



## **Iris um Oifig Maoine Intleachtúla na hÉireann** **Journal of the Intellectual Property Office of Ireland**

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**Cill Chainnigh 30 September 2020**

**Uimh. 2421**

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**Journal of the Intellectual Property Office of Ireland**

**Cuid I**

**Paitinní agus Dearachtaí**

**No. 2421**

**Wednesday, 30 September, 2020**

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## Applications for Patents

### From 31/08/2020 to 10/09/2020

The names of applicants are in alphabetical order. In the case of joint applicants, each name is given independently. The title of the invention should not be regarded as an exhaustive indication of the subject-matter. The date immediately following the title is that on which the application was filed; in the case of a divisional application, the filing date of the earlier application is added within parentheses. In the case of a Convention application the Convention country and priority date(s) claimed are given in square brackets and where an application claimed the priority of an earlier application filed at the office, this information is given within the square brackets. The number is that of the application and should be used for correspondence purposes up to the date of grant of a patent. The letter S preceding the number indicates that the application is for a short-term patent. A new number will be given when a patent is granted and this new number should be quoted in all correspondence subsequent to grant.

|                                                                                                                                                                                                                |                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| ANHUI SCIENCE AND TECHNOLOGY UNIVERSITY; HEFEI UNIVERSITY OF TECHNOLOGY System and Method for Diagnosing State Fault of Desulfurization and Denitration Circulating Pump 01 September 2020 [China-23 May 2020] | <b>S20200193</b> |
| DOWNEY PATRICK; O'REILLY PAUL; FOY MICHAEL "A power tool apparatus and a brace device for a power tool" 04 September 2020                                                                                      | <b>S20200199</b> |
| DUNNE JOHN A refuse receptacle 01 September 2020                                                                                                                                                               | <b>S20200194</b> |
| FAHY EAMONN A handbrake monitoring apparatus for monitoring a handbrake operating system for a motor vehicle. 02 September 2020                                                                                | <b>S20200201</b> |
| FARRELL STEPHEN; FLEMING ANTHONY; MEEHAN BARRY; KELLY SEAN A bracket for mounting a screen or multiple screens on a handlebar 08 September 2020                                                                | <b>S20200202</b> |
| FLEMING ANTHONY; FARRELL STEPHEN; MEEHAN BARRY; KELLY SEAN A bracket for mounting a screen or multiple screens on a handlebar 08 September 2020                                                                | <b>S20200202</b> |
| FOY MICHAEL; O'REILLY PAUL; DOWNEY PATRICK "A power tool apparatus and a brace device for a power tool" 04 September 2020                                                                                      | <b>S20200199</b> |
| GORMAN NICHOLAS A computer-implemented method of assessing & communicating travel risk. 31 August 2020                                                                                                         | <b>20200196</b>  |
| INTUMESCENT SYSTEMS LTD A Ceiling Unit for Pipework 10 September 2020 [United Kingdom-13 September 2019]                                                                                                       | <b>20200203</b>  |

KELLY SEAN; FARRELL STEPHEN; FLEMING ANTHONY; MEEHAN BARRY **S20200202**

A bracket for mounting a screen or multiple screens on a handlebar 08 September 2020

MEEHAN BARRY; FARRELL STEPHEN; FLEMING ANTHONY; KELLY SEAN **S20200202**

A bracket for mounting a screen or multiple screens on a handlebar 08 September 2020

O'REILLY PAUL; FOY MICHAEL; DOWNEY PATRICK "A power tool apparatus **S20200199**

and a brace device for a power tool" 04 September 2020

STAMFORD DEVICES LIMITED HIGH FLOW THERAPY APPARATUS AND **20200195**

METHODS 02 September 2020

SYSTEMING CZ, S.R.O. Equipment for pre-heating engines employed in stationary **S20200200**

standby power supplies 04 September 2020 [Czech Republic-11 September 2019]

TROY CORMAC EDWARD JOHN CHAINSAW SHARPENING APPARATUS 04 **20200198**

September 2020

UBE EXSYMO CO., LTD. HYDROPHILIC PARTICLE MANUFACTURING **20200197**

METHOD AND HYDROPHILIC PARTICLE 03 September 2020

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## Applications Published Under Section 28

The following applications become open to public inspection as from the date of this issue of the journal. The date given is the date of filing of the application or the earliest priority claimed.

|             |                  |                                                                                                                                                                                         |
|-------------|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>2018</b> | <b>S20180532</b> | CHENGDU WEI EN SI TECHNOLOGY CO., LTD, Low temperature plasticizer dioctyl sebacate production plant. 23 November 2018. Int. Cl. (2020.01) <b>C07C 67/00; C07C 69/00.</b>               |
|             | <b>S20180533</b> | CHENGDU WEI EN SI TECHNOLOGY CO., LTD, Phenyl alkyl sulfonate production plant. 23 November 2018. Int. Cl. (2020.01) <b>C07C 303/00; C07C 309/00.</b>                                   |
|             | <b>S20180534</b> | CHENGDU WEI EN SI TECHNOLOGY CO., LTD, Epoxy soybean octyl oleate production plant. 23 November 2018. Int. Cl. (2020.01) <b>B01J 14/00; B01J 19/18; C11B 3/00; C11C 3/00.</b>           |
|             | <b>S20180535</b> | CHENGDU WEI EN SI TECHNOLOGY CO., LTD, Antioxidant 2,6-di-tert-butyl-4-methylphenol production plant. 23 November 2018. Int. Cl. (2020.01) <b>C07C 37/00; C07C 39/00.</b>               |
|             | <b>S20180536</b> | CHENGDU WEI EN SI TECHNOLOGY CO., LTD, Hindered phenolic antioxidant 1010 production plant. 23 November 2018. Int. Cl. (2020.01) <b>C07C 67/00; C07C 69/00.</b>                         |
|             | <b>S20180537</b> | CHENGDU WEI EN SI TECHNOLOGY CO., LTD, Polyvinyl alcohol antioxidant 1076 production plant. 23 November 2018. Int. Cl. (2020.01) <b>C07C 37/00; C07C 39/00; C07C 67/00; C07C 69/00.</b> |
|             | <b>S20180538</b> | CHENGDU WEI EN SI TECHNOLOGY CO., LTD, Lauryl thiodipropionate production plant. 23 November 2018. Int. Cl. (2020.01) <b>C07C 319/00; C07C 323/00.</b>                                  |
|             | <b>S20180539</b> | CHENGDU WEI EN SI TECHNOLOGY CO., LTD, PVC stabilizer calcium stearate production plant. 23 November 2018. Int. Cl. (2020.01) <b>B01J 19/18; C07C 51/41; C07C 53/00.</b>                |
|             | <b>S20180540</b> | CHENGDU WEI EN SI TECHNOLOGY CO., LTD, PVC stabilizer dibutyltin dilaurate production plant. 23 November 2018. Int. Cl. (2020.01) <b>C07F 7/00.</b>                                     |
|             | <b>S20180541</b> | CHENGDU WEI EN SI TECHNOLOGY CO., LTD, UV absorber uv-327 production plant. 23 November 2018. Int. Cl. (2020.01) <b>C07D 249/00.</b>                                                    |
|             | <b>S20180542</b> | CHENGDU WEI EN SI TECHNOLOGY CO., LTD, Polypropylene UV absorber UV - 328 production plant. 23 November 2018. Int. Cl. (2020.01) <b>C07D 249/00.</b>                                    |

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- S20180543** CHENGDU WEI EN SI TECHNOLOGY CO., LTD, 2-hydroxy-4-octoxybenzophenone production plant. 23 November 2018. Int. Cl. (2020.01) **C07C 17/00; C07C 25/00; C07C 45/00; C07C 49/00.**
- S20180544** CHENGDU WEI EN SI TECHNOLOGY CO., LTD, Polyolefin chelating stabilizer 1084 production plant. 23 November 2018. Int. Cl. (2020.01) **C07C 15/00.**
- S20180545** CHENGDU WEI EN SI TECHNOLOGY CO., LTD, Vulcanization accelerator 2-mercaptobenzothiazole zinc salt production plant. 23 November 2018. Int. Cl. (2020.01) **C07D 277/00.**
- S20180546** CHENGDU WEI EN SI TECHNOLOGY CO., LTD, Synthetic rubber accelerator diphenyl guanidine production plant. 23 November 2018. Int. Cl. (2020.01) **C07C 277/00; C07C 279/00.**
- S20180547** CHENGDU WEI EN SI TECHNOLOGY CO., LTD, Antioxidant dibenzothiazyl disulfide production plant. 23 November 2018. Int. Cl. (2020.01) **C07D 277/00.**
- S20180548** CHENGDU WEI EN SI TECHNOLOGY CO., LTD, Vulcanizing agent dithiodimorphine production plant. 23 November 2018. Int. Cl. (2020.01) **C07D 295/00.**
- S20180549** CHENGDU MI ER DUN TECHNOLOGY CO., LTD, Pharmaceutical intermediate high purity nitric acid production plant. 23 November 2018. Int. Cl. (2020.01) **C01B 21/00.**
- S20180550** CHENGDU MI ER DUN TECHNOLOGY CO., LTD, Thiourea dioxide synthesis intermediate high purity hydrogen peroxide production plant. 23 November 2018. Int. Cl. (2020.01) **B01J 19/18; B01J 7/00; C01B 15/00.**
- S20180551** CHENGDU MI ER DUN TECHNOLOGY CO., LTD, Pencillin extractant high purity chloroform production plant. 23 November 2018. Int. Cl. (2020.01) **B01J 19/00; C07C 17/00; C07C 19/00.**
- S20180552** CHENGDU MI ER DUN TECHNOLOGY CO., LTD, Pharmaceutical intermediate high purity anhydrous ethanol production plant. 23 November 2018. Int. Cl. (2020.01) **C07C 29/00; C07C 31/00.**
- S20180553** CHENGDU MI ER DUN TECHNOLOGY CO., LTD, Aspirin drug intermediate high purity acetic acid production plant. 23 November 2018. Int. Cl. (2020.01) **C07C 51/42; C07C 53/00.**
- S20180554** CHENGDU MI ER DUN TECHNOLOGY CO., LTD, Vitamin C drug synthesis intermediate high purity acetone production plant. 23 November 2018. Int. Cl. (2020.01) **B01J 20/00; C07C 45/00; C07C 49/00.**
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- S20180555** CHENGDU MI ER DUN TECHNOLOGY CO., LTD, Circuit board photocuring solder mask production plant. 23 November 2018. Int. Cl. (2020.01) **C08G 59/00; C09D 163/10.**
- S20180556** CHENGDU MI ER DUN TECHNOLOGY CO., LTD, 4-n-butoxybenzylidene-4'-octyloxyaniline production plant. 23 November 2018. Int. Cl. (2020.01) **B01J 21/00; C07C 239/00.**
- S20180557** CHENGDU MI ER DUN TECHNOLOGY CO., LTD, Spinel crystal  $\gamma$ -Fe<sub>2</sub>O<sub>3</sub> production plant. 23 November 2018. Int. Cl. (2020.01) **B01J 19/00; C01G 49/00.**
- S20180558** CHENGDU MI ER DUN TECHNOLOGY CO., LTD, Cobalt ferrite Co-Fe<sub>3</sub>O<sub>4</sub> magnetic powder production plant. 23 November 2018. Int. Cl. (2020.01) **C01G 49/02; C01G 49/00; C01G 51/00.**
- S20180559** CHENGDU MI ER DUN TECHNOLOGY CO., LTD, Non-divided  $\gamma$ -Fe<sub>2</sub>O<sub>3</sub> magnetic powder production plant. 23 November 2018. Int. Cl. (2020.01) **C01G 49/02.**
- S20180560** CHENGDU MI ER DUN TECHNOLOGY CO., LTD, Barium ferrite magnetic powder production plant. 23 November 2018. Int. Cl. (2020.01) **B01J 19/18; C01F 1/00; H01F 1/00; H01F 41/02.**
- S20180561** CHENGDU MI ER DUN TECHNOLOGY CO., LTD, Co-ti barium ferrite magnetic powder production plant. 23 November 2018. Int. Cl. (2020.01) **B01J 19/18; C01G 5/00; C04B 35/00; H01F 1/00; H01F 41/02.**
- S20180562** CHENGDU MI ER DUN TECHNOLOGY CO., LTD, Chromium oxide magnetic powder production plant. 23 November 2018. Int. Cl. (2020.01) **C01G 37/00; H01F 41/00.**
- S20180563** CHENGDU MI ER DUN TECHNOLOGY CO., LTD, Acicular ferroferric oxide magnetic powder production plant. 23 November 2018. Int. Cl. (2020.01) **B01J 19/18; C01G 49/00.**
- S20180580** CHENGDU HUI SI DUN TECHNOLOGY CO., LTD, Oil-based drilling fluid emulsifier octadecanoic acid production plant. 11 December 2018. Int. Cl. (2020.01) **B01J 8/00; C07C 27/00; C07C 51/00; C07C 53/00; C11C 1/00.**
- S20180581** CHENGDU HUI SI DUN TECHNOLOGY CO., LTD, RI-01 crude oil demulsifier production plant. 11 December 2018. Int. Cl. (2020.01) **B01J 19/18; C10G 33/00.**
- S20180582** CHENGDU PA LUO AO TECHNOLOGY CO., LTD., Cationic softener ES production plant. 13 December 2018. Int. Cl. (2020.01) **B01J 19/18; C07D 301/00; C07D 303/00; D06M 13/00.**
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- S20180583** CHENGDU HUI SI DUN TECHNOLOGY CO., LTD, Extractant 2-methyl-2-methoxypropane production plant. 11 December 2018. Int. Cl. (2020.01) **C07C 41/00; C07C 43/00.**
- S20180584** CHENGDU HUI SI DUN TECHNOLOGY CO., LTD, Acrylate-maleic anhydride-octadecylamine terpolymer production plant. 11 December 2018. Int. Cl. (2020.01) **B01J 8/00; C08F 2/00; C08F 8/00; C08F 212/00; C08F 222/00.**
- S20180585** CHENGDU PA LUO AO TECHNOLOGY CO., LTD., Acid dye fixing agent Y production plant. 13 December 2018. Int. Cl. (2020.01) **B01J 19/18; C08G 12/00.**
- S20180586** CHENGDU PA LUO AO TECHNOLOGY CO., LTD., Fiber softener octadec-9-enamide production plant. 13 December 2018. Int. Cl. (2020.01) **C07C 231/00; C07C 233/00.**
- S20180587** CHENGDU PA LUO AO TECHNOLOGY CO., LTD., 2-hydroxy-4-methoxybenzophenone production plant. 13 December 2018. Int. Cl. (2020.01) **C07C 45/00; C07C 49/00.**
- S20180588** CHENGDU HUI SI DUN TECHNOLOGY CO., LTD, Polyvinylpyrrolidone production plant. 11 December 2018. Int. Cl. (2020.01) **C08F 126/00.**
- S20180589** CHENGDU PA LUO AO TECHNOLOGY CO., LTD., N, N'-nickel di-n-butylidithiocarbamate production plant. 13 December 2018. Int. Cl. (2020.01) **C07F 15/00.**
- S20180590** CHENGDU HUI SI DUN TECHNOLOGY CO., LTD, Low-base calcium petroleum sulfonate production plant. 11 December 2018. Int. Cl. (2020.01) **C07C 303/00; C07C 309/00.**
- S20180591** CHENGDU PA LUO AO TECHNOLOGY CO., LTD., Alkyl phosphate diethanolamine production plant. 13 December 2018. Int. Cl. (2020.01) **C07F 9/00.**
- S20180592** CHENGDU HUI SI DUN TECHNOLOGY CO., LTD, Plasticizer ethylene glycol methyl ether production plant. 11 December 2018. Int. Cl. (2020.01) **C07C 41/00; C07C 43/00.**
- S20180593** CHENGDU KAI EN DI TECHNOLOGY CO., LTD., Antioxidant n-phenyl-1-naphthylamine production plant. 13 December 2018. Int. Cl. (2020.01) **B01J 19/00; B01J 19/18; C07C 209/00; C07C 211/00.**
- S20180594** CHENGDU HUI SI DUN TECHNOLOGY CO., LTD, Acrylate and ether copolymer production plant. 11 December 2018. Int. Cl. (2020.01) **B01J 19/18; C08F 2/00; C08F 216/00; C08F 220/00.**
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- S20180595** CHENGDU HUI SI DUN TECHNOLOGY CO., LTD, N, N'-salicyl-1, 2-propionamide production plant. 11 December 2018. Int. Cl. (2020.01) **C07C 231/00; C07C 235/00.**
- S20180596** CHENGDU PA LUO AO TECHNOLOGY CO., LTD., Dimethylol dihydroxy ethylene urea resin production plant. 13 December 2018. Int. Cl. (2020.01) **C08G 12/00; D06M 15/00; D21H 17/00.**
- S20180597** CHENGDU HUI SI DUN TECHNOLOGY CO., LTD, Barium petroleum sulfonate production plant. 11 December 2018. Int. Cl. (2020.01) **C10M 135/00.**
- S20180598** CHENGDU HUI SI DUN TECHNOLOGY CO., LTD, Biological enzyme desizing additive JFC production plant. 11 December 2018. Int. Cl. (2020.01) **B01J 19/00.**
- S20180599** CHENGDU KAI EN DI TECHNOLOGY CO., LTD., Anti-ozone stabilizer phenylethyl naphthylamine production plant. 13 December 2018. Int. Cl. (2020.01) **B01J 19/00; C07C 209/00.**
- S20180600** CHENGDU PA LUO AO TECHNOLOGY CO., LTD., Waterproofing agent stearyl chromium chloride production plant. 13 December 2018. Int. Cl. (2020.01) **D06M 11/00.**
- S20180601** CHENGDU HUI SI DUN TECHNOLOGY CO., LTD, High temperature dye dispersant S production plant. 11 December 2018. Int. Cl. (2020.01) **C09B 67/00; B01J 19/00.**
- S20180602** CHENGDU HUI SI DUN TECHNOLOGY CO., LTD, Fiber dye dispersant BZS production plant. 11 December 2018. Int. Cl. (2020.01) **C07C 231/00; C07C 233/00.**
- S20180603** CHENGDU PA LUO AO TECHNOLOGY CO., LTD., N-dodecylbenzenesulfonic acid production plant. 13 December 2018. Int. Cl. (2020.01) **C07C 303/00; C07C 309/00.**
- S20180604** CHENGDU HUI SI DUN TECHNOLOGY CO., LTD, Dye dispersant sodium cellulose sulfate production plant. 28 December 2017. Int. Cl. (2020.01) **C08B 31/00.**
- S20180605** CHENGDU KAI EN DI TECHNOLOGY CO., LTD., N-cyclohexy-n'-phenyl-p-phenylenediamine production plant. 13 December 2018. Int. Cl. (2020.01) **B01J 19/00; C07C 209/00; C07C 211/00.**
- S20180606** CHENGDU HUI SI DUN TECHNOLOGY CO., LTD, Cationic dye sulfated bisethanol production plant. 11 December 2018. Int. Cl. (2020.01) **C07C 319/00; C07C 323/00.**
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- S20180607** CHENGDU HUI SI DUN TECHNOLOGY CO., LTD, Fluorescent brightener VBL production plant. 11 December 2018. Int. Cl. (2020.01) **B01J 19/18; C09B 23/00; D06L 4/00.**
- S20180608** CHENGDU PA LUO AO TECHNOLOGY CO., LTD., Heat-resistant resin antistatic agent sodium secondary alkyl sulfonate production plant. 13 December 2018. Int. Cl. (2020.01) **C07C 303/00; C07C 309/00.**
- S20180609** CHENGDU PA LUO AO TECHNOLOGY CO., LTD., Antioxidant sodium sulfite production plant. 13 December 2018. Int. Cl. (2020.01) **B01J 19/18; C01B 17/00.**
- S20180610** CHENGDU PA LUO AO TECHNOLOGY CO., LTD., Sulfonating agent sulfamic acid production plant. 13 December 2018. Int. Cl. (2020.01) **B01J 19/18; C01B 21/00.**
- S20180611** CHENGDU PA LUO AO TECHNOLOGY CO., LTD., Desulfurizer anthraquinone disulfonate intermediate anthraquinone production plant. 13 December 2018. Int. Cl. (2020.01) **C07C 46/00; C07C 50/00.**
- S20180612** CHENGDU PA LUO AO TECHNOLOGY CO., LTD., Modified polyamide-polyamine production plant. 13 December 2018. Int. Cl. (2020.01) **B01J 8/00; C08G 69/00; D21H 21/00.**
- S20180613** CHENGDU PA LUO AO TECHNOLOGY CO., LTD., Strengthen rosin sizing agent production plant. 13 December 2018. Int. Cl. (2020.01) **B01J 19/18; B01J 8/00; C08F 2/00; C08F 222/00.**
- S20180614** CHENGDU KAI EN DI TECHNOLOGY CO., LTD., N-(1-methylisopentyl)-N'-phenyl-p-phenylenediamine production plant. 13 December 2018. Int. Cl. (2020.01) **B01J 19/24; C07C 209/00; C07C 211/00.**
- S20180615** CHENGDU PA LUO AO TECHNOLOGY CO., LTD., Alkyl ketene dimer production plant. 13 December 2018. Int. Cl. (2020.01) **C07D 305/00.**
- S20180616** CHENGDU PA LUO AO TECHNOLOGY CO., LTD., Surface sizing agent oxidized starch production plant. 13 December 2018. Int. Cl. (2020.01) **C08B 31/00.**
- S20180617** CHENGDU KAI EN DI TECHNOLOGY CO., LTD., Anilino methyl triethoxy silane production plant. 13 December 2018. Int. Cl. (2020.01) **B01J 19/12; C07F 7/00.**
- S20180618** CHENGDU KAI EN DI TECHNOLOGY CO., LTD., Vinyl tris (β-methoxyethoxy) silane production plant. 13 December 2018. Int. Cl. (2020.01) **C07F 7/00.**
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- S20180619** CHENGDU KAI EN DI TECHNOLOGY CO., LTD., Isopropyl trioleoyl oxy titanate production plant. 13 December 2018. Int. Cl. (2020.01) **B01J 19/24; C07F 7/00.**
- S20180620** CHENGDU KAI EN DI TECHNOLOGY CO., LTD., Dispersant sodium carboxymethyl starch production plant. 13 December 2018. Int. Cl. (2020.01) **C08B 31/00.**
- S20180621** CHENGDU KAI EN DI TECHNOLOGY CO., LTD., Dispersant sodium polyacrylate production plant. 13 December 2018. Int. Cl. (2020.01) **B01J 19/00; C08F 120/00; C08F 2/00; C08F 6/00.**
- S20180622** CHENGDU KE BO TE TECHNOLOGY CO., LTD., Acrylic spinning oil fatty acid polyoxyethylene ester production plant. 31 December 2018. Int. Cl. (2020.01) **B01J 19/18; C08G 65/00.**
- S20180623** CHENGDU KAI EN DI TECHNOLOGY CO., LTD., Viscosity reducer sodium humate production plant. 13 December 2018. Int. Cl. (2020.01) **B01J 8/08; C08H 99/00; C09K 8/00.**
- S20180624** CHENGDU KE BO TE TECHNOLOGY CO., LTD., Acrylic fiber brightener PEB production plant. 31 December 2018. Int. Cl. (2020.01) **B01J 19/18; C07D 311/00.**
- S20180625** CHENGDU KE BO TE TECHNOLOGY CO., LTD., 1,2-benzisothiazolin-3-one production plant. 31 December 2018. Int. Cl. (2020.01) **B01J 19/24; C07D 275/00.**
- S20180626** CHENGDU KE BO TE TECHNOLOGY CO., LTD., Pharmaceutical intermediate sodium caseinate production plant. 31 December 2018. Int. Cl. (2020.01) **C07K 1/00; C07K 14/00.**
- S20180627** CHENGDU KE BO TE TECHNOLOGY CO., LTD., Butadiene-styrene copolymer production plant. 31 December 2018. Int. Cl. (2020.01) **B01J 19/18; C08F 2/00; C08F 212/00; C08F 236/00; D21H 19/00.**
- S20180628** CHENGDU KAI EN DI TECHNOLOGY CO., LTD., Tackifier carboxymethyl cellulose production plant. 13 December 2018. Int. Cl. (2020.01) **C08B 11/00; C08B 17/00.**
- S20180629** CHENGDU KE BO TE TECHNOLOGY CO., LTD., Nano zirconium dioxide production plant. 31 December 2018. Int. Cl. (2020.01) **B82Y 40/00; C01G 25/00.**
- S20180630** CHENGDU KE BO TE TECHNOLOGY CO., LTD., Nano silica production plant. 31 December 2018. Int. Cl. (2020.01) **B82Y 30/00; B82Y 40/00; C01B 33/00.**
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- S20180631** CHENGDU KE BO TE TECHNOLOGY CO., LTD., Antibacterial coating additive nano titanium dioxide production plant. 31 December 2018. Int. Cl. (2020.01) **B01J 8/00; B82Y 40/00; C01G 23/00; C09D 5/00.**
- S20180632** CHENGDU KAI EN DI TECHNOLOGY CO., LTD., 2-hydroxy-3-sulfopropyl propyl starch ether production plant. 13 December 2018. Int. Cl. (2020.01) **B01J 19/00; B01J 19/18; C08B 31/00.**
- S20180633** CHENGDU KE BO TE TECHNOLOGY CO., LTD., Magnetic drug carrier nano iron oxide production plant. 31 December 2018. Int. Cl. (2020.01) **A61K 47/02; C01G 49/00.**
- S20180634** CHENGDU KAI EN DI TECHNOLOGY CO., LTD., Flocculant polyacrylamide gel production plant. 13 December 2018. Int. Cl. (2020.01) **C02F 1/52; C07C 231/00; C07C 233/00.**
- S20180635** CHENGDU KE BO TE TECHNOLOGY CO., LTD., Vulcanization active agent nano zinc oxide production plant. 31 December 2018. Int. Cl. (2020.01) **B01J 19/18; B01J 6/00; B82Y 30/00; B82Y 40/00; C01G 9/00.**
- S20180636** CHENGDU KAI EN DI TECHNOLOGY CO., LTD., Sulfomethylated polyacrylamide production plant. 13 December 2018. Int. Cl. (2020.01) **B01J 19/18; B01J 8/00; C08F 120/00; C08F 2/00.**
- S20180637** CHENGDU KE BO TE TECHNOLOGY CO., LTD., Far-infrared emitting material nano alumina production plant. 31 December 2018. Int. Cl. (2020.01) **B82Y 30/00; C01F 7/00.**
- S20180638** CHENGDU KAI EN DI TECHNOLOGY CO., LTD., CT1-6 acid gelling agent production plant. 13 December 2018. Int. Cl. (2020.01) **B01J 8/08; C09K 8/00.**
- S20180639** CHENGDU KE BO TE TECHNOLOGY CO., LTD., Pharmaceutical ultrafine barium sulfate production plant. 31 December 2018. Int. Cl. (2020.01) **C01F 11/00.**
- S20180640** CHENGDU KE BO TE TECHNOLOGY CO., LTD., Polarization apparatus material yttrium vanadate crystal production plant. 31 December 2018. Int. Cl. (2020.01) **B01J 19/02; C01F 17/00; C30B 17/00.**
- S20180641** CHENGDU KE BO TE TECHNOLOGY CO., LTD., Dispersant ammonium dihydrogen phosphate crystal production plant. 31 December 2018. Int. Cl. (2020.01) **C01B 25/00.**
- S20180642** CHENGDU KE BO TE TECHNOLOGY CO., LTD., Catalyst matrix material aluminum borate whisker production plant. 31 December 2018. Int. Cl. (2020.01) **B01J 19/00; B01J 21/00.**
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## Patents Granted Under Section 34

The number of a patent is given in heavy type; the letter S preceding the number indicates a short-term patent. The code numbers following the title of each invention are those of the International Patent Classification. The date of filing the application follows the proprietor's name. The patent application number, which follows the date of application in parenthesis, has been superseded by the patent number. In the case of an application claiming the priority of an earlier application, the name of the country where the earlier application was made and the date of the earlier application are shown in square brackets.

By virtue of Section 65(3), the application relating to any short-term patent appearing in the following list whose date of filing is later than the date which is 18 months prior to the date of this issue of the Journal becomes open to public inspection as and from the date of this issue of the Journal.

- S87157** A baby changing bag with specific design for air travel.. Int. Cl. (2020.01) **A45C 3/00; A45C 7/00; A45C 9/00; A47D 5/00**. Conor Breen 17 February 2016 (S20160057)
- S87158** A bib system. Int. Cl. (2020.01) **A41B 13/00**. BERNADETTE MCTIERNAN 28 March 2019 (S20190051)
- S87159** Shoe fitting aid. Int. Cl. (2020.01) **A47G 25/00; A43C 11/00; A43B 11/00**. DESMOND MERNAGH 15 May 2019 (S20190075) [United Kingdom-15 May 2018]
- 87160** A power converter. Int. Cl. (2020.01) **H02M 7/02**. COMMERGY TECHNOLOGIES LIMITED 10 October 2006 (20060743) [Ireland-10 October 2005 Ireland-10 March 2006]
- S87161** Prefabricated house. Int. Cl. (2020.01) **E04B 1/00; E04G 21/00**. MHI MODERN HOMES IRELAND UNLIMITED COMPANY 21 December 2018 (S20180575)
- 87162** A recirculating recycling system. Int. Cl. (2020.01) **B09B 3/00**. BARNA RECYCLING 05 February 2019 (20190017)
- S87163** Drill bit assembly for percussion drill tools. Int. Cl. (2020.01) **E21B 10/00; E21B 4/00**. MINCON INTERNATIONAL LIMITED 20 June 2019 (S20190096) [Ireland-22 November 2018]
- 87164** Fire protective sleeve. Int. Cl. (2020.01) **A62C 2/00; H02G 3/00**. INTUMESCENT SYSTEMS LTD 17 December 2015 (20150434) [United Kingdom-19 December 2014]

## Patents Granted Under European Patent Convention Designating Ireland

The Irish serial number appears first followed, respectively, by the proprietor's name, the date of filing of the application, the filing number and the European Patent Office publication number.

If the specification of the European patent was published in French or German the word 'French' or 'German', as appropriate, will appear as the last item of information.

### Grants Published in EPO Bulletin No. 36/20, dated 02<sup>nd</sup> September 2020

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| 1448957 | EMERSON ELECTRIC CO.                                                                                       | 19/11/2002 | 1448957 | 02803990.7 |        |
| 1545464 | The Regents of the University of California                                                                | 14/07/2003 | 1545464 | 03766862.1 |        |
| 1621900 | Teledyne Instruments, Inc.                                                                                 | 22/07/2005 | 1621900 | 05254576.1 |        |
| 1645095 | Panasonic Corporation                                                                                      | 02/07/2004 | 1645095 | 04747222.0 |        |
| 1684899 | Advanced Refining Technologies, LLC                                                                        | 18/11/2004 | 1684899 | 04811291.6 |        |
| 1763326 | J.W. Medical Systems Ltd.                                                                                  | 21/06/2005 | 1763326 | 05762885.1 |        |
| 1771718 | HORIBA ABX SAS                                                                                             | 06/07/2005 | 1771718 | 05788740.8 | French |
| 1779221 | ORANGE                                                                                                     | 25/07/2005 | 1779221 | 05780628.3 |        |
| 1870999 | Vitesco Technologies GmbH                                                                                  | 31/05/2007 | 1870999 | 07109295.1 | German |
| 1874358 | IBC Pharmaceuticals, Inc.                                                                                  | 29/03/2006 | 1874358 | 06758249.4 |        |
| 1877215 | Brinkman Products, Inc.                                                                                    | 20/04/2006 | 1877215 | 06751133.7 |        |
| 1901003 | MARTIN GmbH für Umwelt- und Energietechnik                                                                 | 05/07/2007 | 1901003 | 07013195.8 | German |
| 1904085 | Rosalind Franklin University of Medicine and Science                                                       | 30/06/2006 | 1904085 | 06786414.0 |        |
| 1905195 | ASSIA SPE, LLC                                                                                             | 08/07/2006 | 1905195 | 06786826.5 |        |
| 1911083 | Micron Technology, Inc.                                                                                    | 10/07/2006 | 1911083 | 06786744.0 |        |
| 1934643 | Corning Optical Communications LLC                                                                         | 13/09/2006 | 1934643 | 06803554.2 |        |
| 1957588 | Knauf Gips KG                                                                                              | 14/10/2006 | 1957588 | 06826018.1 |        |
| 1967868 | Universidad de Valencia<br>Consejo Superior de Investigaciones Científicas (CSIC)<br>Bruker Switzerland AG | 22/12/2006 | 1967868 | 06841806.0 |        |
| 1968926 | Symrise AG                                                                                                 | 21/11/2006 | 1968926 | 06830049.0 |        |
| 1971759 | DGT IP Holdings Pty Ltd                                                                                    | 28/11/2007 | 1971759 | 07815630.4 |        |
| 1984763 | DSM IP Assets B.V.                                                                                         | 12/02/2007 | 1984763 | 07703411.4 |        |

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| 2002420 | Nordson Corporation                                      | 26/01/2007 | 2002420 | 07717449.8 |        |
| 2024121 | Purdue Research Foundation                               | 11/01/2007 | 2024121 | 07748883.1 |        |
| 2026867 | Globus Medical, Inc.                                     | 12/06/2007 | 2026867 | 07798401.1 |        |
| 2031930 | QUALCOMM Incorporated                                    | 07/02/2001 | 2031930 | 08166976.4 |        |
| 2035079 | Second Sight Medical Products, Inc.                      | 19/06/2007 | 2035079 | 07845182.0 |        |
| 2049187 | W.L. Gore & Associates, Inc.                             | 27/07/2007 | 2049187 | 07836309.0 |        |
| 2076870 | D4D Technologies LLC.                                    | 25/10/2007 | 2076870 | 07854401.2 |        |
| 2094141 | Lüdi, Raymond                                            | 01/12/2006 | 2094141 | 06817732.8 | German |
| 2102566 | Ti Automotive Cisliano S.r.l.                            | 07/01/2008 | 2102566 | 08702213.3 |        |
| 2106215 | PURATOS N.V.                                             | 16/01/2008 | 2106215 | 08701534.3 |        |
| 2109790 | Furukawa Electric North America Inc.                     | 05/02/2008 | 2109790 | 08729045.8 |        |
| 2110616 | Electricité de France                                    | 10/04/2009 | 2110616 | 09157804.7 | French |
| 2128542 | Daikin Industries, Ltd.                                  | 23/01/2008 | 2128542 | 08703733.9 |        |
| 2134809 | CHEIL INDUSTRIES INC.                                    | 14/04/2008 | 2134809 | 08741343.1 |        |
| 2139599 | Bruker Daltonik GmbH                                     | 11/07/2007 | 2139599 | 07872245.1 |        |
| 2141043 | TOYOTA JIDOSHA KABUSHIKI<br>KAISHA                       | 27/03/2008 | 2141043 | 08739761.8 |        |
| 2146258 | Garrett Transportation I Inc.                            | 02/07/2009 | 2146258 | 09164481.5 |        |
| 2163008 | Samsung Electronics Co., Ltd.                            | 04/07/2008 | 2163008 | 08766669.9 |        |
| 2167447 | Vista Outdoor Operations LLC                             | 26/06/2008 | 2167447 | 08771985.2 |        |
| 2171375 | Schneider Electric IT Corporation                        | 08/07/2008 | 2171375 | 08781500.7 |        |
| 2176188 | Corning Incorporated                                     | 22/07/2008 | 2176188 | 08794682.8 |        |
| 2176304 | BUCKMAN LABORATORIES<br>INTERNATIONAL, INC.              | 13/06/2008 | 2176304 | 08770977.0 |        |
| 2182778 | SITECO GmbH                                              | 29/10/2009 | 2182778 | 09013615.1 | German |
| 2190111 | Valeo Equipements Electriques Moteur                     | 15/10/2009 | 2190111 | 09173091.1 | French |
| 2199641 | Hamilton Sundstrand Corporation                          | 18/12/2009 | 2199641 | 09252826.4 |        |
| 2208188 | Caterpillar, Inc.                                        | 31/10/2008 | 2208188 | 08845960.7 |        |
| 2208250 | CP SOFC IP, LLC                                          | 18/07/2008 | 2208250 | 08794567.1 |        |
| 2210059 | Centre National d'Etudes Spatiales                       | 17/10/2008 | 2210059 | 08839826.8 | French |
| 2212721 | Baker Hughes Holdings LLC                                | 05/11/2008 | 2212721 | 08865858.8 |        |
| 2213966 | BLANCO Professional GmbH + Co<br>KG                      | 05/01/2010 | 2213966 | 10150126.0 | German |
| 2218103 | Oracle America, Inc.                                     | 11/09/2008 | 2218103 | 08835081.4 |        |
| 2226078 | Serrix BV                                                | 04/03/2010 | 2226078 | 10155558.9 |        |
| 2228914 | Electronics and Telecommunications<br>Research Institute | 11/03/2010 | 2228914 | 10156178.5 |        |

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| 2242905 | BITZER Kühlmaschinenbau GmbH                            | 15/01/2009 | 2242905 | 09701761.0 |        |
| 2243549 | Lucite International UK Limited                         | 17/02/2005 | 2243549 | 10172698.2 |        |
| 2253074 | Samsung Electronics Co., Ltd.                           | 10/03/2009 | 2253074 | 09720362.4 |        |
| 2260586 | Microsoft Technology Licensing, LLC                     | 24/03/2009 | 2260586 | 09724532.8 |        |
| 2269044 | Kromek Limited                                          | 24/03/2009 | 2269044 | 09734570.6 |        |
| 2272538 | SBI Pharmaceuticals Co., Ltd.                           | 21/04/2009 | 2272538 | 09735225.6 |        |
|         | Kochi University                                        |            |         |            |        |
| 2273941 | Moximed, Inc.                                           | 30/04/2009 | 2273941 | 09739249.2 |        |
| 2274588 | Inficon AB                                              | 05/05/2008 | 2274588 | 08767118.6 |        |
| 2278214 | LG Innotek Co., Ltd.                                    | 12/07/2010 | 2278214 | 10169314.1 |        |
| 2281845 | Kyowa Kirin Co., Ltd.                                   | 27/04/2009 | 2281845 | 09734826.2 |        |
| 2282063 | Valeo Systèmes Thermiques                               | 25/06/2010 | 2282063 | 10167380.4 | French |
| 2282402 | JTEKT Corporation                                       | 21/05/2009 | 2282402 | 09750626.5 |        |
| 2283325 | Siemens Aktiengesellschaft                              | 05/06/2008 | 2283325 | 08773365.5 |        |
| 2287131 | General Electric Company                                | 29/07/2010 | 2287131 | 10171209.9 |        |
| 2287261 | SIGMA COATINGS B.V.                                     | 25/01/2006 | 2287261 | 10181971.2 |        |
| 2288449 | Rhodia Opérations                                       | 08/05/2009 | 2288449 | 09743084.7 |        |
|         | Centre National de la Recherche Scientifique            |            |         |            |        |
| 2294495 | LPSI (Barbados) Limited                                 | 16/05/2008 | 2294495 | 08757100.6 |        |
| 2299894 | Sarcos LC                                               | 18/06/2009 | 2299894 | 09767750.4 |        |
| 2302779 | Daikin Industries, Ltd.                                 | 19/06/2009 | 2302779 | 09773317.4 |        |
| 2306616 | Massachusetts Institute of Technology (MIT)             | 05/07/2006 | 2306616 | 11150603.6 |        |
| 2309458 | Mitsubishi Electric Corporation                         | 14/04/2009 | 2309458 | 09804786.3 |        |
| 2313364 | IDEXX LABORATORIES, INC.                                | 30/07/2009 | 2313364 | 09790996.4 |        |
| 2316059 | Microsoft Technology Licensing, LLC                     | 19/07/2009 | 2316059 | 09807033.7 |        |
| 2316098 | Rosemount Inc.                                          | 13/07/2009 | 2316098 | 09795283.2 |        |
| 2318679 | Safran Aircraft Engines                                 | 15/07/2009 | 2318679 | 09784268.6 | French |
| 2323381 | DISH Technologies L.L.C.                                | 16/11/2009 | 2323381 | 09176142.9 |        |
| 2326757 | INVISTA Textiles (U.K.) Limited                         | 31/07/2009 | 2326757 | 09784848.5 |        |
| 2329873 | Nitto Denko Corporation                                 | 05/03/2010 | 2329873 | 10783188.5 |        |
| 2335097 | Essilor International                                   | 24/07/2009 | 2335097 | 09781070.9 |        |
|         | Centre National de la Recherche Scientifique (C.N.R.S.) |            |         |            |        |
| 2345274 | QUALCOMM Incorporated                                   | 11/09/2009 | 2345274 | 09792481.5 |        |
| 2346518 | Nerium Biotechnology, Inc.                              | 13/10/2009 | 2346518 | 09748575.9 |        |

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| 2350233 | UPM-Kymmene Oyj                             | 30/10/2009 | 2350233 | 09760921.8 |        |
| 2353483 | Wolf PVG GmbH & Co. KG                      | 24/01/2011 | 2353483 | 11151827.0 | German |
| 2353957 | Ford Global Technologies, LLC               | 07/01/2011 | 2353957 | 11150385.0 | German |
| 2354656 | United Technologies Corporation             | 02/02/2011 | 2354656 | 11153111.7 |        |
| 2369942 | Olam International Limited                  | 30/11/2009 | 2369942 | 09829841.7 |        |
| 2377599 | TOYOBO CO., LTD.                            | 24/12/2009 | 2377599 | 09834934.3 |        |
| 2377875 | Morinaga Milk Industry Co., Ltd.            | 18/11/2009 | 2377875 | 09827575.3 |        |
| 2386177 | Samsung Electronics Co., Ltd.               | 05/01/2010 | 2386177 | 10729279.9 |        |
| 2400245 | Miyakoshi Printing Machinery Co., Ltd.      | 22/06/2011 | 2400245 | 11171034.9 |        |
| 2402239 | Fox Factory, Inc.                           | 04/07/2011 | 2402239 | 11172612.1 |        |
| 2402566 | Nuovo Pignone S.p.A.                        | 27/06/2011 | 2402566 | 11171564.5 |        |
| 2404827 | Aerazur                                     | 06/07/2011 | 2404827 | 11172922.4 |        |
| 2407077 | Samsung Electronics Co., Ltd.               | 14/07/2011 | 2407077 | 11173894.4 |        |
| 2407737 | LG Electronics Inc.                         | 12/07/2011 | 2407737 | 11173607.0 |        |
| 2409531 | Samsung Electronics Co., Ltd.               | 17/03/2010 | 2409531 | 10753696.3 |        |
| 2414977 | DanMedical Ltd                              | 26/03/2010 | 2414977 | 10723252.2 |        |
| 2418675 | General Electric Company                    | 28/07/2011 | 2418675 | 11175689.6 |        |
| 2420822 | Université Libre de Bruxelles               | 01/07/2002 | 2420822 | 11172450.6 | French |
| 2426853 | China Iwncomm Co., Ltd                      | 24/12/2009 | 2426853 | 09843915.1 |        |
| 2435337 | Ecolab USA Inc.                             | 12/05/2010 | 2435337 | 10780131.8 |        |
| 2441668 | The Boeing Company                          | 03/10/2011 | 2441668 | 11183672.2 |        |
| 2442735 | Belson, Amir                                | 26/02/2010 | 2442735 | 10746557.7 |        |
|         | Laby, Keith Phillip                         |            |         |            |        |
|         | Leary, James J.                             |            |         |            |        |
| 2448508 | Avivid Water Technology, LLC                | 01/07/2010 | 2448508 | 10794788.9 |        |
| 2449121 | Lanzatech New Zealand Limited               | 02/07/2010 | 2449121 | 10794423.3 |        |
| 2450710 | The Regents of the University of California | 03/07/2007 | 2450710 | 11188923.4 |        |
| 2451903 | thyssenkrupp Industrial Solutions AG        | 07/07/2010 | 2451903 | 10739852.1 | German |
| 2452501 | Samsung Electronics Co., Ltd.               | 12/07/2010 | 2452501 | 10797336.4 |        |
| 2453844 | The Curators Of The University Of Missouri  | 13/07/2010 | 2453844 | 10800427.6 |        |
| 2454540 | LG Electronics Inc.                         | 01/07/2010 | 2454540 | 10799982.3 |        |
| 2456099 | NEC Corporation                             | 21/06/2010 | 2456099 | 10799718.1 |        |
| 2459266 | Cardiosolutions, Inc.                       | 27/07/2010 | 2459266 | 10804952.9 |        |
| 2461445 | ABB Schweiz AG                              | 01/12/2011 | 2461445 | 11191455.2 |        |

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| 2462331 | Gulfstream Aerospace Corporation<br>Pratt & Whitney Canada Corp.                       | 29/07/2010 | 2462331 | 10804822.4 |        |
| 2466167 | Audi AG                                                                                | 18/11/2011 | 2466167 | 11009147.7 | German |
| 2466587 | SEMICONDUCTOR ENERGY<br>LABORATORY CO., LTD.                                           | 16/12/2011 | 2466587 | 11194028.4 |        |
| 2471474 | FlowCardia, Inc.                                                                       | 13/02/2004 | 2471474 | 12151894.8 |        |
| 2474823 | General Electric Company                                                               | 22/12/2011 | 2474823 | 11195288.3 |        |
| 2476950 | LG Innotek Co., Ltd.                                                                   | 10/06/2011 | 2476950 | 11169457.6 |        |
| 2478113 | Caliper Life Sciences, Inc.                                                            | 16/09/2010 | 2478113 | 10817561.3 |        |
| 2481908 | Mitsubishi Jidosha Kogyo Kabushiki<br>Kaisha                                           | 30/01/2012 | 2481908 | 12153108.1 |        |
| 2482580 | Cisco Technology, Inc.                                                                 | 01/02/2008 | 2482580 | 12161245.1 |        |
| 2482747 | Mako Surgical Corp.                                                                    | 29/09/2010 | 2482747 | 10821178.0 |        |
| 2483770 | Microsoft Technology Licensing, LLC                                                    | 15/09/2010 | 2483770 | 10821024.6 |        |
| 2484642 | Nihon Yamamura Glass Co., Ltd.                                                         | 24/09/2010 | 2484642 | 10820436.3 |        |
| 2485099 | Richemont International S.A.                                                           | 01/02/2012 | 2485099 | 12153503.3 |        |
| 2485795 | Edwards Lifesciences Corporation                                                       | 03/12/2010 | 2485795 | 10835174.3 |        |
| 2486770 | Huawei Technologies Co., Ltd.                                                          | 29/09/2010 | 2486770 | 10821590.6 |        |
| 2487020 | Repack-S                                                                               | 09/02/2012 | 2487020 | 12154676.6 | French |
| 2491739 | Samsung Electronics Co., Ltd.<br>Korea Advanced Institute Of Science<br>And Technology | 22/10/2010 | 2491739 | 10825223.0 |        |
| 2494556 | Intel Corporation                                                                      | 24/09/2010 | 2494556 | 10830375.1 |        |
| 2494780 | Vestel Elektronik Sanayi ve Ticaret<br>A.S.                                            | 28/10/2010 | 2494780 | 10778570.1 |        |
| 2494922 | DexCom, Inc.                                                                           | 27/07/2004 | 2494922 | 12170112.2 |        |
| 2495038 | Borealis AG                                                                            | 02/03/2011 | 2495038 | 11001745.6 |        |
| 2495945 | Peixe Software, Sine                                                                   | 27/10/2010 | 2495945 | 10826134.8 |        |
| 2496353 | Mineral Technologies Pty Ltd                                                           | 03/11/2010 | 2496353 | 10827712.0 |        |
| 2496968 | Chevron U.S.A., Inc.                                                                   | 05/11/2010 | 2496968 | 10829200.4 |        |
| 2500003 | Unicharm Corporation                                                                   | 10/11/2010 | 2500003 | 10829943.9 |        |
| 2502104 | Boston Scientific Scimed, Inc.<br>Coherent, Inc.                                       | 16/11/2010 | 2502104 | 10781777.7 |        |
| 2503940 | Cadens Medical Imaging Inc.                                                            | 27/11/2009 | 2503940 | 09851557.0 |        |
| 2506902 | Sanofi-Aventis Deutschland GmbH                                                        | 02/12/2010 | 2506902 | 10795965.2 |        |
| 2507698 | Microsoft Technology Licensing, LLC                                                    | 23/11/2010 | 2507698 | 10834961.4 |        |
| 2513006 | ASK Chemicals LLC                                                                      | 28/10/2010 | 2513006 | 10838066.8 |        |

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| 2514163 | Micron Technology, Inc.                                   | 07/12/2010 | 2514163 | 10798411.4 |        |
| 2515169 | Toppan Printing Co., Ltd.<br>Shin-Etsu Chemical Co., Ltd. | 03/12/2010 | 2515169 | 10837459.6 |        |
| 2516049 | Total Raffinage France                                    | 02/12/2010 | 2516049 | 10801619.7 | French |
| 2517489 | Marvell Asia Pte, Ltd.                                    | 22/12/2010 | 2517489 | 10801064.6 |        |
| 2517941 | Yamaha Hatsudoki Kabushiki Kaisha                         | 10/11/2010 | 2517941 | 10838866.1 |        |
| 2519144 | Sotera Wireless, Inc.                                     | 30/12/2010 | 2519144 | 10841746.0 |        |
| 2520965 | VisiTech International Ltd.                               | 14/09/2011 | 2520965 | 11007031.5 |        |
| 2521659 | Gale, David Andrew                                        | 07/01/2011 | 2521659 | 11700575.1 |        |
| 2522067 | Robert Bosch GmbH                                         | 23/11/2010 | 2522067 | 10781688.6 | German |
| 2523134 | SYSMEX CORPORATION                                        | 13/05/2011 | 2523134 | 11166021.3 |        |
| 2524646 | Hemodinamics, S.A. De CV.                                 | 12/01/2010 | 2524646 | 10843299.8 |        |
| 2525043 | Kabushiki Kaisha Toshiba                                  | 14/03/2012 | 2525043 | 12159456.8 |        |
| 2525374 | GENERAL ELECTRIC COMPANY                                  | 18/05/2012 | 2525374 | 12168506.9 |        |
| 2530212 | Keystone Lintels Limited                                  | 28/05/2012 | 2530212 | 12169680.1 |        |
| 2531134 | EL.EN. S.p.A.                                             | 04/02/2010 | 2531134 | 10707687.9 |        |
| 2531160 | KCI Licensing, Inc.                                       | 03/02/2011 | 2531160 | 11704363.8 |        |
| 2532381 | MicroPort NeuroTech (Shanghai) Co., Ltd.                  | 25/01/2011 | 2532381 | 11739368.6 |        |
| 2534416 | OSRAM GmbH                                                | 11/07/2011 | 2534416 | 11736031.3 | German |
| 2534705 | Seoul Viosys Co., Ltd                                     | 09/02/2011 | 2534705 | 11742464.8 |        |
| 2537351 | Sivantos Pte. Ltd.                                        | 07/07/2010 | 2537351 | 10732915.3 | German |
| 2537399 | Hypertherm, Inc.                                          | 18/02/2011 | 2537399 | 11704912.2 |        |
| 2537732 | Mitsubishi Electric Corporation                           | 19/02/2010 | 2537732 | 10846116.1 |        |
| 2538597 | Samsung Electronics Co., Ltd.                             | 22/06/2012 | 2538597 | 12173243.2 |        |
| 2541201 | HERE Global B.V.                                          | 29/06/2012 | 2541201 | 12174462.7 |        |
| 2543809 | eds - electric drive solution GmbH & Co. KG               | 06/07/2012 | 2543809 | 12175314.9 | German |
| 2544480 | Sony Corporation                                          | 20/01/2011 | 2544480 | 11750415.9 |        |
| 2545344 | Des19n Limited                                            | 07/03/2011 | 2545344 | 11709783.2 |        |
| 2546610 | Mitsubishi Electric Corporation                           | 03/02/2012 | 2546610 | 12153802.9 |        |
| 2548981 | JX Nippon Mining & Metals Corporation                     | 14/02/2011 | 2548981 | 11756014.4 |        |
| 2549704 | NEC Corporation                                           | 24/02/2011 | 2549704 | 11756080.5 |        |
| 2549774 | Bose Corporation                                          | 27/04/2010 | 2549774 | 12185837.7 |        |
| 2549775 | Bose Corporation                                          | 27/04/2010 | 2549775 | 12185842.7 |        |
| 2550991 | Mainstay Medical Limited                                  | 10/03/2008 | 2550991 | 12176863.4 |        |

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|---------|-----------------------------------------|------------|---------|------------|--------|
| 2551369 | MTU Aero Engines AG                     | 12/07/2012 | 2551369 | 12005135.4 | German |
| 2551446 | PRATT & WHITNEY CANADA<br>CORP.         | 25/07/2012 | 2551446 | 12177791.6 |        |
| 2551448 | PRATT & WHITNEY CANADA<br>CORP.         | 25/07/2012 | 2551448 | 12177793.2 |        |
| 2551592 | United Technologies Corporation         | 30/07/2012 | 2551592 | 12178487.0 |        |
| 2551593 | United Technologies Corporation         | 30/07/2012 | 2551593 | 12178491.2 |        |
| 2551597 | General Electric Company                | 26/07/2012 | 2551597 | 12177964.9 |        |
| 2551662 | ABB Schweiz AG                          | 20/07/2012 | 2551662 | 12005326.9 | German |
| 2552117 | Ricoh Company, Ltd.                     | 12/07/2012 | 2552117 | 12176075.5 |        |
| 2554863 | Aktiebolaget SKF                        | 18/07/2012 | 2554863 | 12176794.1 | German |
| 2555467 | ZTE Corporation                         | 29/10/2010 | 2555467 | 10848759.6 |        |
| 2557647 | General Electric Company                | 10/07/2012 | 2557647 | 12175804.9 |        |
| 2558964 | Samsung Electronics Co., Ltd.           | 15/04/2011 | 2558964 | 11769125.3 |        |
| 2563290 | Boston Scientific Scimed, Inc.          | 22/04/2011 | 2563290 | 11718204.8 |        |
| 2563519 | Mineral Technologies Pty Ltd            | 28/04/2011 | 2563519 | 11774196.7 |        |
| 2565234 | Kyoeisha Chemical Co., Ltd.             | 28/04/2011 | 2565234 | 11775135.4 |        |
| 2570814 | Hitachi High-Tech Corporation           | 25/03/2011 | 2570814 | 11780439.3 |        |
| 2572109 | ExxonMobil Upstream Research<br>Company | 02/05/2011 | 2572109 | 11783938.1 |        |
| 2572372 | Qualcomm Incorporated                   | 19/05/2011 | 2572372 | 11725236.1 |        |
| 2575275 | Huawei Technologies Co., Ltd.           | 30/10/2007 | 2575275 | 12199595.5 |        |
| 2575912 | Cap Biomaterials, LLC                   | 02/06/2011 | 2575912 | 11790111.6 |        |
| 2577340 | Siemens Healthcare Limited              | 23/05/2011 | 2577340 | 11724283.4 |        |
| 2577956 | Saturn Licensing LLC                    | 17/03/2011 | 2577956 | 11792815.0 |        |
| 2577975 | Saturn Licensing LLC                    | 16/03/2011 | 2577975 | 11792812.7 |        |
| 2579107 | Suunto Oy                               | 05/10/2011 | 2579107 | 11008080.1 |        |
| 2579919 | Zealand Pharma A/S                      | 09/06/2011 | 2579919 | 11793149.3 |        |
| 2581927 | Micromass UK Limited                    | 14/07/2008 | 2581927 | 12194499.5 |        |
| 2582416 | CSL Behring GmbH                        | 15/06/2011 | 2582416 | 11726140.4 | German |
| 2582419 | Becton, Dickinson and Company           | 17/06/2011 | 2582419 | 11727617.0 |        |
| 2584140 | Smith, Eric W.<br>Libengood, Homer D.   | 17/10/2012 | 2584140 | 12188863.0 |        |
| 2586978 | General Electric Company                | 24/10/2012 | 2586978 | 12189837.3 |        |
| 2588208 | Tomarin, Seymour                        | 30/06/2011 | 2588208 | 11800023.1 |        |
| 2589269 | InterDigital Madison Patent Holdings    | 01/07/2011 | 2589269 | 11729617.8 |        |

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| 2590593 | SOCIETE POUR LA CONCEPTION<br>DES APPLICATIONS DES<br>TECHNIQUES ELECTRONIQUES                     | 04/07/2011 | 2590593 | 11741639.6 | French |
| 2591159 | LG Electronics Inc.                                                                                | 06/07/2011 | 2591159 | 11803797.7 |        |
| 2591301 | L'AIR LIQUIDE, SOCIETE<br>ANONYME POUR L'ETUDE ET<br>L'EXPLOITATION DES PROCEDES<br>GEORGES CLAUDE | 05/07/2011 | 2591301 | 11728894.4 | French |
| 2592643 | Hitachi High-Tech Corporation                                                                      | 05/07/2011 | 2592643 | 11803566.6 |        |
| 2594061 | ISDI Limited                                                                                       | 12/07/2011 | 2594061 | 11736141.0 |        |
| 2596265 | Lucas Automotive GmbH<br>Oechsler AG                                                               | 04/07/2011 | 2596265 | 11733792.3 | German |
| 2597339 | Yamaha Hatsudoki Kabushiki Kaisha                                                                  | 30/10/2009 | 2597339 | 13156361.1 |        |
| 2597384 | LG Electronics                                                                                     | 10/10/2012 | 2597384 | 12188006.6 |        |
| 2597503 | Sony Corporation                                                                                   | 13/07/2011 | 2597503 | 11809590.0 |        |
| 2598040 | Pave, LLC                                                                                          | 26/07/2011 | 2598040 | 11813034.3 |        |
| 2598666 | ATI Properties LLC                                                                                 | 14/07/2011 | 2598666 | 11738897.5 |        |
| 2598746 | SEG Automotive Germany GmbH                                                                        | 25/07/2011 | 2598746 | 11736094.1 | German |
| 2598961 | Fisher-Rosemount Systems, Inc.                                                                     | 28/07/2011 | 2598961 | 11743723.6 |        |
| 2599803 | Bridgestone Corporation                                                                            | 26/07/2011 | 2599803 | 11812058.3 |        |
| 2600505 | NISSAN MOTOR CO., LTD.                                                                             | 14/07/2011 | 2600505 | 11812290.2 |        |
| 2601615 | Sony Corporation                                                                                   | 26/07/2011 | 2601615 | 11825596.7 |        |
| 2602868 | Toda Kogyo Corporation                                                                             | 28/07/2011 | 2602868 | 11814547.3 |        |
| 2604736 | Samsung Electronics Co., Ltd.                                                                      | 14/12/2012 | 2604736 | 12197328.3 |        |
| 2608022 | Vodafone Holding GmbH                                                                              | 27/07/2012 | 2608022 | 12005487.9 | German |
| 2608164 | IDEA PLAST S.r.L.                                                                                  | 19/09/2012 | 2608164 | 12184965.7 |        |
| 2611359 | Northwest Podiatric Laboratory Inc.                                                                | 27/07/2011 | 2611359 | 11822238.9 |        |
| 2618169 | Alps Alpine Co., Ltd.                                                                              | 30/10/2012 | 2618169 | 12190548.3 |        |
| 2619317 | Seegene, Inc.                                                                                      | 23/12/2010 | 2619317 | 10857576.2 |        |
| 2621769 | Valeo Securite Habitable                                                                           | 28/09/2011 | 2621769 | 11766945.7 | French |
| 2622153 | dormakaba Deutschland GmbH<br>DOM-Sicherheitstechnik GmbH & Co.<br>KG                              | 26/09/2011 | 2622153 | 11769776.3 | German |
| 2623873 | LG Electronics Inc.                                                                                | 01/02/2013 | 2623873 | 13153640.1 |        |
| 2623880 | Daikin Industries, Ltd.                                                                            | 27/09/2011 | 2623880 | 11829079.0 |        |
| 2623910 | Kabushiki Kaisha Kobe Seiko Sho<br>(Kobe Steel, Ltd.)                                              | 17/01/2013 | 2623910 | 13151567.8 |        |

|         |                                                           |            |         |            |        |
|---------|-----------------------------------------------------------|------------|---------|------------|--------|
| 2624171 | WeMeMove AB                                               | 29/01/2013 | 2624171 | 13153032.1 |        |
| 2624497 | LG Electronics Inc.                                       | 28/09/2011 | 2624497 | 11829551.8 |        |
| 2624910 | Biomobie Corp.                                            | 07/10/2011 | 2624910 | 11831732.0 |        |
| 2625893 | Samsung Electronics Co., Ltd.                             | 04/10/2011 | 2625893 | 11830870.9 |        |
| 2628567 | Fujimi Incorporated                                       | 06/10/2011 | 2628567 | 11832479.7 |        |
| 2629152 | Kyocera Document Solutions Inc.                           | 05/02/2013 | 2629152 | 13154061.9 |        |
| 2629842 | Research Foundation Of The City<br>University Of New York | 19/10/2011 | 2629842 | 11835058.6 |        |
| 2632061 | Agence Spatiale Européenne                                | 27/02/2012 | 2632061 | 12305233.4 |        |
| 2632729 | Hewlett-Packard Development<br>Company, L.P.              | 28/10/2010 | 2632729 | 10859074.6 |        |
| 2636291 | Ribouleau Monosem                                         | 06/03/2013 | 2636291 | 13158050.8 | French |
| 2636451 | ASAHI KASEI KABUSHIKI KAISHA                              | 03/10/2011 | 2636451 | 11837828.0 |        |
| 2636474 | Hubbell Incorporated                                      | 04/03/2013 | 2636474 | 13275047.2 |        |
| 2636763 | Ansaldo Energia Switzerland AG                            | 05/03/2012 | 2636763 | 12158129.2 |        |
| 2637716 | AktiVax, Inc.                                             | 08/11/2011 | 2637716 | 11840500.0 |        |
| 2642689 | Vodafone IP Licensing Limited                             | 04/07/2011 | 2642689 | 13173266.1 |        |
| 2643794 | Symbol Technologies, LLC                                  | 28/10/2011 | 2643794 | 11784852.3 |        |
| 2644242 | Cummins Filtration SARL                                   | 28/03/2013 | 2644242 | 13161649.2 | French |
| 2645674 | Xilinx, Inc.                                              | 09/07/2007 | 2645674 | 13174385.8 |        |
| 2646869 | Austin, Francis William                                   | 30/11/2011 | 2646869 | 11844029.6 |        |
| 2647982 | Carl Zeiss Microscopy GmbH                                | 04/04/2013 | 2647982 | 13162345.6 | German |
| 2648779 | Fresenius Medical Care Deutschland<br>GmbH                | 07/12/2011 | 2648779 | 11805404.8 | German |
| 2651469 | Baxter International Inc<br>Baxter Healthcare SA          | 12/12/2011 | 2651469 | 11813727.2 |        |
| 2652794 | SunPower Corporation                                      | 16/11/2011 | 2652794 | 11848798.2 |        |
| 2658044 | Arteche Lantegi Elkartea, S.A.                            | 24/04/2012 | 2658044 | 12382157.1 |        |
| 2658114 | Microspace Corporation<br>Taiyo Yuden Co., Ltd.           | 13/12/2011 | 2658114 | 11850787.0 |        |
| 2658223 | Samsung Electronics Co., Ltd.                             | 29/04/2013 | 2658223 | 13165781.9 |        |
| 2658615 | UTC Fire & Security Corporation                           | 30/12/2010 | 2658615 | 10861496.7 |        |
| 2661019 | LG Electronics Inc.                                       | 26/12/2011 | 2661019 | 11852559.1 |        |
| 2665245 | NEC Corporation                                           | 16/11/2011 | 2665245 | 11855687.7 |        |
| 2665260 | Saturn Licensing LLC                                      | 05/01/2012 | 2665260 | 12733959.6 |        |
| 2666521 | Sumitomo Rubber Industries, Ltd.                          | 19/04/2013 | 2666521 | 13164426.2 |        |
| 2666890 | Sumitomo Electric Toyama Co., Ltd.                        | 06/01/2012 | 2666890 | 12736268.9 |        |

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|---------|---------------------------------------------------------------------------------------|------------|---------|------------|--------|
| 2667719 | Shah, Deepak Pranjivandas                                                             | 30/01/2012 | 2667719 | 12739075.5 |        |
| 2668393 | SEG Automotive Germany GmbH                                                           | 25/01/2012 | 2668393 | 12702476.8 | German |
| 2668585 | Wyse Technology L.L.C.                                                                | 17/01/2012 | 2668585 | 12738866.8 |        |
| 2670612 | MyTop IP, LLC                                                                         | 02/02/2012 | 2670612 | 12741788.9 |        |
| 2672250 | Universal Bio Research Co., Ltd.                                                      | 06/02/2012 | 2672250 | 12742612.0 |        |
| 2673073 | Fresenius Medical Care Holdings, Inc.                                                 | 25/09/2011 | 2673073 | 11858396.2 |        |
| 2673471 | Raubacher, Heinz                                                                      | 25/01/2012 | 2673471 | 12700992.6 | German |
| 2673827 | United Technologies Corporation                                                       | 08/02/2012 | 2673827 | 12705026.8 |        |
| 2675619 | Loparex Germany GmbH & Co. KG                                                         | 06/02/2012 | 2675619 | 12708240.2 | German |
| 2676834 | KABUSHIKI KAISHA TOSHIBA                                                              | 14/02/2012 | 2676834 | 12747709.9 |        |
| 2678108 | Mettler-Toledo Rainin, LLC                                                            | 21/02/2012 | 2678108 | 12716735.1 |        |
| 2678492 | Tesla, Inc.                                                                           | 22/02/2012 | 2678492 | 12749797.2 |        |
| 2678967 | Qualcomm Incorporated                                                                 | 22/02/2012 | 2678967 | 12706426.9 |        |
| 2679756 | GEZE GmbH                                                                             | 21/06/2013 | 2679756 | 13173126.7 | German |
| 2680401 | GE Renewable Technologies Wind<br>B.V.                                                | 29/06/2012 | 2680401 | 12382260.3 |        |
| 2681089 | Continental Teves AG & Co. OHG                                                        | 29/02/2012 | 2681089 | 12721723.0 | German |
| 2681837 | Deere & Company                                                                       | 22/02/2012 | 2681837 | 12752082.3 |        |
| 2682099 | Arven Ilac Sanayi Ve Ticaret A.S.                                                     | 04/07/2013 | 2682099 | 13175125.7 |        |
| 2682863 | Google LLC                                                                            | 31/05/2013 | 2682863 | 13170027.0 |        |
| 2685102 | Simmonds Precision Products, Inc.                                                     | 05/07/2013 | 2685102 | 13175369.1 |        |
| 2685155 | LG Innotek Co., Ltd.                                                                  | 12/07/2013 | 2685155 | 13176243.7 |        |
| 2685480 | LSIS Co., Ltd.                                                                        | 02/07/2013 | 2685480 | 13174616.6 |        |
| 2685525 | GS Yuasa International Ltd.                                                           | 10/07/2013 | 2685525 | 13175897.1 |        |
| 2686799 | Bigfoot Biomedical, Inc.                                                              | 15/03/2012 | 2686799 | 12711731.5 |        |
| 2687320 | Hohmann, Frank<br>Hohmann, Jörg                                                       | 11/07/2013 | 2687320 | 13176053.0 | German |
| 2687868 | Honeywell International Inc.                                                          | 08/07/2013 | 2687868 | 13175604.1 |        |
| 2687870 | Hoshin Electronics Co., Ltd.<br>Japan Atomic Energy Agency<br>Chichibu Fuji CO., LTD. | 17/07/2013 | 2687870 | 13176901.0 |        |
| 2689322 | DISH Technologies L.L.C.                                                              | 21/03/2012 | 2689322 | 12760974.1 |        |
| 2689936 | Fujitsu Component Limited                                                             | 23/07/2013 | 2689936 | 13177589.2 |        |
| 2690184 | ThyssenKrupp Steel Europe AG                                                          | 27/07/2012 | 2690184 | 12178332.8 | German |
| 2690387 | LG Electronics Inc.                                                                   | 26/07/2013 | 2690387 | 13178167.6 |        |
| 2691263 | Robert Bosch GmbH                                                                     | 22/03/2012 | 2691263 | 12711147.4 | German |
| 2693109 | Automotive Lighting Reutlingen GmbH                                                   | 19/06/2013 | 2693109 | 13172652.3 | German |

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| 2693803 | BlackBerry Limited                                                                               | 31/07/2012 | 2693803 | 12178749.3 |        |
| 2694182 | Grundfos Holding A/S                                                                             | 27/03/2012 | 2694182 | 12713866.7 |        |
| 2696140 | Korea Institute Of Machinery & Materials                                                         | 13/12/2012 | 2696140 | 12196852.3 |        |
| 2697290 | Inovyn Europe Limited                                                                            | 05/04/2012 | 2697290 | 12713718.0 |        |
| 2699920 | Eidgenössische Technische Hochschule (ETH) Universität Zürich                                    | 23/04/2012 | 2699920 | 12723392.2 |        |
| 2701707 | Rutgers, the State University of New Jersey                                                      | 26/04/2012 | 2701707 | 12777826.4 |        |
| 2702692 | Analog Devices, Inc.                                                                             | 26/04/2012 | 2702692 | 12777805.8 |        |
| 2704482 | Sun Patent Trust                                                                                 | 27/07/2012 | 2704482 | 12822419.3 |        |
| 2704664 | Sirona Dental Systems GmbH                                                                       | 07/05/2012 | 2704664 | 12723847.5 |        |
| 2704709 | Altaba, Ariel Ruiz                                                                               | 01/05/2012 | 2704709 | 12723917.6 |        |
| 2706564 | Murata Machinery, Ltd.                                                                           | 13/03/2012 | 2706564 | 12779355.2 |        |
| 2707695 | Sartorius Stedim Biotech GmbH                                                                    | 05/05/2012 | 2707695 | 12727586.5 | German |
| 2708469 | The Boeing Company                                                                               | 13/09/2013 | 2708469 | 13184396.3 |        |
| 2709991 | Genzyme Corporation University of Washington                                                     | 15/05/2012 | 2709991 | 12786739.8 |        |
| 2711139 | Black & Decker Inc.                                                                              | 03/09/2013 | 2711139 | 13182846.9 |        |
| 2711688 | HORIBA, Ltd.                                                                                     | 17/05/2012 | 2711688 | 12789485.5 |        |
| 2712808 | LORD Corporation                                                                                 | 20/10/2008 | 2712808 | 13195946.2 |        |
| 2713831 | Benmore Ventures Limited                                                                         | 25/05/2012 | 2713831 | 12732849.0 |        |
| 2714259 | Conser S.P.A.                                                                                    | 26/05/2011 | 2714259 | 11739173.0 |        |
| 2715224 | IDEAL INDUSTRIES LIGHTING LLC                                                                    | 30/05/2012 | 2715224 | 12793449.5 |        |
| 2715499 | Esposito, Mario Microsoft Technology Licensing, LLC                                              | 23/05/2011 | 2715499 | 11866113.1 |        |
| 2716512 | Knorr-Bremse Systems for Commercial Vehicles Limited KNORR-BREMSE Systeme für Nutzfahrzeuge GmbH | 17/09/2013 | 2716512 | 13004532.1 |        |
| 2716868 | Rolls-Royce plc                                                                                  | 03/10/2013 | 2716868 | 13187236.8 |        |
| 2717686 | Indorama Ventures Oxides Australia Pty Limited                                                   | 08/06/2012 | 2717686 | 12796939.2 |        |
| 2720006 | The Boeing Company                                                                               | 14/10/2013 | 2720006 | 13188531.1 |        |
| 2720333 | Airbus Operations                                                                                | 07/10/2013 | 2720333 | 13187558.5 | French |

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| 2720367 | Hamilton Sundstrand Corporation                         | 04/10/2013 | 2720367 | 13187390.3 |        |
| 2720473 | Saturn Licensing LLC                                    | 09/04/2013 | 2720473 | 13778015.1 |        |
| 2722937 | Omron Corporation                                       | 14/03/2012 | 2722937 | 12799825.0 |        |
| 2723011 | Optis Cellular Technology, LLC                          | 11/09/2008 | 2723011 | 13181401.4 |        |
| 2725546 | FUJITSU LIMITED                                         | 22/10/2013 | 2725546 | 13189724.1 |        |
|         | The University of Tokyo                                 |            |         |            |        |
| 2725961 | Université Pierre et Marie Curie (Paris 6)              | 25/06/2012 | 2725961 | 12730914.4 | French |
|         | Centre National de la Recherche Scientifique            |            |         |            |        |
|         | Mauna Kea Technologies                                  |            |         |            |        |
|         | Endocontrol                                             |            |         |            |        |
| 2728064 | Dow Silicones Corporation                               | 12/11/2010 | 2728064 | 14153683.9 |        |
| 2728216 | VKR Holding A/S                                         | 29/10/2013 | 2728216 | 13190627.3 |        |
| 2729742 | Carrier Corporation                                     | 05/07/2011 | 2729742 | 11729123.7 |        |
| 2729772 | Micro Motion, Inc.                                      | 07/07/2011 | 2729772 | 11744130.3 |        |
| 2729968 | The Regents of the University of Michigan               | 06/07/2012 | 2729968 | 12740782.3 |        |
| 2730392 | Toyo Seikan Group Holdings, Ltd.                        | 03/07/2012 | 2730392 | 12812039.1 |        |
| 2732187 | Oxford Nanopore Technologies Limited                    | 11/07/2012 | 2732187 | 12738165.5 |        |
| 2732537 | ABB Oy                                                  | 10/07/2012 | 2732537 | 12745593.9 |        |
| 2732830 | Heraeus Medical GmbH                                    | 21/10/2013 | 2732830 | 13189558.3 | German |
| 2733461 | Northrop Grumman Guidance and Electronics Company, Inc. | 06/11/2013 | 2733461 | 13191755.1 |        |
| 2734348 | BANDIT INDUSTRIES, INC.                                 | 21/07/2012 | 2734348 | 12814840.0 |        |
| 2734916 | Sony Corporation                                        | 05/07/2012 | 2734916 | 12814957.2 |        |
| 2735487 | Bridgestone Corporation                                 | 18/07/2012 | 2735487 | 12814951.5 |        |
| 2735663 | Nichiha Corporation                                     | 22/10/2013 | 2735663 | 13189676.3 |        |
| 2735726 | Linde Hydraulics GmbH & Co. KG                          | 05/11/2013 | 2735726 | 13191529.0 | German |
| 2736206 | LG Electronics Inc.                                     | 20/07/2011 | 2736206 | 11869517.0 |        |
| 2736446 | Abracadabra Implants Ltd                                | 26/07/2012 | 2736446 | 12748056.4 |        |
| 2740005 | Ideal S.R.L.                                            | 11/07/2012 | 2740005 | 12740670.0 |        |
| 2741336 | Rohm Co., Ltd.                                          | 30/07/2012 | 2741336 | 12820337.9 |        |
| 2742420 | Microsoft Technology Licensing, LLC                     | 08/10/2011 | 2742420 | 11870789.2 |        |
| 2742511 | Elantas GmbH                                            | 06/08/2012 | 2742511 | 12762539.0 | German |
| 2745405 | Telefonaktiebolaget LM Ericsson (publ)                  | 12/03/2013 | 2745405 | 13781543.7 |        |
| 2746469 | CNH Industrial Italia S.p.A.                            | 20/12/2013 | 2746469 | 13198726.5 |        |

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| 2748636 | Koninklijke Philips N.V.                        | 23/11/2012 | 2748636 | 12816507.3 |        |
| 2749729 | Soilmec S.p.A.                                  | 09/12/2013 | 2749729 | 13196268.0 |        |
| 2751395 | Ormat Technologies Inc.                         | 19/07/2012 | 2751395 | 12817707.8 |        |
| 2753109 | Huizhou TCL Mobile Communication Co., Ltd.      | 10/07/2012 | 2753109 | 12828754.7 |        |
| 2755131 | DISH Technologies L.L.C.                        | 22/12/2009 | 2755131 | 14164461.7 |        |
| 2755747 | University of Houston System                    | 11/09/2012 | 2755747 | 12832121.3 |        |
| 2756436 | Qualcomm Incorporated                           | 12/09/2012 | 2756436 | 12768949.5 |        |
| 2756519 | Micromass UK Limited                            | 17/09/2012 | 2756519 | 12781138.8 |        |
| 2756725 | Qualcomm Incorporated                           | 13/09/2012 | 2756725 | 12781191.7 |        |
| 2757771 | CANON KABUSHIKI KAISHA                          | 10/01/2014 | 2757771 | 14150838.2 |        |
| 2758247 | Electronics for Imaging, Inc.                   | 13/09/2012 | 2758247 | 12832976.0 |        |
| 2764993 | ContiTech Elastomer-Beschichtungen GmbH         | 17/12/2013 | 2764993 | 13197595.5 | German |
| 2766630 | HS Products Limited                             | 10/10/2012 | 2766630 | 12781411.9 |        |
| 2767057 | Rosemount Inc.                                  | 01/06/2012 | 2767057 | 12727506.3 |        |
| 2769654 | Grelhaço-Indústria de Artigos em Aço Inox, Lda. | 24/02/2013 | 2769654 | 13398003.7 |        |
| 2770281 | DoubleDay Acquisitions, LLC                     | 20/02/2014 | 2770281 | 14156021.9 |        |
| 2772210 | Ethicon LLC                                     | 03/03/2014 | 2772210 | 14157539.9 |        |
| 2773568 | Aptargroup, Inc.                                | 03/11/2011 | 2773568 | 11875009.0 |        |
| 2776169 | Alesi Surgical Limited                          | 31/10/2012 | 2776169 | 12791528.8 |        |
| 2776398 | Medifron DBT Inc.                               | 08/11/2012 | 2776398 | 12781340.0 |        |
| 2776653 | GED Integrated Solutions, Inc.                  | 20/12/2011 | 2776653 | 11875470.4 |        |
| 2778600 | MFP Messtechnik und Fertigungstechnologie GmbH  | 17/03/2014 | 2778600 | 14160236.7 | German |
| 2778786 | Palo Alto Research Center Incorporated          | 11/03/2014 | 2778786 | 14158890.5 |        |
| 2779970 | The General Hospital Corporation                | 16/11/2012 | 2779970 | 12850636.7 |        |
| 2781240 | Sony Corporation                                | 14/03/2014 | 2781240 | 14159923.3 |        |
| 2782635 | Cardiac Pacemakers, Inc.                        | 19/11/2012 | 2782635 | 12795262.0 |        |
| 2783095 | Westport Power Inc.                             | 20/11/2012 | 2783095 | 12852244.8 |        |
| 2785404 | Hyprotek, Inc.                                  | 28/11/2012 | 2785404 | 12852889.0 |        |
| 2785438 | Henkel AG & Co. KGaA                            | 29/11/2012 | 2785438 | 12798667.7 | German |
| 2786491 | Valeo Comfort and Driving Assistance            | 30/11/2012 | 2786491 | 12801505.4 | French |
| 2788007 | University of Johannesburg                      | 06/12/2012 | 2788007 | 12813988.8 |        |
| 2788078 | Metavention, Inc.                               | 07/12/2012 | 2788078 | 12855872.3 |        |
| 2791294 | Total Marketing Services                        | 14/12/2012 | 2791294 | 12809233.5 | French |

|         |                                               |            |         |            |        |
|---------|-----------------------------------------------|------------|---------|------------|--------|
| 2794183 | Unison Industries LLC                         | 24/09/2012 | 2794183 | 12839203.2 |        |
| 2797300 | Samsung Electronics Co., Ltd.                 | 25/04/2014 | 2797300 | 14165990.4 |        |
| 2801452 | Samsung Electronics Co., Ltd.                 | 06/05/2014 | 2801452 | 14167150.3 |        |
| 2803086 | Intel Deutschland GmbH                        | 10/01/2013 | 2803086 | 13701580.6 |        |
| 2803225 | Nokia Solutions and Networks Oy               | 09/01/2013 | 2803225 | 13700148.3 |        |
| 2803859 | VHIT S.p.A.                                   | 13/05/2014 | 2803859 | 14168020.7 |        |
| 2804698 | Paul Scherrer Institut                        | 11/12/2012 | 2804698 | 12810153.2 | German |
| 2804917 | IdeaPaint, Inc.                               | 21/01/2013 | 2804917 | 13738034.1 |        |
| 2805341 | Sew-Eurodrive GmbH & Co. KG                   | 10/01/2013 | 2805341 | 13703990.5 | German |
| 2805499 | Fujitsu Limited                               | 16/01/2013 | 2805499 | 13703155.5 |        |
| 2807195 | Total Research & Technology Feluy             | 24/01/2013 | 2807195 | 13701257.1 |        |
| 2807541 | EntIT Software LLC                            | 26/01/2012 | 2807541 | 12866909.0 |        |
| 2807558 | Continental Automotive GmbH                   | 25/01/2013 | 2807558 | 13702764.5 | German |
| 2809773 | Dr. Reddy's Laboratories Limited              | 18/01/2013 | 2809773 | 13743691.1 |        |
| 2811015 | R Bio Co., Ltd.                               | 03/12/2012 | 2811015 | 12852618.3 |        |
| 2812964 | Illinois Tool Works Inc.                      | 08/11/2012 | 2812964 | 12805532.4 |        |
| 2813109 | Samsung Electronics Co., Ltd.                 | 24/01/2013 | 2813109 | 13747187.6 |        |
| 2813968 | Konica Minolta, Inc.                          | 11/06/2014 | 2813968 | 14171926.0 |        |
| 2814247 | Zhejiang Dahua Technology Co., Ltd            | 16/05/2013 | 2814247 | 13791567.4 |        |
| 2815109 | United Technologies Corporation               | 12/02/2013 | 2815109 | 13785031.9 |        |
| 2819241 | Orange Polska S.A.                            | 06/06/2014 | 2819241 | 14460032.7 |        |
| 2819399 | Nikon Corporation                             | 25/02/2013 | 2819399 | 13751745.4 |        |
| 2819967 | Corning Incorporated                          | 28/02/2013 | 2819967 | 13710682.9 |        |
| 2819993 | Cincinnati Children's Hospital Medical Center | 01/03/2013 | 2819993 | 13755719.5 |        |
|         | University Of Cincinnati                      |            |         |            |        |
| 2821237 | Sato Holdings Kabushiki Kaisha                | 22/02/2013 | 2821237 | 13754783.2 |        |
| 2822999 | The Regents of the University of California   | 07/03/2013 | 2822999 | 13757773.0 |        |
| 2823264 | Weatherford Technology Holdings, LLC          | 08/03/2013 | 2823264 | 13710959.1 |        |
| 2824970 | Telefonaktiebolaget LM Ericsson (publ)        | 13/07/2012 | 2824970 | 14188385.0 |        |
| 2825475 | Cohen, Ben Z.                                 | 13/03/2013 | 2825475 | 13760868.3 |        |
| 2825580 | Sika Technology AG                            | 14/03/2013 | 2825580 | 13710832.0 | German |
| 2827432 | Kabushiki Kaisha Toshiba                      | 14/03/2013 | 2827432 | 13760767.7 |        |
| 2827553 | Harman International Industries, Inc.         | 16/07/2014 | 2827553 | 14177254.1 |        |

|         |                                                                           |            |         |            |        |
|---------|---------------------------------------------------------------------------|------------|---------|------------|--------|
| 2827693 | Seger GmbH<br>Totech Europe BV                                            | 10/07/2014 | 2827693 | 14176499.3 | German |
| 2827913 | Neomend, Inc.                                                             | 15/03/2013 | 2827913 | 13765159.2 |        |
| 2828527 | BITZER Kühlmaschinenbau GmbH                                              | 19/03/2013 | 2828527 | 13711631.5 | German |
| 2829938 | HERE Global B.V.                                                          | 18/06/2014 | 2829938 | 14172858.4 |        |
| 2831793 | VMware, Inc.                                                              | 28/03/2013 | 2831793 | 13724431.5 |        |
| 2832869 | Nippon Steel Corporation                                                  | 08/03/2013 | 2832869 | 13768252.2 |        |
| 2833182 | Prysmian S.p.A.                                                           | 24/07/2014 | 2833182 | 14178261.5 |        |
| 2833232 | EM Microelectronic-Marin SA                                               | 08/07/2014 | 2833232 | 14176108.0 |        |
| 2833329 | Deutsche Telekom AG                                                       | 23/07/2014 | 2833329 | 14178167.4 | German |
| 2833945 | Sanofi-Aventis Deutschland GmbH                                           | 02/04/2013 | 2833945 | 13713198.3 |        |
| 2834262 | Polaris Group                                                             | 30/05/2012 | 2834262 | 12873622.0 |        |
| 2834501 | United Technologies Corporation                                           | 28/03/2013 | 2834501 | 13813501.7 |        |
| 2834752 | Zebra Technologies Corporation                                            | 04/04/2013 | 2834752 | 13772089.2 |        |
| 2835800 | Ricoh Company, Ltd.                                                       | 30/07/2014 | 2835800 | 14179177.2 |        |
| 2836717 | BITZER Kühlmaschinenbau GmbH                                              | 19/03/2013 | 2836717 | 13764272.4 |        |
| 2836941 | Global Supercomputing Corporation                                         | 07/11/2012 | 2836941 | 12849946.4 |        |
| 2839656 | MediaTek Singapore Pte. Ltd.                                              | 24/01/2013 | 2839656 | 13778200.9 |        |
| 2840145 | DENKA SEIKEN CO., LTD.                                                    | 19/04/2013 | 2840145 | 13777616.7 |        |
| 2842290 | OpenLimit SignCubes AG                                                    | 24/04/2013 | 2842290 | 13726122.8 |        |
| 2844055 | FUJI Corporation                                                          | 27/04/2012 | 2844055 | 12875470.2 |        |
| 2844369 | MECS, Inc.                                                                | 02/05/2013 | 2844369 | 13721884.8 |        |
| 2844449 | Intellectual Property Holdings, LLC                                       | 02/05/2013 | 2844449 | 13784226.6 |        |
| 2844624 | Construction Research & Technology<br>GmbH                                | 22/04/2013 | 2844624 | 13717514.7 |        |
| 2844875 | Eaton Corporation                                                         | 01/05/2013 | 2844875 | 13723323.5 |        |
| 2846944 | Stolle Machinery Company, LLC                                             | 06/05/2013 | 2846944 | 13786985.5 |        |
| 2847015 | PSA Automobiles SA                                                        | 04/04/2013 | 2847015 | 13719979.0 | French |
| 2847551 | F.HOFFMANN-LA ROCHE AG                                                    | 15/11/2012 | 2847551 | 12787720.7 |        |
| 2847855 | Siemens Energy, Inc.                                                      | 10/05/2013 | 2847855 | 13727683.8 |        |
| 2848660 | Ricoh Company, Ltd.                                                       | 16/09/2014 | 2848660 | 14184974.5 |        |
| 2851301 | Hübner GmbH & Co. KG                                                      | 24/09/2013 | 2851301 | 13004629.5 | German |
| 2851820 | FUJITSU LIMITED                                                           | 20/09/2013 | 2851820 | 13185298.0 |        |
| 2852903 | Google LLC                                                                | 24/04/2013 | 2852903 | 13794028.4 |        |
| 2853543 | Wuhan Therasource Biosciences Inc<br>Shanghai Junshi Bioscience Co., Ltd. | 22/05/2013 | 2853543 | 13794561.4 |        |
| 2853643 | Hansa Armaturen GmbH                                                      | 09/09/2014 | 2853643 | 14003118.8 | German |

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|---------------------|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------|---------|-------------------|--------|
| 2856230             | Corning Optical Communications LLC                                                               | 29/05/2013                                                    | 2856230 | 13821220.4        |        |
| 2856523             | OSRAM Opto Semiconductors GmbH                                                                   | 15/05/2013                                                    | 2856523 | 13723487.8        | German |
| 2857379             | Asac Compañía De Biotecnología E<br>Investigación SA                                             | 08/05/2013                                                    | 2857379 | 13787858.3        |        |
| 2858904             | Consort Medical Plc                                                                              | 07/06/2013                                                    | 2858904 | 13728806.4        |        |
| 2859146             | Roquette Frères                                                                                  | 12/06/2013                                                    | 2859146 | 13737311.4        | French |
| 2859679             | The University Of Leeds                                                                          | 23/05/2013                                                    | 2859679 | 13725454.6        |        |
| 2863566             | Université de Nantes<br>Centre National de la Recherche<br>Scientifique (C.N.R.S.)               | 18/10/2013                                                    | 2863566 | 13306435.2        |        |
| 2863760             | Unilever PLC                                                                                     | 30/05/2013                                                    | 2863760 | 13727566.5        |        |
| 2864844             | ROLEX SA                                                                                         | 25/06/2013                                                    | 2864844 | 13731342.5        | French |
| 2864849             | Bio-Rad Laboratories, Inc.                                                                       | 20/06/2013                                                    | 2864849 | 13806142.9        |        |
| 2865253             | Advanced Micro Devices, Inc.                                                                     | 21/06/2013                                                    | 2865253 | 13733510.5        |        |
| 2868176             | Continental Automotive GmbH                                                                      | 27/06/2013                                                    | 2868176 | 13742169.9        | German |
| 2869838             | Children's Medical Center Corporation                                                            | 03/07/2013                                                    | 2869838 | 13813283.2        |        |
| 2869930             | VKI Technologies Inc.                                                                            | 04/07/2013                                                    | 2869930 | 13812488.8        |        |
| 2870269             | The University of Birmingham                                                                     | 02/07/2013                                                    | 2870269 | 13736615.9        |        |
| 2870773             | InterDigital CE Patent Holdings                                                                  | 03/07/2013                                                    | 2870773 | 13734063.4        | French |
| 2871718             | Furukawa Electric Co., Ltd.<br>Furukawa Automotive Systems Inc.                                  | 09/07/2013                                                    | 2871718 | 13817053.5        |        |
| 2871880             | Huawei Technologies Co., Ltd.                                                                    | 02/11/2012                                                    | 2871880 | 12880546.2        |        |
| 2871911             | KDDI Corporation                                                                                 | 04/07/2013                                                    | 2871911 | 13813856.5        |        |
| 2871988             | Dolce Vita S.r.l.                                                                                | 15/07/2013                                                    | 2871988 | 13756714.5        |        |
| 2872339             | Hewlett-Packard Development<br>Company, L.P.                                                     | 11/07/2012                                                    | 2872339 | 12880991.0        |        |
| 2873197             | Code on Network Coding, LLC                                                                      | 12/07/2013                                                    | 2873197 | 13819210.9        |        |
| 2873533             | Pilot Corporation                                                                                | 27/06/2013                                                    | 2873533 | 13809309.1        |        |
| 2873540             | Bridgestone Corporation                                                                          | 12/07/2013                                                    | 2873540 | 13816088.2        |        |
| 2873721             | Idemitsu Kosan Co., Ltd                                                                          | 12/07/2013                                                    | 2873721 | 13817209.3        |        |
| 2873962             | Leica Biosystems Nussloch GmbH                                                                   | 14/11/2014                                                    | 2873962 | 14193144.4        | German |
| 2874271             | LG Chem, Ltd.                                                                                    | 30/07/2014                                                    | 2874271 | 14831493.3        |        |
| 2874573             | Clariance                                                                                        | 09/07/2013                                                    | 2874573 | 13747437.5        | French |
| 2874681             | Bigfoot Biomedical, Inc.                                                                         | 19/07/2013                                                    | 2874681 | 13820586.9        |        |
| 2874714             | Her Majesty The Queen In Right Of<br>Canada As Represented By The<br>Minister Of The Environment | 17/07/2013                                                    | 2874714 | 13819505.2        |        |

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|---------|----------------------------------------------------------------------------------------------------------------|------------|---------|------------|--------|
| 2875204 | Merlin Technology Inc.                                                                                         | 19/07/2013 | 2875204 | 13819757.9 |        |
| 2875581 | Caterpillar Inc.                                                                                               | 10/07/2013 | 2875581 | 13822577.6 |        |
| 2875620 | Dali Systems Co. Ltd.                                                                                          | 18/07/2013 | 2875620 | 13823723.5 |        |
| 2876016 | NXP B.V.                                                                                                       | 20/11/2013 | 2876016 | 13193720.3 |        |
| 2876423 | Bridgestone Corporation                                                                                        | 03/07/2013 | 2876423 | 13819312.3 |        |
| 2876430 | Valmet Technologies Oy                                                                                         | 18/11/2014 | 2876430 | 14397536.5 |        |
| 2877260 | Parker-Hannifin Corporation                                                                                    | 26/07/2013 | 2877260 | 13747917.6 |        |
| 2877444 | The Broad Institute, Inc.                                                                                      | 29/07/2013 | 2877444 | 13745773.5 |        |
|         | The General Hospital Corporation d/b/a<br>Massachusetts General Hospital                                       |            |         |            |        |
| 2877533 | Petroliam Nasional Berhad<br>(PETRONAS)                                                                        | 23/07/2013 | 2877533 | 13823616.1 |        |
| 2877757 | DTI Group B.V.                                                                                                 | 24/07/2013 | 2877757 | 13780422.5 |        |
| 2878888 | WVT Breiding GmbH                                                                                              | 02/12/2014 | 2878888 | 14004057.7 | German |
| 2879370 | Clarion Co., Ltd.<br>NISSAN MOTOR CO., LTD.                                                                    | 19/07/2013 | 2879370 | 13823445.5 |        |
| 2879531 | Philip Morris Products S.A.                                                                                    | 05/07/2013 | 2879531 | 13734117.8 |        |
| 2879778 | The Penn State Research Foundation                                                                             | 29/07/2013 | 2879778 | 13825266.3 |        |
| 2880630 | HERE Global B.V.                                                                                               | 30/07/2013 | 2880630 | 13776854.5 |        |
| 2881194 | LG Electronics Inc.                                                                                            | 05/11/2014 | 2881194 | 14191835.9 |        |
| 2881397 | KinoPharma, Inc.<br>Kyoto University<br>National University Corporation Tokyo<br>Medical and Dental University | 30/07/2013 | 2881397 | 13825401.6 |        |
| 2881655 | LG Innotek Co., Ltd.                                                                                           | 09/12/2014 | 2881655 | 14196908.9 |        |
| 2883240 | Applied Materials, Inc.                                                                                        | 18/07/2013 | 2883240 | 13828359.3 |        |
| 2883592 | UBE Industries, Ltd.                                                                                           | 08/08/2013 | 2883592 | 13827746.2 |        |
| 2886862 | KAESER KOMPRESSOREN SE                                                                                         | 17/12/2013 | 2886862 | 13197728.2 | German |
| 2887575 | Vorderwülbecke, Laurenz                                                                                        | 18/12/2013 | 2887575 | 13198124.3 |        |
| 2887740 | LG Electronics Inc.                                                                                            | 18/07/2013 | 2887740 | 13820409.4 |        |
| 2887901 | Olympus Winter & Ibe GmbH                                                                                      | 17/07/2013 | 2887901 | 13737803.0 | German |
| 2889073 | Kabushiki Kaisha Toshiba                                                                                       | 23/12/2014 | 2889073 | 14200211.2 |        |
| 2889437 | Cosentino Research and Development,<br>S.L                                                                     | 09/07/2013 | 2889437 | 13817074.1 |        |
| 2889657 | LG Innotek Co., Ltd.                                                                                           | 24/12/2014 | 2889657 | 14200279.9 |        |
| 2889930 | STILL GmbH                                                                                                     | 02/12/2014 | 2889930 | 14195889.2 | German |
| 2890116 | Samsung Electronics Co., Ltd.                                                                                  | 23/12/2014 | 2890116 | 14200150.2 |        |

|         |                                                                                                                                                                                                                  |            |         |            |        |
|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------|------------|--------|
| 2891871 | Honeywell International Inc.                                                                                                                                                                                     | 07/01/2015 | 2891871 | 15150391.9 |        |
| 2894955 | LG Electronics Inc.                                                                                                                                                                                              | 27/09/2013 | 2894955 | 13855017.3 |        |
| 2895680 | Halliburton Energy Services Inc.                                                                                                                                                                                 | 23/08/2013 | 2895680 | 13836580.4 |        |
| 2896265 | Interdigital Patent Holdings, Inc.                                                                                                                                                                               | 13/09/2013 | 2896265 | 13770585.1 |        |
| 2896521 | Nhk Spring Co., Ltd.<br>NHK Spring Production Company                                                                                                                                                            | 03/09/2013 | 2896521 | 13837378.2 |        |
| 2897789 | Compagnie Générale des<br>Etablissements Michelin                                                                                                                                                                | 18/09/2013 | 2897789 | 13765351.5 | French |
| 2898105 | ATI Properties LLC                                                                                                                                                                                               | 03/02/2014 | 2898105 | 14705448.0 |        |
| 2898945 | Japan Science And Technology Agency                                                                                                                                                                              | 18/09/2013 | 2898945 | 13838282.5 |        |
| 2900678 | Centre National de la Recherche<br>Scientifique (C.N.R.S.)<br>Université de Nantes<br>Université de Picardie Jules Verne<br>Université Lille 1 - Sciences Et<br>Technologies<br>Université d'Auvergne Clermont 1 | 24/07/2013 | 2900678 | 13745375.9 |        |
| 2902174 | Xerox Corporation                                                                                                                                                                                                | 19/01/2015 | 2902174 | 15151678.8 |        |
| 2903566 | Synthes GmbH                                                                                                                                                                                                     | 09/11/2012 | 2903566 | 12794595.4 |        |
| 2903664 | Tecpharma Licensing AG                                                                                                                                                                                           | 23/05/2013 | 2903664 | 13727557.4 |        |
| 2903945 | Corning Incorporated                                                                                                                                                                                             | 04/10/2013 | 2903945 | 13782880.2 |        |
| 2904487 | RxSafe, LLC                                                                                                                                                                                                      | 01/10/2013 | 2904487 | 13844463.3 |        |
| 2904796 | Avago Technologies International Sales<br>Pte. Limited                                                                                                                                                           | 03/10/2013 | 2904796 | 13843126.7 |        |
| 2904806 | Avago Technologies International Sales<br>Pte. Limited                                                                                                                                                           | 03/10/2013 | 2904806 | 13843439.4 |        |
| 2905033 | Nektar Therapeutics                                                                                                                                                                                              | 16/12/2004 | 2905033 | 15156167.7 |        |
| 2905346 | Schwartz GmbH                                                                                                                                                                                                    | 01/07/2014 | 2905346 | 14175262.6 | German |
| 2905691 | LG Electronics Inc.                                                                                                                                                                                              | 09/01/2015 | 2905691 | 15150654.0 |        |
| 2905788 | Nexans                                                                                                                                                                                                           | 07/02/2014 | 2905788 | 14305168.8 |        |
| 2906373 | Neturen Co., Ltd.                                                                                                                                                                                                | 11/10/2013 | 2906373 | 13785663.9 |        |
| 2906375 | Fill Gesellschaft m.b.H.                                                                                                                                                                                         | 10/10/2013 | 2906375 | 13805221.2 | German |
| 2906558 | Daewoong Pharmaceutical Co., Ltd.                                                                                                                                                                                | 15/10/2013 | 2906558 | 13846541.4 |        |
| 2907608 | Hitachi Tool Engineering, Ltd.                                                                                                                                                                                   | 19/09/2013 | 2907608 | 13845106.7 |        |
| 2908007 | Siemens Gamesa Renewable Energy<br>A/S                                                                                                                                                                           | 14/02/2014 | 2908007 | 14155123.4 |        |
| 2909533 | Honeywell International Inc.                                                                                                                                                                                     | 11/10/2013 | 2909533 | 13847273.3 |        |

|         |                                                                                  |            |         |            |        |
|---------|----------------------------------------------------------------------------------|------------|---------|------------|--------|
| 2909613 | Bio-rad Laboratories, Inc.                                                       | 17/10/2013 | 2909613 | 13846939.0 |        |
| 2909971 | Dolby Laboratories Licensing Corporation                                         | 11/10/2013 | 2909971 | 13783757.1 |        |
| 2914049 | Samsung Electronics Co., Ltd.                                                    | 09/07/2008 | 2914049 | 15165076.9 |        |
| 2915223 | Robert Bosch GmbH                                                                | 13/09/2013 | 2915223 | 13762125.6 | German |
| 2915310 | Silverlake Mobility Ecosystem Sdn Bhd                                            | 02/11/2012 | 2915310 | 12887819.6 |        |
| 2915614 | Makino Milling Machine Co., Ltd.                                                 | 31/10/2012 | 2915614 | 12887485.6 |        |
| 2915635 | TOHOKU UNIVERSITY<br>Seiko Epson Corporation                                     | 03/03/2015 | 2915635 | 15157376.3 |        |
| 2918290 | Yamaguchi University                                                             | 07/11/2013 | 2918290 | 13854101.6 |        |
| 2918532 | Glory Ltd.                                                                       | 26/06/2012 | 2918532 | 15156657.7 |        |
| 2918830 | FUJI ELECTRIC CO., LTD.<br>Geothermal Engineering Co., Ltd.<br>NIKKISO CO., LTD. | 02/10/2009 | 2918830 | 15151720.8 |        |
| 2919378 | Hitachi Industrial Equipment Systems Co., Ltd.                                   | 03/07/2013 | 2919378 | 13853483.9 |        |
| 2919744 | EUSA Pharma (UK) Ltd                                                             | 14/11/2013 | 2919744 | 13792895.8 |        |
| 2920072 | United Technologies Corporation                                                  | 14/11/2013 | 2920072 | 13854460.6 |        |
| 2921018 | Nokia Technologies Oy                                                            | 13/11/2013 | 2921018 | 13854264.2 |        |
| 2922270 | CANON KABUSHIKI KAISHA                                                           | 17/03/2015 | 2922270 | 15159331.6 |        |
| 2924874 | Mitsubishi Electric Corporation                                                  | 22/11/2012 | 2924874 | 12888880.7 |        |
| 2925396 | ResMed Pty Ltd                                                                   | 26/11/2013 | 2925396 | 13859282.9 |        |
| 2926052 | VALEO ILUMINACION                                                                | 28/11/2013 | 2926052 | 13795804.7 | French |
| 2926426 | Eaton Intelligent Power Limited                                                  | 27/11/2013 | 2926426 | 13796076.1 | German |
| 2926743 | Covidien LP                                                                      | 30/03/2015 | 2926743 | 15161597.8 |        |
| 2927768 | Robert Bosch GmbH                                                                | 19/03/2015 | 2927768 | 15159858.8 | German |
| 2928117 | Cisco Technology, Inc.                                                           | 24/03/2015 | 2928117 | 15160675.3 |        |
| 2928233 | Huawei Technologies Co., Ltd.                                                    | 12/09/2013 | 2928233 | 13864059.4 |        |
| 2930075 | LG Innotek Co., Ltd.                                                             | 09/04/2015 | 2930075 | 15162926.8 |        |
| 2930686 | The Boeing Company                                                               | 27/01/2015 | 2930686 | 15152754.6 |        |
| 2930732 | Hyundai Electric & Energy Systems Co., Ltd.                                      | 24/11/2014 | 2930732 | 14194556.8 |        |
| 2931175 | G&H Technologies, LLC                                                            | 20/09/2013 | 2931175 | 13864734.2 |        |
| 2931735 | Umicore AG & Co. KG                                                              | 11/12/2013 | 2931735 | 13802665.3 | German |
| 2931765 | Arkema France                                                                    | 09/12/2013 | 2931765 | 13821118.0 | French |
| 2933550 | LG Innotek Co., Ltd.                                                             | 17/12/2013 | 2933550 | 13866053.5 |        |
| 2934012 | LG Electronics Inc.                                                              | 17/12/2013 | 2934012 | 13864810.0 |        |

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|---------|------------------------------------------------------------------------------------------------|------------|---------|------------|--------|
| 2934213 | Salomon S.A.S.<br>Boucher, Béatrice<br>Gautier, Gérard                                         | 06/12/2013 | 2934213 | 13818253.0 | French |
| 2935384 | Dow Global Technologies LLC                                                                    | 04/03/2013 | 2935384 | 13709700.2 |        |
| 2935802 | Nuovo Pignone S.r.l.                                                                           | 18/12/2013 | 2935802 | 13811921.9 |        |
| 2936179 | Eaton Corporation                                                                              | 16/12/2013 | 2936179 | 13814796.2 |        |
| 2937121 | Innovation First, Inc.                                                                         | 04/09/2014 | 2937121 | 14183579.3 |        |
| 2937823 | Linxens Holding                                                                                | 24/04/2015 | 2937823 | 15165086.8 | French |
| 2938414 | L'Air Liquide Société Anonyme pour<br>l'Etude et l'Exploitation des Procédés<br>Georges Claude | 11/07/2013 | 2938414 | 13744729.8 | French |
| 2938620 | Univation Technologies, LLC                                                                    | 19/12/2013 | 2938620 | 13824555.0 |        |
| 2938700 | SunCoke Technology and Development<br>LLC                                                      | 28/12/2012 | 2938700 | 12890654.2 |        |
| 2940022 | Masarykova Univerzita                                                                          | 30/04/2014 | 2940022 | 14166547.1 |        |
| 2940085 | Japan Coating Resin Corporation                                                                | 27/12/2013 | 2940085 | 13867739.8 |        |
| 2940675 | Goodrich Corporation                                                                           | 28/04/2015 | 2940675 | 15165322.7 |        |
| 2940998 | Avago Technologies International Sales<br>Pte. Limited                                         | 04/10/2013 | 2940998 | 15001470.2 |        |
| 2942047 | Beiersdorf AG                                                                                  | 06/05/2014 | 2942047 | 14167183.4 | German |
| 2943026 | Starkey Laboratories, Inc.                                                                     | 06/05/2015 | 2943026 | 15166541.1 |        |
| 2943290 | SICPA HOLDING SA                                                                               | 20/12/2013 | 2943290 | 13811972.2 |        |
| 2944048 | Apple Inc.                                                                                     | 14/03/2014 | 2944048 | 14720005.9 |        |
| 2944314 | Obshestvo S Ogranichennoj<br>Otvetstvennostju "PARAFARM"                                       | 13/01/2014 | 2944314 | 14737496.1 |        |
| 2944823 | Mitsubishi Heavy Industries<br>Compressor Corporation                                          | 08/02/2013 | 2944823 | 15161331.2 |        |
| 2946321 | Cathworks Ltd.                                                                                 | 15/01/2014 | 2946321 | 14710059.8 |        |
| 2946473 | Microchip Technology Incorporated                                                              | 16/01/2014 | 2946473 | 14702405.3 |        |
| 2946539 | Intel IP Corporation                                                                           | 23/12/2013 | 2946539 | 13871538.8 |        |
| 2947353 | CLAAS Industrietechnik GmbH                                                                    | 24/04/2015 | 2947353 | 15164963.9 | German |
| 2947696 | Fraunhofer-Gesellschaft zur Förderung<br>der angewandten Forschung e.V.                        | 21/05/2015 | 2947696 | 15168656.5 | German |
| 2947767 | Linear Technology Corporation                                                                  | 20/05/2015 | 2947767 | 15001518.8 |        |
| 2948070 | Endoshape, Inc.                                                                                | 13/03/2014 | 2948070 | 14720353.3 |        |
| 2948286 | VAN LÜCK, Frank                                                                                | 17/01/2014 | 2948286 | 14721751.7 | German |
| 2949459 | Airbus Operations GmbH                                                                         | 28/05/2014 | 2949459 | 14170394.2 |        |

|         |                                                                                                               |            |         |            |        |
|---------|---------------------------------------------------------------------------------------------------------------|------------|---------|------------|--------|
| 2950084 | Coolen, Matheus J.M.                                                                                          | 28/05/2015 | 2950084 | 15169624.2 |        |
| 2950150 | Xerox Corporation                                                                                             | 08/05/2015 | 2950150 | 15167042.9 |        |
| 2950180 | Huawei Device Co., Ltd.                                                                                       | 24/01/2013 | 2950180 | 13873069.2 |        |
| 2952178 | ALLERGAN, INC.                                                                                                | 14/11/2005 | 2952178 | 15176046.9 |        |
| 2952462 | Saurer Spinning Solutions GmbH & Co. KG                                                                       | 06/05/2015 | 2952462 | 15001344.9 | German |
| 2952567 | Kao Corporation                                                                                               | 31/01/2014 | 2952567 | 14745566.1 |        |
| 2952881 | Hamamatsu Photonics K.K.                                                                                      | 17/09/2013 | 2952881 | 13873636.8 |        |
| 2953739 | Bang & Clean GmbH                                                                                             | 11/02/2014 | 2953739 | 14705470.4 | German |
| 2955495 | Servomex Group Limited                                                                                        | 18/03/2015 | 2955495 | 15159658.2 |        |
| 2955915 | LG Electronics Inc.                                                                                           | 10/06/2015 | 2955915 | 15171361.7 |        |
| 2956605 | Eldomat Innovative Sicherheit GmbH                                                                            | 18/07/2013 | 2956605 | 13785338.8 | German |
| 2957960 | Konica Minolta, Inc.                                                                                          | 15/06/2015 | 2957960 | 15172059.6 |        |
| 2959858 | Koh Young Technology Inc.<br>Industry-University Cooperation<br>Foundation Hanyang University ERICA<br>Campus | 18/02/2014 | 2959858 | 14753953.0 |        |
| 2960438 | MTU Aero Engines AG                                                                                           | 19/06/2015 | 2960438 | 15172844.1 | German |
| 2961127 | Avaya Inc.                                                                                                    | 27/03/2015 | 2961127 | 15161434.4 |        |
| 2961404 | Knopp Biosciences LLC                                                                                         | 28/02/2014 | 2961404 | 14757145.9 |        |
| 2961945 | United Technologies Corporation                                                                               | 28/02/2014 | 2961945 | 14756748.1 |        |
| 2961966 | Safran Aircraft Engines                                                                                       | 24/02/2014 | 2961966 | 14718637.3 | French |
| 2962438 | E.V. Offshore Limited                                                                                         | 28/02/2014 | 2962438 | 14711849.1 |        |
| 2962996 | Voltea B.V.                                                                                                   | 02/07/2014 | 2962996 | 14175475.4 |        |
| 2963412 | A & D Company, Limited                                                                                        | 28/02/2013 | 2963412 | 13876529.2 |        |
| 2964258 | Eli Lilly and Company                                                                                         | 04/03/2014 | 2964258 | 14761062.0 |        |
| 2964423 | Essilor International                                                                                         | 25/02/2014 | 2964423 | 14713184.1 | French |
| 2965486 | Google LLC                                                                                                    | 28/02/2014 | 2965486 | 14711376.5 |        |
| 2965786 | Kidde Technologies, Inc.                                                                                      | 10/07/2015 | 2965786 | 15176344.8 |        |
| 2965854 | ThyssenKrupp Steel Europe AG<br>thyssenkrupp AG                                                               | 08/07/2014 | 2965854 | 14176181.7 | German |
| 2966378 | LG Electronics Inc.                                                                                           | 06/07/2015 | 2966378 | 15175500.6 |        |
| 2966538 | Google LLC                                                                                                    | 07/07/2015 | 2966538 | 15175643.4 |        |
| 2966584 | Ricoh Company, Ltd.                                                                                           | 07/07/2015 | 2966584 | 15175697.0 |        |
| 2966712 | Shin-Etsu Chemical Co., Ltd.                                                                                  | 07/01/2014 | 2966712 | 14760542.2 |        |

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|---------|----------------------------------------------------------------------------------------------------------------------------------------------|------------|---------|------------|--------|
| 2967049 | Petasis, Nicos A.<br>Rodgers, Kathleen, E.<br>Louie, Stan G.<br>Dizerega, Gere, S.<br>Gaffney, Kevin J.<br>University Of Southern California | 15/03/2014 | 2967049 | 14763703.7 |        |
| 2967651 | JCBD, LLC                                                                                                                                    | 14/03/2014 | 2967651 | 14762759.0 |        |
| 2967799 | Osteoceramics, Inc.                                                                                                                          | 14/03/2014 | 2967799 | 14769965.6 |        |
| 2967962 | Cizeta Medicali France                                                                                                                       | 24/02/2014 | 2967962 | 14718635.7 | French |
| 2968296 | Tanzi, Rudolph E.<br>The Regents of the University of<br>California                                                                          | 12/03/2014 | 2968296 | 14779909.2 |        |
| 2969678 | Veoneer US, Inc.                                                                                                                             | 16/01/2014 | 2969678 | 14775196.0 |        |
| 2970653 | SABIC Global Technologies B.V.                                                                                                               | 13/03/2013 | 2970653 | 13878514.2 |        |
| 2970865 | Alder Biopharmaceuticals, Inc.                                                                                                               | 17/03/2014 | 2970865 | 14763076.8 |        |
| 2970971 | Shekdar, Kambiz                                                                                                                              | 13/03/2014 | 2970971 | 14770615.4 |        |
| 2971199 | Materion Corporation                                                                                                                         | 11/03/2014 | 2971199 | 14769653.8 |        |
| 2971728 | United Technologies Corporation                                                                                                              | 13/03/2014 | 2971728 | 14807682.1 |        |
| 2972399 | Beth Israel Deaconess Medical Center,<br>Inc.<br>President and Fellows of Harvard<br>College                                                 | 14/03/2014 | 2972399 | 14721662.6 |        |
| 2973281 | Verimatrix, Inc.                                                                                                                             | 11/03/2014 | 2973281 | 14768975.6 |        |
| 2973574 | Micron Technology, Inc.                                                                                                                      | 10/03/2014 | 2973574 | 14779178.4 |        |
| 2974015 | Qualcomm Incorporated                                                                                                                        | 07/03/2014 | 2974015 | 14713717.8 |        |
| 2974222 | Assa Abloy AB                                                                                                                                | 06/03/2014 | 2974222 | 14730579.1 |        |
| 2974634 | Scacco S.A.                                                                                                                                  | 07/07/2015 | 2974634 | 15175626.9 |        |
| 2974700 | Covidien LP                                                                                                                                  | 17/07/2015 | 2974700 | 15177233.2 |        |
| 2975270 | ALSTOM Transport Technologies                                                                                                                | 16/07/2015 | 2975270 | 15177160.7 | French |
| 2975386 | Sensirion AG                                                                                                                                 | 14/07/2014 | 2975386 | 14002419.1 |        |
| 2975490 | Samsung Electronics Co., Ltd.                                                                                                                | 14/07/2015 | 2975490 | 15176717.5 |        |
| 2975547 | Electronics and Telecommunications<br>Research Institute                                                                                     | 10/06/2015 | 2975547 | 15171427.6 |        |
| 2975814 | Semtech Corporation                                                                                                                          | 18/07/2014 | 2975814 | 14177644.3 |        |
| 2975856 | General Electric Company                                                                                                                     | 13/07/2015 | 2975856 | 15176459.4 |        |
| 2976819 | WIN MS                                                                                                                                       | 18/03/2014 | 2976819 | 14711492.0 | French |
| 2977129 | Wuhan University Of Technology                                                                                                               | 17/03/2014 | 2977129 | 14767900.5 |        |

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|---------|----------------------------------------------------------------|------------|---------|------------|--------|
| 2977198 | United Technologies Corporation                                | 22/07/2015 | 2977198 | 15177957.6 |        |
| 2978017 | IMEC VZW                                                       | 15/07/2015 | 2978017 | 15176745.6 |        |
|         | Samsung Electronics Co., Ltd.                                  |            |         |            |        |
| 2978074 | Hamilton Sundstrand Corporation                                | 22/07/2015 | 2978074 | 15177902.2 |        |
| 2979773 | Presswerk Krefeld GmbH & Co. KG                                | 30/07/2014 | 2979773 | 14179161.6 | German |
| 2979878 | Konica Minolta, Inc.                                           | 20/03/2014 | 2979878 | 14772890.1 |        |
| 2980008 | Mitsubishi Heavy Industries Machinery Systems, Ltd.            | 07/03/2014 | 2980008 | 14772888.5 |        |
| 2980254 | Garrett Transportation I Inc.                                  | 20/07/2015 | 2980254 | 15177505.3 |        |
| 2980415 | Panasonic Intellectual Property Management Co., Ltd.           | 03/02/2014 | 2980415 | 14775949.2 |        |
| 2980646 | GenISys GmbH                                                   | 30/07/2014 | 2980646 | 14002648.5 |        |
| 2980707 | Deutsche Telekom AG                                            | 31/07/2014 | 2980707 | 14179345.5 |        |
| 2980716 | Bio-rad Laboratories, Inc.                                     | 28/07/2015 | 2980716 | 15178622.5 |        |
| 2981248 | ALLERGAN, INC.                                                 | 14/03/2014 | 2981248 | 14727274.4 |        |
| 2981288 | Tulane University                                              | 03/04/2014 | 2981288 | 14779382.2 |        |
| 2981606 | University Health Network                                      | 02/04/2014 | 2981606 | 14778943.2 |        |
| 2981822 | Scholar Rock, Inc.                                             | 06/05/2014 | 2981822 | 14795041.4 |        |
| 2982023 | LCDrives Corp.                                                 | 31/03/2014 | 2982023 | 14778889.7 |        |
| 2982179 | Telefonaktiebolaget LM Ericsson (publ)                         | 05/04/2013 | 2982179 | 13722145.3 |        |
| 2982350 | Samsung Electronics Co., Ltd.                                  | 10/07/2015 | 2982350 | 15176195.4 |        |
| 2982402 | Terumo Kabushiki Kaisha                                        | 05/04/2013 | 2982402 | 13881154.2 |        |
| 2982500 | The Boeing Company                                             | 04/06/2015 | 2982500 | 15170664.5 |        |
| 2982727 | Showa Denko K.K.                                               | 27/03/2014 | 2982727 | 14778798.0 |        |
| 2982885 | Kubota Corporation                                             | 06/03/2015 | 2982885 | 15158042.0 |        |
| 2983169 | The Boeing Company                                             | 10/07/2015 | 2983169 | 15176346.3 |        |
| 2983590 | NeuroLogica Corporation                                        | 09/04/2014 | 2983590 | 14782465.0 |        |
| 2984298 | United Technologies Corporation                                | 06/02/2014 | 2984298 | 14810362.5 |        |
| 2984499 | Universität Ulm                                                | 07/04/2014 | 2984499 | 14715340.7 |        |
| 2985047 | Nemoto Kyorindo Co., Ltd.                                      | 10/04/2014 | 2985047 | 14782806.5 |        |
| 2985151 | Kao Corporation                                                | 07/04/2014 | 2985151 | 14783430.3 |        |
| 2985644 | Commissariat à l'Energie Atomique et aux Energies Alternatives | 07/08/2015 | 2985644 | 15180212.1 | French |
| 2985816 | LG Chem, Ltd.                                                  | 29/07/2014 | 2985816 | 14831897.5 |        |
| 2986392 | Finishing Brands Holdings Inc.                                 | 11/04/2014 | 2986392 | 14723956.0 |        |
| 2987326 | Nokia Technologies Oy                                          | 16/04/2014 | 2987326 | 14785343.6 |        |
| 2987827 | Johns Manville Europe GmbH                                     | 27/07/2015 | 2987827 | 15178483.2 |        |

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|---------------------|------------------------------------------------------------------------------|---------------------------------------------------------------|---------|-------------------|--------|
| 2988189             | eldoLAB Holding B.V.                                                         | 10/07/2009                                                    | 2988189 | 15178184.6        |        |
| 2990323             | PME MARE S.r.l.                                                              | 21/07/2015                                                    | 2990323 | 15002157.4        |        |
| 2990849             | Hamamatsu Photonics K.K.                                                     | 21/04/2014                                                    | 2990849 | 14787817.7        |        |
| 2992477             | Citrix Systems, Inc.                                                         | 16/04/2014                                                    | 2992477 | 14724962.7        |        |
| 2992908             | Osstemimplant Co., Ltd.                                                      | 24/09/2013                                                    | 2992908 | 13883807.3        |        |
| 2993827             | Bull S.A.S.                                                                  | 01/07/2015                                                    | 2993827 | 15174823.3        | French |
| 2994282             | Corning Incorporated                                                         | 30/04/2014                                                    | 2994282 | 14729145.4        |        |
| 2994789             | Steris Instrument Management Services, Inc.                                  | 07/05/2014                                                    | 2994789 | 14794632.1        |        |
| 2994802             | Volkswagen Aktiengesellschaft                                                | 06/05/2014                                                    | 2994802 | 14721410.0        | German |
| 2994804             | Sphero, Inc.                                                                 | 06/05/2014                                                    | 2994804 | 14795148.7        |        |
| 2995134             | Deutsche Telekom AG                                                          | 29/04/2014                                                    | 2995134 | 14720143.8        |        |
| 2995140             | Intel IP Corporation                                                         | 20/12/2013                                                    | 2995140 | 13884265.3        |        |
| 2995873             | LG Electronics Inc.                                                          | 07/09/2015                                                    | 2995873 | 15184052.7        |        |
| 2996235             | Fronius International GmbH                                                   | 07/09/2015                                                    | 2996235 | 15184084.0        | German |
| 2996240             | Kabushiki Kaisha Yaskawa Denki                                               | 09/05/2013                                                    | 2996240 | 13884163.0        |        |
| 2996791             | Mann + Hummel GmbH                                                           | 31/03/2014                                                    | 2996791 | 14714991.8        | German |
| 2996874             | Novacel                                                                      | 15/05/2014                                                    | 2996874 | 14729963.0        | French |
| 2997546             | Google LLC                                                                   | 14/05/2014                                                    | 2997546 | 14733776.0        |        |
| 2998368             | Allué Nualart, Enrique                                                       | 04/06/2015                                                    | 2998368 | 15802473.7        |        |
| 2999536             | Nederlandse Organisatie voor toegepast- natuurwetenschappelijk onderzoek TNO | 21/05/2014                                                    | 2999536 | 14729460.7        |        |
| 3000188             | Samsung Electronics Co., Ltd.                                                | 21/05/2014                                                    | 3000188 | 14801817.9        |        |
| 3000824             | Osaka University                                                             | 27/03/2014                                                    | 3000824 | 14773035.2        |        |
| 3001045             | TOGE Dübel GmbH & Co. KG                                                     | 14/09/2015                                                    | 3001045 | 15185019.5        | German |
| 3001148             | Samsung Electronics Co., Ltd.                                                | 23/09/2015                                                    | 3001148 | 15186482.4        |        |
| 3001472             | Fujifilm Corporation                                                         | 22/05/2014                                                    | 3001472 | 14801371.7        |        |
| 3002375             | Henkel AG & Co. KGaA                                                         | 13/03/2009                                                    | 3002375 | 15196532.4        | German |
| 3003704             | 3M Innovative Properties Company                                             | 02/06/2014                                                    | 3003704 | 14732808.2        |        |
| 3004050             | ROLIC Technologies AG                                                        | 22/05/2014                                                    | 3004050 | 14725993.1        |        |
| 3004595             | United Technologies Corporation                                              | 06/05/2014                                                    | 3004595 | 14807172.3        |        |
| 3004753             | Oxford University Innovation Limited                                         | 06/06/2014                                                    | 3004753 | 14730968.6        |        |
| 3004764             | Electrolux Home Products, Inc.                                               | 23/05/2014                                                    | 3004764 | 14735727.1        |        |
| 3005238             | Elbit Systems Land and C4I Ltd.                                              | 28/05/2014                                                    | 3005238 | 14808350.4        |        |
| 3005767             | Intel Corporation                                                            | 06/06/2014                                                    | 3005767 | 14807526.0        |        |
| 3005802             | Qualcomm Incorporated                                                        | 29/05/2014                                                    | 3005802 | 14737067.0        |        |

|         |                                                                                                                                                                                                              |            |         |            |        |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------|------------|--------|
| 3006553 | Corning Incorporated<br>Public University Corporation<br>Yokohama City University                                                                                                                            | 05/06/2014 | 3006553 | 14808113.6 |        |
| 3007655 | Orthosoft ULC                                                                                                                                                                                                | 11/06/2014 | 3007655 | 14811113.1 |        |
| 3007697 | INSERM (Institut National de la Santé<br>et de la Recherche Médicale)<br>Centre National de la Recherche<br>Scientifique (C.N.R.S.)<br>Universite de Nantes<br>Centre Hospitalier Universitaire De<br>Nantes | 13/06/2014 | 3007697 | 14732529.4 |        |
| 3007955 | W & D McCulloch Ltd.                                                                                                                                                                                         | 10/06/2014 | 3007955 | 14731340.7 |        |
| 3008345 | Nuovo Pignone S.r.l.                                                                                                                                                                                         | 11/06/2014 | 3008345 | 14730838.1 |        |
| 3008387 | United Technologies Corporation                                                                                                                                                                              | 13/06/2014 | 3008387 | 14847007.3 |        |
| 3008397 | Société Muller & Cie                                                                                                                                                                                         | 09/06/2014 | 3008397 | 14747848.1 | French |
| 3008873 | Alibaba Group Holding Limited                                                                                                                                                                                | 12/06/2014 | 3008873 | 14737420.1 |        |
| 3010147 | Analog Devices Global Unlimited<br>Company                                                                                                                                                                   | 14/10/2015 | 3010147 | 15189791.5 |        |
| 3010151 | Apple Inc.                                                                                                                                                                                                   | 14/10/2014 | 3010151 | 14188907.1 |        |
| 3010199 | Waterfall Security Solutions Ltd.                                                                                                                                                                            | 31/07/2015 | 3010199 | 15179410.4 |        |
| 3010370 | Ohmer, Benjamin                                                                                                                                                                                              | 11/06/2014 | 3010370 | 14733110.2 | German |
| 3011869 | Osung Duralumin Co., Ltd.                                                                                                                                                                                    | 09/04/2014 | 3011869 | 14813681.5 |        |
| 3012463 | Weber-Hydraulik GmbH                                                                                                                                                                                         | 02/10/2015 | 3012463 | 15188200.8 | German |
| 3014566 | Samsung Electronics Co., Ltd.                                                                                                                                                                                | 23/06/2014 | 3014566 | 14817641.5 |        |
| 3014663 | Universität Konstanz                                                                                                                                                                                         | 26/09/2013 | 3014663 | 13770893.9 | German |
| 3016523 | Washington University<br>Intercontinental Great Brands LLC                                                                                                                                                   | 01/07/2014 | 3016523 | 14820623.8 |        |
| 3016591 | General Electric Company                                                                                                                                                                                     | 03/07/2013 | 3016591 | 13770703.0 |        |
| 3017117 | Rass International B.V.                                                                                                                                                                                      | 04/07/2014 | 3017117 | 14742378.4 |        |
| 3017428 | Samsung Electronics Co., Ltd.                                                                                                                                                                                | 04/07/2014 | 3017428 | 14819625.6 |        |
| 3017468 | Rosenberger Hochfrequenztechnik<br>GmbH & Co. KG                                                                                                                                                             | 02/07/2014 | 3017468 | 14734743.9 |        |
| 3017539 | King Abdullah University of Science<br>and Technology                                                                                                                                                        | 03/07/2014 | 3017539 | 14809092.1 |        |
| 3018661 | Furukawa Electric Co. Ltd.                                                                                                                                                                                   | 29/07/2014 | 3018661 | 14834634.9 |        |
| 3018987 | AGCO CORPORATION                                                                                                                                                                                             | 10/07/2014 | 3018987 | 14747216.1 |        |
| 3019147 | Stepan Company                                                                                                                                                                                               | 08/07/2014 | 3019147 | 14742709.0 |        |

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| 3019154             | Alexza Pharmaceuticals, Inc.                                                                                            | 11/07/2014                                                    | 3019154 | 14822991.7        |        |
| 3019183             | Pandalis, Georgios                                                                                                      | 07/07/2014                                                    | 3019183 | 14738387.1        |        |
| 3019229             | Becton, Dickinson and Company                                                                                           | 08/07/2014                                                    | 3019229 | 14744248.7        |        |
| 3019662             | 4Silence B. V.                                                                                                          | 07/07/2014                                                    | 3019662 | 14741967.5        |        |
| 3019726             | United Technologies Corporation                                                                                         | 03/07/2014                                                    | 3019726 | 14823381.0        |        |
| 3019896             | Baker Hughes Holdings LLC                                                                                               | 10/07/2013                                                    | 3019896 | 13828893.1        |        |
| 3020064             | Bruker Daltonik GmbH                                                                                                    | 08/07/2014                                                    | 3020064 | 14750305.6        |        |
| 3020072             | Wing Aviation LLC                                                                                                       | 02/07/2014                                                    | 3020072 | 14850903.7        |        |
| 3020180             | Skyhook Wireless, Inc.                                                                                                  | 11/07/2014                                                    | 3020180 | 14747222.9        |        |
| 3020233             | Convida Wireless, LLC                                                                                                   | 11/07/2014                                                    | 3020233 | 14747218.7        |        |
| 3020444             | Goodman Co., Ltd.                                                                                                       | 08/07/2014                                                    | 3020444 | 14822799.4        |        |
| 3020863             | Qingdao Create Environment Control<br>Technology Co., Ltd.<br>China Railway Design Corporation                          | 10/07/2014                                                    | 3020863 | 14822882.8        |        |
| 3021139             | Airbus Defence and Space GmbH                                                                                           | 14/11/2014                                                    | 3021139 | 14003842.3        |        |
| 3021804             | MED-EL Elektromedizinische Geräte<br>GmbH                                                                               | 18/07/2014                                                    | 3021804 | 14826000.3        |        |
| 3021922             | Fisher & Paykel Healthcare Limited                                                                                      | 17/07/2014                                                    | 3021922 | 14826102.7        |        |
| 3022426             | Woodward, Inc.                                                                                                          | 18/07/2014                                                    | 3022426 | 14826768.5        |        |
| 3022560             | University of North Texas Health<br>Science Center at Fort Worth<br>Board of Regents, The University of<br>Texas System | 09/07/2014                                                    | 3022560 | 14822061.9        |        |
| 3022620             | AFRICAN OXYGEN LIMITED                                                                                                  | 18/07/2014                                                    | 3022620 | 14771375.4        |        |
| 3022635             | LG Electronics Inc.                                                                                                     | 07/07/2014                                                    | 3022635 | 14825654.8        |        |
| 3023044             | ELECTROSTAR GmbH                                                                                                        | 16/10/2015                                                    | 3023044 | 15002959.3        | German |
| 3024298             | Sony Corporation                                                                                                        | 11/07/2014                                                    | 3024298 | 14825701.7        |        |
| 3024408             | Brainlab AG                                                                                                             | 19/07/2013                                                    | 3024408 | 13739981.2        |        |
| 3024502             | Bioq Pharma Incorporated                                                                                                | 01/04/2015                                                    | 3024502 | 15831341.1        |        |
| 3024640             | SAFRAN                                                                                                                  | 21/07/2014                                                    | 3024640 | 14755866.2        | French |
| 3024717             | Bayerische Motoren Werke<br>Aktiengesellschaft                                                                          | 10/07/2014                                                    | 3024717 | 14738494.5        | German |
| 3024989             | ACO Severin Ahlmann GmbH & Co<br>Kommanditgesellschaft                                                                  | 16/07/2014                                                    | 3024989 | 14739184.1        | German |
| 3025039             | Cummins, Inc.                                                                                                           | 22/07/2014                                                    | 3025039 | 14829862.3        |        |
| 3025174             | Corning Optical Communications LLC                                                                                      | 22/07/2014                                                    | 3025174 | 14828701.4        |        |
| 3025400             | Atieva, Inc.                                                                                                            | 22/07/2014                                                    | 3025400 | 14829840.9        |        |

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| 3025739 | Fresenius Medical Care Holdings, Inc.                          | 30/07/2010 | 3025739 | 15199824.2 |        |
| 3025740 | Fresenius Medical Care Holdings, Inc.                          | 30/07/2010 | 3025740 | 15199828.3 |        |
| 3026155 | Murata Machinery, Ltd.                                         | 22/07/2013 | 3026155 | 13889988.5 |        |
| 3026781 | Makita Corporation                                             | 26/11/2015 | 3026781 | 15196590.2 |        |
| 3026829 | LG Electronics Inc.                                            | 28/07/2014 | 3026829 | 14829013.3 |        |
| 3027071 | JT International SA                                            | 15/07/2014 | 3027071 | 14739441.5 |        |
| 3027082 | Albéa Services                                                 | 24/07/2014 | 3027082 | 14742252.1 | French |
| 3027160 | Kimberly-Clark Worldwide, Inc.                                 | 26/06/2014 | 3027160 | 14832538.4 |        |
| 3027209 | Regeneron Pharmaceuticals, Inc.                                | 30/07/2014 | 3027209 | 14750421.1 |        |
| 3027320 | Atlas Genetics Limited                                         | 28/07/2014 | 3027320 | 14744944.1 |        |
| 3027442 | Renault S.A.S.                                                 | 11/07/2014 | 3027442 | 14755862.1 | French |
| 3027574 | Owens-Brockway Glass Container INC.                            | 24/06/2014 | 3027574 | 14740080.8 |        |
| 3027658 | UPM-Kymmene Corporation                                        | 29/07/2014 | 3027658 | 14750774.3 |        |
| 3027959 | Scolmore International Limited                                 | 29/07/2014 | 3027959 | 14750780.0 |        |
| 3028137 | Amazon Technologies, Inc.                                      | 29/07/2014 | 3028137 | 14832259.7 |        |
| 3028991 | Panasonic Intellectual Property Management Co., Ltd.           | 04/11/2015 | 3028991 | 15192909.8 |        |
| 3029686 | Sekisui Chemical Co., Ltd.                                     | 29/07/2014 | 3029686 | 14832327.2 |        |
| 3030225 | Genbiotech                                                     | 06/08/2014 | 3030225 | 14780586.5 | French |
| 3030228 | Quest Products, LLC                                            | 31/07/2014 | 3030228 | 14834998.8 |        |
| 3030429 | Bayerische Motoren Werke Aktiengesellschaft                    | 11/07/2014 | 3030429 | 14741547.5 | German |
| 3030609 | Kimberly-Clark Worldwide, Inc.                                 | 09/07/2014 | 3030609 | 14835104.2 |        |
| 3032237 | EXFO Inc.                                                      | 04/12/2015 | 3032237 | 15197936.6 |        |
| 3033645 | Carl Zeiss Microscopy GmbH                                     | 18/07/2014 | 3033645 | 14744022.6 | German |
| 3033680 | Oracle International Corporation                               | 31/03/2015 | 3033680 | 15719897.9 |        |
| 3034111 | Baxter International Inc. Baxter Healthcare S.A.               | 28/01/2010 | 3034111 | 16155327.6 |        |
| 3034513 | XBioTech, Inc                                                  | 12/07/2012 | 3034513 | 15196994.6 |        |
| 3035522 | Robert Bosch GmbH                                              | 07/12/2015 | 3035522 | 15198228.7 |        |
| 3035720 | Sony Corporation                                               | 11/07/2014 | 3035720 | 14836191.8 |        |
| 3036285 | PSMG LLC                                                       | 25/07/2014 | 3036285 | 14837357.4 |        |
| 3037702 | Samson AG                                                      | 22/12/2015 | 3037702 | 15201983.2 | German |
| 3038136 | Shin-Etsu Handotai Co., Ltd.                                   | 15/07/2014 | 3038136 | 14838255.9 |        |
| 3038160 | COMMISSARIAT À L'ÉNERGIE ATOMIQUE ET AUX ÉNERGIES ALTERNATIVES | 11/12/2015 | 3038160 | 15199594.1 | French |

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|---------------------|-------------------------------------------------------------------|---------------------------------------------------------------|---------|-------------------|--------|
| 3039564             | Samsung Electronics Co., Ltd.                                     | 16/07/2014                                                    | 3039564 | 14839079.2        |        |
| 3040711             | Commissariat à l'Energie Atomique et<br>aux Energies Alternatives | 04/01/2016                                                    | 3040711 | 16150013.7        | French |
| 3042845             | Rohr, Inc.                                                        | 07/01/2016                                                    | 3042845 | 16150434.5        |        |
| 3044235             | F.HOFFMANN-LA ROCHE AG                                            | 11/09/2014                                                    | 3044235 | 14761904.3        |        |
| 3044645             | South East Water Corporation                                      | 10/09/2014                                                    | 3044645 | 14843932.6        |        |
| 3045284             | Hosiden Corporation                                               | 25/07/2013                                                    | 3045284 | 16020020.0        |        |
| 3045603             | SCHÜCO International KG                                           | 29/12/2015                                                    | 3045603 | 15202943.5        | German |
| 3045669             | United Technologies Corporation                                   | 14/01/2016                                                    | 3045669 | 16151317.1        |        |
| 3045844             | Daikin Industries, Ltd.                                           | 16/09/2014                                                    | 3045844 | 14850437.6        |        |
| 3046068             | Xiaomi Inc.                                                       | 15/12/2015                                                    | 3046068 | 15200042.8        |        |
| 3046768             | Hewlett-Packard Development<br>Company, L.P.                      | 20/09/2013                                                    | 3046768 | 13893836.0        |        |
| 3047106             | United Technologies Corporation                                   | 12/09/2014                                                    | 3047106 | 14865153.2        |        |
| 3047300             | Valeo Schalter und Sensoren GmbH                                  | 10/09/2014                                                    | 3047300 | 14761995.1        | German |
| 3047593             | Telefonaktiebolaget LM Ericsson (publ)                            | 17/09/2013                                                    | 3047593 | 13776592.1        |        |
| 3047977             | Seiko Epson Corporation                                           | 26/01/2016                                                    | 3047977 | 16152799.9        |        |
| 3048309             | Mitsubishi Heavy Industries<br>Compressor Corporation             | 12/09/2014                                                    | 3048309 | 14845318.6        |        |
| 3049777             | Akzo Nobel Coatings International B.V.                            | 22/09/2014                                                    | 3049777 | 14771868.8        |        |
| 3050978             | Technip France                                                    | 30/01/2015                                                    | 3050978 | 15153255.3        |        |
| 3051942             | Kymab Limited                                                     | 01/10/2014                                                    | 3051942 | 14781635.9        |        |
| 3052300             | Ricoh Company, Ltd.                                               | 29/09/2014                                                    | 3052300 | 14848782.0        |        |
| 3053575             | Tohoku University                                                 | 03/10/2014                                                    | 3053575 | 14851001.9        |        |
| 3053885             | Metawater Co., Ltd.                                               | 16/09/2014                                                    | 3053885 | 14851305.4        |        |
| 3054066             | Cracco S.r.l.                                                     | 08/02/2016                                                    | 3054066 | 16154742.7        |        |
| 3054348             | LG Electronics Inc.                                               | 04/02/2016                                                    | 3054348 | 16154351.7        |        |
| 3054463             | Nitto Denko Corporation                                           | 18/09/2014                                                    | 3054463 | 14850354.3        |        |
| 3054818             | Kenwood Limited                                                   | 09/10/2014                                                    | 3054818 | 14790256.3        |        |
| 3054918             | Buzzz Pharmaceuticals Limited                                     | 07/10/2014                                                    | 3054918 | 14784423.7        |        |
| 3055412             | Seqirus UK Limited                                                | 07/10/2014                                                    | 3055412 | 14781529.4        |        |
| 3055563             | Eaton Corporation                                                 | 10/10/2014                                                    | 3055563 | 14790921.2        |        |
| 3055651             | TomTom Navigation B.V.                                            | 10/10/2014                                                    | 3055651 | 14781914.8        |        |
| 3055652             | TomTom Navigation B.V.                                            | 10/10/2014                                                    | 3055652 | 14781915.5        |        |
| 3057175             | NEC Corporation                                                   | 03/10/2014                                                    | 3057175 | 14852846.6        |        |
| 3057311             | LYNRED                                                            | 12/02/2016                                                    | 3057311 | 16155440.7        | French |

|         |                                                     |            |         |            |        |
|---------|-----------------------------------------------------|------------|---------|------------|--------|
| 3057797 | Hewlett-Packard Development Company, L.P.           | 14/10/2013 | 3057797 | 13774705.1 |        |
| 3057887 | Siemens Aktiengesellschaft                          | 14/10/2014 | 3057887 | 14786645.3 | German |
| 3058111 | Singh, Ashok Adrian                                 | 14/10/2014 | 3058111 | 14854794.6 |        |
| 3058618 | Yale University                                     | 15/10/2014 | 3058618 | 14854592.4 |        |
| 3058650 | Vitesco Technologies GmbH                           | 14/10/2014 | 3058650 | 14783887.4 | German |
| 3058728 | Qualcomm Incorporated                               | 14/10/2014 | 3058728 | 14790449.4 |        |
| 3059078 | Roither Maschinenbau Gesellschaft m.b.H.            | 25/01/2016 | 3059078 | 16152581.1 | German |
| 3059422 | Pratt & Whitney Canada Corp.                        | 22/02/2016 | 3059422 | 16156793.8 |        |
| 3060995 | Samsung Electronics Co., Ltd.                       | 21/10/2014 | 3060995 | 14855971.9 |        |
| 3062308 | The Boeing Company                                  | 15/02/2016 | 3062308 | 16155757.4 |        |
| 3062419 | Mitsubishi Electric Corporation                     | 22/10/2013 | 3062419 | 13895919.2 |        |
| 3063227 | Dow Silicones Corporation                           | 29/10/2014 | 3063227 | 14799279.6 |        |
| 3064298 | Sumitomo Electric Hardmetal Corp.                   | 19/09/2014 | 3064298 | 14857427.0 |        |
| 3064331 | Rolls-Royce plc                                     | 24/02/2016 | 3064331 | 16157159.1 |        |
| 3064642 | Kuraray Co., Ltd.                                   | 27/10/2014 | 3064642 | 14859053.2 |        |
| 3064759 | Delphi Technologies IP Limited                      | 01/02/2016 | 3064759 | 16153708.9 |        |
| 3064764 | MWI Micro Wave Ignition AG                          | 03/03/2015 | 3064764 | 15157298.9 | German |
| 3064806 | UMS Maschinenbau GmbH                               | 26/02/2016 | 3064806 | 16157654.1 | German |
| 3064956 | Shanghai Jiao Tong University                       | 24/03/2014 | 3064956 | 14814677.2 |        |
| 3065176 | Renesas Electronics Corporation                     | 02/03/2016 | 3065176 | 16158177.2 |        |
| 3065213 | Skyworks Solutions, Inc.                            | 04/03/2016 | 3065213 | 16158676.3 |        |
| 3065425 | Huawei Technologies Co., Ltd.                       | 25/11/2013 | 3065425 | 13897821.8 |        |
| 3065526 | Precision Planting LLC                              | 08/11/2014 | 3065526 | 14860202.2 |        |
| 3065763 | Generon (Shanghai) Corporation Ltd.                 | 06/11/2014 | 3065763 | 14860301.2 |        |
| 3066366 | Sew-Eurodrive GmbH & Co. KG                         | 21/10/2014 | 3066366 | 14792389.0 | German |
| 3066639 | Tencent Technology (Shenzhen) Company Limited       | 03/11/2014 | 3066639 | 14859776.8 |        |
| 3068277 | Samsung Electronics Co., Ltd.                       | 03/11/2014 | 3068277 | 14859609.1 |        |
| 3068580 | United Technologies Corporation                     | 14/11/2014 | 3068580 | 14861211.2 |        |
| 3069129 | Rheinisch-Westfälische Technische Hochschule Aachen | 13/11/2014 | 3069129 | 14812405.0 | German |
| 3069249 | Analog Devices, Inc.                                | 10/11/2014 | 3069249 | 14881157.3 |        |
| 3069304 | Thales Dis France SA                                | 10/11/2014 | 3069304 | 14796097.5 | French |
| 3069662 | Boston Scientific Scimed, Inc.                      | 16/09/2010 | 3069662 | 16160208.1 |        |
| 3069688 | Coloplast A/S                                       | 01/05/2013 | 3069688 | 16164169.1 |        |

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|---------|----------------------------------------------------------------------------------|------------|---------|------------|--------|
| 3071255 | HALKEY-ROBERTS CORPORATION                                                       | 18/11/2014 | 3071255 | 14862518.9 |        |
| 3071631 | King Abdullah University of Science and Technology                               | 20/11/2014 | 3071631 | 14864412.3 |        |
| 3071763 | Renson Sunprotection-Screens NV                                                  | 14/11/2014 | 3071763 | 14815027.9 |        |
| 3072854 | Panasonic Intellectual Property Management Co., Ltd.                             | 24/07/2014 | 3072854 | 14854888.6 |        |
| 3073189 | Goodrich Lighting Systems GmbH                                                   | 27/03/2015 | 3073189 | 15161380.9 |        |
| 3073603 | FDK Corporation                                                                  | 16/10/2014 | 3073603 | 14862080.0 |        |
| 3073670 | Black Gold Coin, Inc.                                                            | 27/03/2015 | 3073670 | 15161502.8 |        |
| 3073699 | SHENZHEN TCL NEW TECHNOLOGY CO., LTD                                             | 02/07/2014 | 3073699 | 14863586.5 |        |
| 3074425 | Hercules LLC                                                                     | 23/07/2014 | 3074425 | 14761433.3 |        |
| 3074559 | 3M Innovative Properties Company                                                 | 19/11/2014 | 3074559 | 14866568.0 |        |
| 3075141 | Schneider Electric Industries SAS                                                | 24/09/2014 | 3075141 | 14796184.1 | French |
| 3075450 | Korea Research Institute of Chemical Technology                                  | 26/11/2014 | 3075450 | 14866315.6 |        |
| 3075498 | Kai R & D Center Co., Ltd.                                                       | 26/11/2014 | 3075498 | 14865095.5 |        |
| 3075792 | Brother Kogyo Kabushiki Kaisha                                                   | 28/09/2015 | 3075792 | 15187200.9 |        |
| 3076437 | BOE Technology Group Co., Ltd.<br>Hefei BOE Optoelectronics Technology Co., Ltd. | 28/07/2015 | 3076437 | 15832664.5 |        |
| 3076976 | Gilead Sciences, Inc.                                                            | 03/12/2014 | 3076976 | 14821005.7 |        |
| 3077108 | Johnson Matthey Public Limited Company                                           | 02/12/2014 | 3077108 | 14827589.4 |        |
| 3077540 | Vanadis Diagnostics                                                              | 26/11/2014 | 3077540 | 14863080.9 |        |
| 3077678 | Valeo Systemes Thermiques                                                        | 02/12/2014 | 3077678 | 14808577.2 | French |
| 3078179 | Amazon Technologies, Inc.                                                        | 02/12/2014 | 3078179 | 14867468.2 |        |
| 3078247 | Schneider Electric USA, Inc.                                                     | 05/12/2013 | 3078247 | 13898832.4 |        |
| 3078405 | Pall Corporation                                                                 | 27/01/2016 | 3078405 | 16152963.1 |        |
| 3079720 | University of Rochester                                                          | 15/12/2014 | 3079720 | 14870387.9 |        |
| 3079793 | Mann+Hummel GmbH                                                                 | 04/12/2014 | 3079793 | 14812427.4 | German |
| 3080105 | ALLERGAN, INC.                                                                   | 10/12/2014 | 3080105 | 14824646.5 |        |
| 3080281 | 3Bar Biologics Inc.<br>The Ohio State Innovation Foundation                      | 10/12/2014 | 3080281 | 14869100.9 |        |
| 3080300 | Genapsys Inc.                                                                    | 10/12/2014 | 3080300 | 14869402.9 |        |
| 3080389 | Baker Hughes Holdings LLC                                                        | 04/12/2014 | 3080389 | 14869138.9 |        |

|         |                                                                                       |            |         |            |        |
|---------|---------------------------------------------------------------------------------------|------------|---------|------------|--------|
| 3080542 | Valeo Systemes Thermiques                                                             | 14/10/2014 | 3080542 | 14783865.0 | French |
| 3081084 | Rotam Agrochem International<br>Company Limited                                       | 16/04/2015 | 3081084 | 15163823.6 |        |
| 3081147 | Canon Kabushiki Kaisha                                                                | 17/06/2010 | 3081147 | 16166322.4 |        |
| 3081708 | HALFEN GmbH                                                                           | 18/04/2015 | 3081708 | 15001146.8 | German |
| 3082104 | NGK Insulators, Ltd.                                                                  | 31/03/2016 | 3082104 | 16163221.1 |        |
| 3083781 | Kimberly-Clark Worldwide, Inc.                                                        | 09/12/2014 | 3083781 | 14872876.9 |        |
| 3084016 | Neturen Co., Ltd.                                                                     | 17/12/2014 | 3084016 | 14827876.5 |        |
| 3084906 | Eaton Corporation                                                                     | 12/11/2014 | 3084906 | 14802578.6 |        |
| 3085421 | Huang, Qin                                                                            | 30/03/2016 | 3085421 | 16162965.4 |        |
| 3085967 | Kawasaki Jukogyo Kabushiki Kaisha                                                     | 26/11/2014 | 3085967 | 14871329.0 |        |
| 3086825 | novalung GmbH                                                                         | 15/05/2015 | 3086825 | 15723838.7 | German |
| 3086835 | Route 92 Medical, Inc.                                                                | 19/12/2014 | 3086835 | 14874492.3 |        |
| 3087493 | Intel Corporation                                                                     | 26/12/2013 | 3087493 | 13900154.9 |        |
| 3087894 | LG Electronics Inc.                                                                   | 04/03/2016 | 3087894 | 16158683.9 |        |
| 3088343 | Primetals Technologies Austria GmbH                                                   | 28/04/2015 | 3088343 | 15165425.8 | German |
| 3088952 | BOE Technology Group Co., Ltd.<br>Beijing BOE Optoelectronics<br>Technology Co., Ltd. | 04/07/2014 | 3088952 | 14833563.1 |        |
| 3089217 | BOE Technology Group Co., Ltd.                                                        | 10/04/2014 | 3089217 | 14859299.1 |        |
| 3089602 | Philip Morris Products S.A.                                                           | 18/12/2014 | 3089602 | 14812773.1 |        |
| 3091653 | Samsung Electronics Co., Ltd.                                                         | 06/02/2015 | 3091653 | 15749449.3 |        |
| 3091936 | Koninklijke Philips N.V.                                                              | 05/01/2015 | 3091936 | 15702307.8 |        |
| 3091988 | Société des Produits Nestlé S.A.                                                      | 09/01/2015 | 3091988 | 15701108.1 |        |
| 3092182 | Graphic Packaging International, LLC                                                  | 07/01/2015 | 3092182 | 15735521.5 |        |
| 3092373 | United Technologies Corporation                                                       | 17/12/2014 | 3092373 | 14885713.9 |        |
| 3092865 | Qualcomm Incorporated                                                                 | 09/01/2015 | 3092865 | 15703650.0 |        |
| 3092950 | HAMAMATSU PHOTONICS K.K.                                                              | 25/12/2012 | 3092950 | 16175928.7 |        |
| 3093191 | Trigano VDL                                                                           | 04/05/2016 | 3093191 | 16168374.3 | French |
| 3094853 | Delphi Technologies IP Limited                                                        | 25/11/2014 | 3094853 | 14806214.4 |        |
| 3094921 | Koekstone IP Pty Ltd                                                                  | 10/12/2014 | 3094921 | 14868887.2 |        |
| 3094947 | Sensia Netherlands B.V.                                                               | 23/10/2014 | 3094947 | 14878338.4 |        |
| 3095069 | Intel Corporation                                                                     | 14/01/2015 | 3095069 | 15702877.0 |        |
| 3095246 | Saronikos Trading and Services,<br>Unipessoal Lda                                     | 17/01/2014 | 3095246 | 14700716.5 |        |
| 3095907 | Saier, Michael<br>Saier, Beatrice                                                     | 18/05/2016 | 3095907 | 16001125.0 | German |

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|---------------------|------------------------------------------------------------------------|---------------------------------------------------------------|---------|-------------------|--------|
| 3096113             | Samsung Electronics Co., Ltd.                                          | 23/05/2016                                                    | 3096113 | 16170766.6        |        |
| 3096675             | EndoChoice, Inc.                                                       | 23/01/2015                                                    | 3096675 | 15740290.0        |        |
| 3096741             | Anjarium Biosciences AG                                                | 20/01/2015                                                    | 3096741 | 15701846.6        |        |
| 3096860             | MANN+HUMMEL GmbH                                                       | 20/01/2015                                                    | 3096860 | 15703232.7        | German |
| 3096884             | Farr, Reyndol Pat                                                      | 17/01/2015                                                    | 3096884 | 15740144.9        |        |
| 3097280             | Tour Engine, Inc.                                                      | 16/01/2015                                                    | 3097280 | 15736989.3        |        |
| 3097404             | IMEC VZW                                                               | 23/01/2015                                                    | 3097404 | 15701205.5        |        |
| 3098527             | MAICO Elektroapparate-Fabrik GmbH                                      | 01/03/2016                                                    | 3098527 | 16158064.2        | German |
| 3098611             | COMMISSARIAT À L'ÉNERGIE<br>ATOMIQUE ET AUX ÉNERGIES<br>ALTERNATIVES   | 26/05/2016                                                    | 3098611 | 16171483.7        | French |
| 3098713             | Altera Corporation                                                     | 19/04/2016                                                    | 3098713 | 16165911.5        |        |
| 3099349             | Zealand Pharma A/S                                                     | 28/01/2015                                                    | 3099349 | 15743263.4        |        |
| 3099379             | King Fahad Medical City (KFMC)                                         | 26/01/2015                                                    | 3099379 | 15701417.6        |        |
| 3099779             | LanzaTech New Zealand Limited                                          | 28/01/2015                                                    | 3099779 | 15743463.0        |        |
| 3099941             | Woodward, Inc.                                                         | 30/01/2015                                                    | 3099941 | 15703708.6        |        |
| 3100013             | Nokia Technologies Oy                                                  | 30/12/2014                                                    | 3100013 | 14880518.7        |        |
| 3100281             | 3M Innovative Properties Company                                       | 27/01/2015                                                    | 3100281 | 15740628.1        |        |
| 3101414             | Kabushiki Kaisha Pilot Corporation<br>Horiba Advanced Techno Co., Ltd. | 30/01/2015                                                    | 3101414 | 15743191.7        |        |
| 3101961             | ZTE Corporation                                                        | 18/06/2014                                                    | 3101961 | 14879922.4        |        |
| 3102586             | The Curators Of The University Of<br>Missouri                          | 03/02/2015                                                    | 3102586 | 15742578.6        |        |
| 3102601             | MedImmune, LLC                                                         | 05/02/2015                                                    | 3102601 | 15706091.4        |        |
| 3103677             | Belfield Furnishings Ltd                                               | 06/06/2016                                                    | 3103677 | 16275081.4        |        |
| 3104154             | Heraeus Electro-Nite International N.V.                                | 11/06/2015                                                    | 3104154 | 15171672.7        |        |
| 3106948             | Omron Corporation                                                      | 06/02/2015                                                    | 3106948 | 15746444.7        |        |
| 3107444             | Société Codesna                                                        | 17/02/2015                                                    | 3107444 | 15704805.9        | French |
| 3107486             | IMV Technologies                                                       | 20/02/2015                                                    | 3107486 | 15709286.7        | French |
| 3107711             | Massivit 3D Printing Technologies Ltd.                                 | 05/02/2015                                                    | 3107711 | 15751295.5        |        |
| 3107845             | BONINO S.p.A. con unico azionista                                      | 18/02/2014                                                    | 3107845 | 14723497.5        |        |
| 3107970             | Merck Patent GmbH                                                      | 19/01/2015                                                    | 3107970 | 15700640.4        |        |
| 3107991             | Deger, Oliver                                                          | 13/02/2015                                                    | 3107991 | 15714757.0        | German |
| 3109292             | AGC Inc.                                                               | 19/02/2015                                                    | 3109292 | 15752699.7        |        |
| 3109555             | Delavan, Inc.                                                          | 22/06/2016                                                    | 3109555 | 16175740.6        |        |
| 3109656             | Samsung Electronics Co., Ltd.                                          | 13/04/2016                                                    | 3109656 | 16165050.2        |        |
| 3110136             | Adimec Advanced Image Systems b.v.                                     | 23/06/2016                                                    | 3110136 | 16176029.3        |        |

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|---------|-------------------------------------------|------------|---------|------------|--------|
| 3110709 | Steele, Mark                              | 25/02/2015 | 3110709 | 15754954.4 |        |
| 3111166 | Atlantic Inertial Systems Limited         | 16/02/2015 | 3111166 | 15710550.3 |        |
| 3111317 | Google LLC                                | 24/02/2015 | 3111317 | 15752628.6 |        |
| 3111444 | Google LLC                                | 27/02/2015 | 3111444 | 15710664.2 |        |
| 3111883 | TCM                                       | 29/06/2016 | 3111883 | 16176883.3 | French |
| 3112041 | JFE Steel Corporation                     | 16/02/2015 | 3112041 | 15752150.1 |        |
| 3112127 | Magna Steyr Fahrzeugtechnik AG & Co KG    | 01/07/2015 | 3112127 | 15174774.8 | German |
| 3112782 | Wille, Frank                              | 01/07/2015 | 3112782 | 15174831.6 | German |
| 3113487 | LG Electronics, Inc.                      | 22/04/2011 | 3113487 | 16001590.5 |        |
| 3113717 | Nobel Biocare Services AG                 | 05/03/2015 | 3113717 | 15710139.5 |        |
| 3114545 | Volkswagen Aktiengesellschaft             | 07/03/2014 | 3114545 | 14709915.4 | German |
| 3115097 | Air-O-Filter Environment System, Inc.     | 06/07/2015 | 3115097 | 15175544.4 |        |
| 3115157 | Aktiebolaget SKF                          | 10/07/2015 | 3115157 | 15306137.9 |        |
| 3115738 | Safran Vectronix AG                       | 06/07/2015 | 3115738 | 15175416.5 | German |
| 3116090 | Deutsche Telekom AG                       | 04/07/2016 | 3116090 | 16177737.0 | German |
| 3116249 | Icom Incorporated                         | 25/12/2014 | 3116249 | 14884879.9 |        |
| 3117689 | OLEDWorks GmbH                            | 10/03/2015 | 3117689 | 15708524.2 |        |
| 3117981 | Graf Synergy S.r.l.                       | 08/07/2016 | 3117981 | 16178595.1 |        |
| 3118001 | Seiko Epson Corporation                   | 25/02/2015 | 3118001 | 15762123.6 |        |
| 3118570 | Kistler Holding AG                        | 04/07/2016 | 3118570 | 16177793.3 | German |
| 3118633 | MediaTek, Ltd.                            | 12/07/2016 | 3118633 | 16179123.1 |        |
| 3118982 | GE Energy Power Conversion Technology Ltd | 16/07/2015 | 3118982 | 15176969.2 |        |
| 3119271 | Razzberry Inc.                            | 20/03/2015 | 3119271 | 15764583.9 |        |
| 3119332 | Intuitive Surgical Operations, Inc.       | 17/03/2015 | 3119332 | 15765322.1 |        |
| 3120236 | Hewlett-Packard Development Company, L.P. | 07/07/2014 | 3120236 | 14886517.3 |        |
| 3120818 | Bertrand, Claude<br>Peillex, Pierre       | 20/07/2016 | 3120818 | 16180396.0 | French |
| 3120990 | Skylotec GmbH                             | 20/07/2016 | 3120990 | 16180311.9 | German |
| 3121298 | Rolls-Royce plc                           | 23/06/2016 | 3121298 | 16175973.3 |        |
| 3121450 | Sulzer Management AG                      | 09/06/2016 | 3121450 | 16173766.3 | German |
| 3122287 | ForSight Vision6, Inc.                    | 25/03/2015 | 3122287 | 15715928.6 |        |
| 3122871 | Cook Biotech Incorporated                 | 25/03/2015 | 3122871 | 15769922.4 |        |
| 3123269 | Intel Corporation                         | 29/03/2014 | 3123269 | 14887330.0 |        |
| 3123316 | Microsoft Technology Licensing, LLC       | 24/03/2015 | 3123316 | 15715060.8 |        |

|         |                                                                                                    |            |         |            |        |
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| 3123781 | Nokia Solutions and Networks Oy                                                                    | 28/03/2014 | 3123781 | 14723725.9 |        |
| 3123906 | Schwarz Kitchen Selection SA                                                                       | 31/05/2016 | 3123906 | 16172191.5 | German |
| 3124150 | Franz Haimer Maschinenbau KG                                                                       | 27/07/2016 | 3124150 | 16181456.1 | German |
| 3124153 | VOLLMER WERKE<br>MASCHINENFABRIK GMBH                                                              | 12/07/2016 | 3124153 | 16179005.0 | German |
| 3124384 | Honeywell International Inc.                                                                       | 19/07/2016 | 3124384 | 16180251.7 |        |
| 3124787 | Senvion GmbH                                                                                       | 21/07/2016 | 3124787 | 16180524.7 | German |
| 3125052 | Garrett Transportation I Inc.                                                                      | 31/07/2015 | 3125052 | 15179435.1 |        |
| 3125788 | H & M Innovations, LLC                                                                             | 04/04/2015 | 3125788 | 15773794.1 |        |
| 3126823 | Sonaxis S.A.<br>Nederlandse Organisatie voor<br>toegepast- natuurwetenschappelijk<br>onderzoek TNO | 31/03/2015 | 3126823 | 15719311.1 |        |
| 3126905 | Heliotrope Technologies, Inc.<br>The Regents of the University of<br>California                    | 27/03/2015 | 3126905 | 15774402.0 |        |
| 3127147 | Applied Materials, Inc.                                                                            | 05/04/2016 | 3127147 | 16785079.1 |        |
| 3127220 | Valeo Equipements Electriques Moteur                                                               | 27/03/2015 | 3127220 | 15716563.0 | French |
| 3127593 | Donaldson Company, Inc.                                                                            | 13/02/2007 | 3127593 | 16182449.5 |        |
| 3127598 | Kubota Corporation                                                                                 | 13/03/2015 | 3127598 | 15774485.5 |        |
| 3127750 | Fujitsu Ten Limited                                                                                | 19/02/2015 | 3127750 | 15772377.6 |        |
| 3127918 | Tianjin Yingshibo Technology<br>Development Co. Ltd.                                               | 18/07/2014 | 3127918 | 14887836.6 |        |
| 3128834 | Pellkofer, Rudolf<br>Gabrich, Donald                                                               | 25/02/2016 | 3128834 | 16707072.1 | German |
| 3129033 | IHG Pharmaco Limited                                                                               | 07/04/2015 | 3129033 | 15723547.4 |        |
| 3129082 | B. Braun Melsungen AG                                                                              | 08/04/2015 | 3129082 | 15713923.9 |        |
| 3129120 | INVENT Environmental Technologies,<br>Inc.                                                         | 31/03/2015 | 3129120 | 15714463.5 |        |
| 3129653 | Justus-Liebig-Universität Giessen                                                                  | 25/03/2015 | 3129653 | 15713161.6 | German |
| 3130853 | Rolls-Royce plc                                                                                    | 21/07/2016 | 3130853 | 16180528.8 |        |
| 3131016 | ebm-papst Mulfingen GmbH & Co. KG                                                                  | 27/07/2016 | 3131016 | 16181483.5 | German |
| 3131460 | Vivonics, Inc.                                                                                     | 06/01/2015 | 3131460 | 15780530.0 |        |
| 3131763 | Compagnie Générale des<br>Etablissements Michelin                                                  | 17/04/2015 | 3131763 | 15722089.8 | French |
| 3131887 | BASF SE                                                                                            | 08/04/2015 | 3131887 | 15713794.4 | German |
| 3132300 | tooz technologies GmbH                                                                             | 16/04/2015 | 3132300 | 15716801.4 | German |

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|---------|-----------------------------------------------------------|------------|---------|------------|--------|
| 3132823 | Covidien LP                                               | 29/07/2016 | 3132823 | 16181962.8 |        |
| 3133177 | Sumitomo Metal Mining Co., Ltd.                           | 27/03/2015 | 3133177 | 15780623.3 |        |
| 3133712 | Mitsubishi Electric Corporation                           | 18/04/2014 | 3133712 | 14889215.1 |        |
| 3134027 | Sirona Dental Systems GmbH                                | 23/04/2015 | 3134027 | 15723436.0 | German |
| 3134495 | Total Marketing Services                                  | 21/04/2015 | 3134495 | 15716841.0 | French |
| 3134585 | NWS Europa GmbH                                           | 20/04/2015 | 3134585 | 15719137.0 |        |
| 3135025 | Hewlett-Packard Development<br>Company, L.P.              | 25/04/2014 | 3135025 | 14723365.4 |        |
| 3135071 | Hewlett Packard Enterprise<br>Development LP              | 23/04/2015 | 3135071 | 15722320.7 |        |
| 3135084 | CommScope Technologies LLC<br>TE Connectivity Corporation | 24/04/2015 | 3135084 | 15783384.9 |        |
| 3135176 | Midwest Rubber Service & Supply<br>Company                | 25/08/2016 | 3135176 | 16185724.8 |        |
| 3135584 | Goodrich Corporation                                      | 18/07/2016 | 3135584 | 16179969.7 |        |
| 3135838 | Ceraloc Innovation AB                                     | 11/07/2012 | 3135838 | 16184205.9 |        |
| 3136648 | Xiaomi Inc.                                               | 07/07/2016 | 3136648 | 16178431.9 |        |
| 3136798 | LG Electronics Inc.                                       | 15/04/2015 | 3136798 | 15783747.7 |        |
| 3137240 | Soudronic AG                                              | 16/03/2015 | 3137240 | 15712037.9 | German |
| 3137988 | Qualcomm Incorporated                                     | 10/04/2015 | 3137988 | 15719929.0 |        |
| 3138147 | Saudi Arabian Oil Company                                 | 14/04/2015 | 3138147 | 15786282.2 |        |
| 3138224 | Apple Inc.                                                | 04/06/2015 | 3138224 | 15730010.4 |        |
| 3138427 | Shenzhen First Union Technology Co.,<br>Ltd.              | 24/11/2016 | 3138427 | 16200372.7 |        |
| 3138569 | Mitsui Sugar Co., Ltd.                                    | 26/01/2015 | 3138569 | 15785845.7 |        |
| 3138683 | Düspohl Maschinenbau GmbH                                 | 11/07/2016 | 3138683 | 16178800.5 | German |
| 3138725 | Hamilton Sundstrand Corporation                           | 29/07/2016 | 3138725 | 16181895.0 |        |
| 3139872 | Nea International B.V.                                    | 04/05/2015 | 3139872 | 15728209.6 |        |
| 3140491 | LORD Corporation                                          | 05/11/2014 | 3140491 | 14806764.8 |        |
| 3140807 | Intel Corporation                                         | 22/04/2015 | 3140807 | 15788822.3 |        |
| 3141007 | Deutsche Telekom AG                                       | 04/05/2015 | 3141007 | 15720713.5 |        |
| 3141047 | Intel IP Corporation                                      | 08/05/2015 | 3141047 | 15788846.2 |        |
| 3141094 | Samsung Electronics Co., Ltd.                             | 01/04/2015 | 3141094 | 15788760.5 |        |
| 3141408 | Volkswagen Aktiengesellschaft<br>Skoda Auto a.s.          | 09/09/2016 | 3141408 | 16001965.9 | German |
| 3141747 | Siemens Gamesa Renewable Energy<br>A/S                    | 08/09/2015 | 3141747 | 15184257.2 |        |

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|--------------|-----------------------------------------------------|---------------------------------------------------------------|---------|------------|--------|
| 3141976      | The Boeing Company                                  | 13/07/2016                                                    | 3141976 | 16179216.3 |        |
| 3142981      | Criaterra Innovations Ltd.                          | 13/05/2015                                                    | 3142981 | 15792543.9 |        |
| 3143004      | Mapi Pharma Limited                                 | 20/07/2014                                                    | 3143004 | 14892030.9 |        |
| 3143374      | Microchip Technology Incorporated                   | 15/05/2015                                                    | 3143374 | 15726817.8 |        |
| 3143765      | Sony Corporation                                    | 29/04/2015                                                    | 3143765 | 15814514.4 |        |
| 3143780      | Telefonaktiebolaget LM Ericsson (publ)              | 16/05/2014                                                    | 3143780 | 14892007.7 |        |
| 3144398      | Kabushiki Kaisha Toshiba                            | 30/07/2014                                                    | 3144398 | 16195574.5 |        |
| 3144996      | LG Display Co., Ltd.                                | 28/07/2016                                                    | 3144996 | 16181621.0 |        |
| 3145398      | Koninklijke Philips N.V.                            | 06/05/2015                                                    | 3145398 | 15719731.0 |        |
| 3145796      | Renault s.a.s                                       | 11/05/2015                                                    | 3145796 | 15724347.8 | French |
| 3146071      | F. Hoffmann-La Roche AG                             | 22/05/2015                                                    | 3146071 | 15727804.5 |        |
| 3146220      | Novanta Technologies UK Limited                     | 28/04/2015                                                    | 3146220 | 15720765.5 |        |
| 3146259      | Hubbell Incorporated                                | 22/05/2015                                                    | 3146259 | 15796793.6 |        |
| 3146621      | Qinetiq Limited                                     | 22/05/2015                                                    | 3146621 | 15727332.7 |        |
| 3146678      | Microsoft Technology Licensing, LLC                 | 26/06/2015                                                    | 3146678 | 15736135.3 |        |
| 3146814      | Patchbox GmbH                                       | 19/05/2015                                                    | 3146814 | 15728377.1 | German |
| 3147625      | Mitutoyo Corporation                                | 15/09/2016                                                    | 3147625 | 16188980.3 |        |
| 3147676      | Schneider Electric Industries SAS                   | 17/06/2016                                                    | 3147676 | 16174890.0 | French |
| 3147808      | Fuji Xerox Co., Ltd.                                | 07/01/2016                                                    | 3147808 | 16150368.5 |        |
| 3147831      | Sony Corporation                                    | 03/03/2015                                                    | 3147831 | 15796885.0 |        |
| 3148184      | Samsung Electronics Co., Ltd.                       | 19/07/2016                                                    | 3148184 | 16180160.0 |        |
| 3148541      | Universität Bern                                    | 28/05/2015                                                    | 3148541 | 15725041.6 |        |
| 3148766      | LEGO A/S                                            | 28/05/2015                                                    | 3148766 | 15799797.4 |        |
| 3148899      | INVINEO S.A.                                        | 01/06/2015                                                    | 3148899 | 15738568.3 | French |
| 3149206      | Philibert, Robert                                   | 28/05/2015                                                    | 3149206 | 15799243.9 |        |
| 3149316      | Scania CV AB                                        | 27/05/2015                                                    | 3149316 | 15735750.0 |        |
| 3149464      | Nanomedical Diagnostics Inc.                        | 16/04/2015                                                    | 3149464 | 15785860.6 |        |
| 3150110      | The General Hospital Corporation                    | 04/05/2007                                                    | 3150110 | 16190822.3 |        |
| 3150299      | Aichi Machine Industry Co., Ltd.                    | 25/02/2015                                                    | 3150299 | 15799236.3 |        |
| 3150664      | NOK Corporation                                     | 30/04/2015                                                    | 3150664 | 15789404.9 |        |
| 3150796      | Doosan Heavy Industries &<br>Construction Co., Ltd. | 27/07/2016                                                    | 3150796 | 16181480.1 |        |
| 3150926      | Koja Oy                                             | 30/09/2015                                                    | 3150926 | 15397533.9 |        |
| 3150936      | LTG Aktiengesellschaft                              | 30/09/2015                                                    | 3150936 | 15187721.4 | German |
| 3151445      | MediaTek Inc.                                       | 04/10/2016                                                    | 3151445 | 16192182.0 |        |
| 3151892      | LLT International (Ireland) Ltd.                    | 05/06/2015                                                    | 3151892 | 15803890.1 |        |
| 3152035      | 3D Systems, Inc.                                    | 09/06/2015                                                    | 3152035 | 15731186.1 |        |

|         |                                                                                           |            |         |            |        |
|---------|-------------------------------------------------------------------------------------------|------------|---------|------------|--------|
| 3152309 | Université Toulouse III-Paul Sabatier<br>Centre National de la Recherche<br>Scientifique  | 03/06/2015 | 3152309 | 15774647.0 | French |
| 3152469 | ZF Friedrichshafen AG                                                                     | 27/04/2015 | 3152469 | 15718235.3 | German |
| 3152674 | SICPA HOLDING SA                                                                          | 08/06/2015 | 3152674 | 15806046.7 |        |
| 3152869 | CrowdStrike, Inc.                                                                         | 01/06/2015 | 3152869 | 15802626.0 |        |
| 3153076 | Nissin Foods Holdings Co., Ltd.                                                           | 04/06/2014 | 3153076 | 14893843.4 |        |
| 3153136 | Otte, Christophe                                                                          | 05/10/2015 | 3153136 | 15306562.8 | French |
| 3153364 | Goodrich Corporation                                                                      | 05/10/2016 | 3153364 | 16192422.0 |        |
| 3154639 | University Of Hawaii                                                                      | 12/06/2015 | 3154639 | 15805995.6 |        |
| 3154738 | Robert Bosch GmbH                                                                         | 21/05/2015 | 3154738 | 15727580.1 | German |
| 3154807 | Schaeffler Technologies AG & Co. KG                                                       | 01/06/2015 | 3154807 | 15747376.0 | German |
| 3155052 | Dow Global Technologies LLC                                                               | 27/05/2015 | 3155052 | 15728983.6 |        |
| 3155306 | Reliance Worldwide Corporation<br>(Aust.) Pty. Ltd.                                       | 12/06/2015 | 3155306 | 15806286.9 |        |
| 3155331 | Liebherr-Hausgeräte Lienz GmbH<br>Liebherr-Hausgeräte Ochsenhausen<br>GmbH                | 11/06/2015 | 3155331 | 15730688.7 | German |
| 3155843 | ORANGE                                                                                    | 11/06/2015 | 3155843 | 15732853.5 | French |
| 3155927 | The Boeing Company                                                                        | 10/10/2016 | 3155927 | 16193053.2 |        |
| 3156216 | Collin Lab & Pilot Solutions GmbH                                                         | 13/10/2015 | 3156216 | 15002911.4 | German |
| 3156391 | Shanghai Syncores Technologies Inc.<br>Ltd.<br>Zhejiang Huahai Pharmaceutical Co.,<br>Ltd | 09/10/2015 | 3156391 | 15848178.8 |        |
| 3157897 | Avantium Knowledge Centre B.V.                                                            | 14/07/2014 | 3157897 | 14895127.0 |        |
| 3158266 | Air Products and Chemicals, Inc.                                                          | 23/06/2015 | 3158266 | 15733988.8 |        |
| 3158611 | Smiths Interconnect Americas, Inc.<br>Interconnect Devices, Inc.                          | 22/06/2015 | 3158611 | 15809841.8 |        |
| 3158682 | Alcatel Lucent                                                                            | 04/06/2015 | 3158682 | 15729709.4 |        |
| 3158783 | Conviva Wireless, LLC                                                                     | 23/06/2015 | 3158783 | 15738188.0 |        |
| 3159183 | Sumitomo Rubber Industries, Ltd.                                                          | 19/10/2016 | 3159183 | 16194565.4 |        |
| 3159272 | Yoshino Kogyosho Co., Ltd.                                                                | 30/11/2013 | 3159272 | 16197833.3 |        |
| 3159423 | JFE Steel Corporation                                                                     | 02/07/2015 | 3159423 | 15837725.9 |        |
| 3159714 | Mitsubishi Electric Corporation                                                           | 16/06/2015 | 3159714 | 15810325.9 |        |
| 3160354 | Frencken Europe B.v.                                                                      | 25/06/2015 | 3160354 | 15736675.8 |        |

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|---------|---------------------------------------------------------------------|------------|---------|------------|--------|
| 3160733 | SOCIETE D'EXTRUSION DU<br>POLYETHYLENE A. BARBIER ET<br>CIE         | 19/06/2015 | 3160733 | 15753383.7 | French |
| 3161496 | Elmos Semiconductor<br>Aktiengesellschaft                           | 30/06/2015 | 3161496 | 15733434.3 | German |
| 3162009 | The University Of Warwick                                           | 26/06/2015 | 3162009 | 15733500.1 |        |
| 3162811 | Soonchunhyang University Industry<br>Academy Cooperation Foundation | 27/05/2015 | 3162811 | 15814702.5 |        |
| 3163285 | South Dakota Board of Regents                                       | 25/10/2016 | 3163285 | 16195607.3 |        |
| 3163468 | Sony Corporation                                                    | 17/03/2015 | 3163468 | 15811486.8 |        |
| 3163697 | Lisa Dräxlmaier GmbH                                                | 29/10/2015 | 3163697 | 15192116.0 |        |
| 3163702 | Huawei Technologies Co., Ltd.                                       | 08/07/2015 | 3163702 | 15824464.0 |        |
| 3164052 | Covidien LP                                                         | 30/06/2015 | 3164052 | 15815581.2 |        |
| 3164179 | APTAR France SAS                                                    | 02/07/2015 | 3164179 | 15753090.8 | French |
| 3164279 | PSA Automobiles SA                                                  | 04/07/2014 | 3164279 | 14747966.1 | French |
| 3164348 | Serac Group                                                         | 01/07/2015 | 3164348 | 15733734.6 | French |
| 3164355 | Griffith University                                                 | 03/07/2015 | 3164355 | 15815018.5 |        |
| 3164588 | Safran Nacelles                                                     | 03/07/2015 | 3164588 | 15742367.4 | French |
| 3164675 | KONE Corporation                                                    | 04/07/2014 | 3164675 | 14896481.0 |        |
| 3164926 | Eaton Capital                                                       | 02/07/2015 | 3164926 | 15738137.7 |        |
| 3165205 | Atom Medical Corporation                                            | 02/11/2016 | 3165205 | 16196918.3 |        |
| 3165255 | BlueWind Medical Ltd.                                               | 02/11/2016 | 3165255 | 16196864.9 |        |
| 3165838 | J. Pichler Gesellschaft m.b.H.                                      | 09/11/2016 | 3165838 | 16197944.8 | German |
| 3165885 | Doosan Infracore Co., Ltd.                                          | 09/11/2016 | 3165885 | 16197963.8 |        |
| 3166049 | Baidu USA LLC                                                       | 03/11/2016 | 3166049 | 16197146.0 |        |
| 3166223 | Analog Devices Global Unlimited<br>Company                          | 06/10/2016 | 3166223 | 16192676.1 |        |
| 3166430 | Philip Morris Products S.A.                                         | 09/07/2015 | 3166430 | 15738044.5 |        |
| 3166659 | Fresenius Medical Care Deutschland<br>GmbH                          | 09/07/2015 | 3166659 | 15736198.1 | German |
| 3166905 | Ferro Corporation                                                   | 12/06/2015 | 3166905 | 15819341.7 |        |
| 3167321 | Commscope Technologies LLC                                          | 07/07/2015 | 3167321 | 15819276.5 |        |
| 3167395 | Yeda Research and Development Co.,<br>Ltd.                          | 06/07/2015 | 3167395 | 15748315.7 |        |
| 3167580 | Cisco Technology, Inc.                                              | 07/07/2015 | 3167580 | 15742163.7 |        |
| 3167644 | T-Mobile USA, Inc.                                                  | 07/07/2015 | 3167644 | 15819444.9 |        |

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| 3167665 | Hewlett Packard Enterprise<br>Development LP            | 30/07/2014 | 3167665 | 14898494.1 |        |
| 3167705 | GEGE Machinebouw B.V.                                   | 12/11/2015 | 3167705 | 15194318.0 |        |
| 3167913 | Jeon, Saewha                                            | 09/07/2015 | 3167913 | 15819565.1 |        |
| 3167953 | Hitachi Zosen Corporation                               | 06/07/2015 | 3167953 | 15818543.9 |        |
| 3168197 | Panasonic Intellectual Property<br>Management Co., Ltd. | 06/07/2015 | 3168197 | 15818136.2 |        |
| 3168990 | General Electric Technology GmbH                        | 19/10/2016 | 3168990 | 16194575.3 | French |
| 3169108 | Sharp Kabushiki Kaisha                                  | 03/07/2015 | 3169108 | 15818205.5 |        |
| 3169312 | BioCurity Pharmaceuticals Inc.                          | 17/07/2015 | 3169312 | 15822181.2 |        |
| 3169320 | Nutravis S.r.l.                                         | 17/07/2015 | 3169320 | 15760255.8 |        |
| 3169340 | Institut Gustave Roussy<br>Transgene SA                 | 16/07/2015 | 3169340 | 15738652.5 |        |
| 3169377 | M.A. Med Alliance SA                                    | 16/07/2015 | 3169377 | 15744824.2 |        |
| 3169573 | Aktiebolaget SKF                                        | 17/07/2014 | 3169573 | 14741281.1 |        |
| 3169691 | The Trustees Of The University Of<br>Pennsylvania       | 17/07/2015 | 3169691 | 15822761.1 |        |
| 3169703 | Abken, Hinrich<br>Hombach, Andreas                      | 16/07/2015 | 3169703 | 15738356.3 |        |
| 3169894 | Vestas Wind Systems A/S                                 | 02/07/2015 | 3169894 | 15736778.0 |        |
| 3170141 | 3M Innovative Properties Company                        | 14/07/2015 | 3170141 | 15822140.8 |        |
| 3170266 | Adtran, Inc.                                            | 15/07/2015 | 3170266 | 15747292.9 |        |
| 3170571 | JFE Steel Corporation                                   | 16/07/2015 | 3170571 | 15822635.7 |        |
| 3170722 | MAN Truck & Bus SE                                      | 18/11/2016 | 3170722 | 16002453.5 | German |
| 3171445 | UBE Industries, Ltd.                                    | 13/07/2015 | 3171445 | 15821448.6 |        |
| 3171658 | China Academy of Telecommunications<br>Technology       | 10/06/2015 | 3171658 | 15822724.9 |        |
| 3172282 | Henkel IP & Holding GmbH                                | 21/07/2015 | 3172282 | 15824029.1 |        |
| 3172293 | Ethridge, Edwin                                         | 15/07/2015 | 3172293 | 15824913.6 |        |
| 3172455 | Dayco IP Holdings, LLC                                  | 21/07/2015 | 3172455 | 15824367.5 |        |
| 3172479 | Honeywell International Inc.                            | 10/07/2015 | 3172479 | 15742458.1 |        |
| 3172510 | LG Electronics Inc.                                     | 15/07/2015 | 3172510 | 15824426.9 |        |
| 3172673 | VIA Alliance Semiconductor Co., Ltd.                    | 26/11/2014 | 3172673 | 14891592.9 |        |
| 3172772 | TDK Electronics AG                                      | 10/07/2015 | 3172772 | 15738051.0 | German |
| 3172827 | SEG Automotive Germany GmbH                             | 17/07/2015 | 3172827 | 15817765.9 | German |
| 3172881 | Telefonaktiebolaget LM Ericsson (publ)                  | 25/07/2014 | 3172881 | 14750814.7 |        |
| 3173245 | Fujitsu Component Limited                               | 22/07/2015 | 3173245 | 15824771.8 |        |

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|--------------|---------------------------------------------------|---------------------------------------------------------------|---------|------------|--------|
| 3173437      | Daicel Corporation                                | 22/07/2015                                                    | 3173437 | 15824809.6 |        |
| 3173446      | LIXIL Corporation                                 | 16/07/2015                                                    | 3173446 | 15821270.4 |        |
|              | Nippon Paint Automotive Coatings Co., Ltd.        |                                                               |         |            |        |
| 3173876      | ROLEX SA                                          | 26/11/2015                                                    | 3173876 | 15196613.2 | French |
| 3174439      | Patagonia, Inc.                                   | 28/07/2015                                                    | 3174439 | 15753526.1 |        |
| 3174540      | Massachusetts Eye & Ear Infirmary                 | 30/07/2015                                                    | 3174540 | 15827946.3 |        |
| 3174695      | Vestas Wind Systems A/S                           | 29/07/2015                                                    | 3174695 | 15744480.3 |        |
| 3174820      | Otis Elevator Company                             | 30/07/2015                                                    | 3174820 | 15757028.4 |        |
| 3174874      | Shenzhen Hightide Biopharmaceutical Ltd.          | 28/07/2015                                                    | 3174874 | 15826295.6 |        |
| 3174953      | Bambu Vault LLC                                   | 30/07/2015                                                    | 3174953 | 15826836.7 |        |
| 3174964      | Dow Global Technologies Llc                       | 23/07/2015                                                    | 3174964 | 15745709.4 |        |
|              | Total Marketing Services                          |                                                               |         |            |        |
| 3175230      | Life Safety Distribution GmbH                     | 23/07/2015                                                    | 3175230 | 15739297.8 |        |
| 3175326      | Hewlett-Packard Development Company, L.P.         | 30/07/2014                                                    | 3175326 | 14898553.4 |        |
| 3175431      | Intuit Inc.                                       | 28/07/2015                                                    | 3175431 | 15827701.2 |        |
| 3175507      | Nicoventures Holdings Limited                     | 24/07/2015                                                    | 3175507 | 15744313.6 |        |
| 3175778      | Tomey Corporation                                 | 23/09/2014                                                    | 3175778 | 16207461.1 |        |
| 3176134      | Furukawa Electric Co. Ltd.                        | 17/06/2015                                                    | 3176134 | 15827076.9 |        |
| 3176280      | JFE Steel Corporation                             | 23/07/2015                                                    | 3176280 | 15828109.7 |        |
| 3176329      | Dragados, S.A.                                    | 30/07/2014                                                    | 3176329 | 14898896.7 |        |
|              | Proes Consultores, S.A.                           |                                                               |         |            |        |
|              | Drace Infraestructuras S.A.                       |                                                               |         |            |        |
| 3176433      | Valeo Japan Co., Ltd.                             | 26/06/2015                                                    | 3176433 | 15812681.3 |        |
| 3176492      | Robert Bosch GmbH                                 | 28/11/2016                                                    | 3176492 | 16200843.7 | German |
| 3176592      | Panoramic Power Ltd.                              | 25/07/2016                                                    | 3176592 | 16181036.1 |        |
| 3176638      | Appotronics Corporation Limited                   | 08/07/2015                                                    | 3176638 | 15826666.8 |        |
| 3176797      | Hitachi Metals, Ltd.                              | 27/07/2015                                                    | 3176797 | 15827190.8 |        |
| 3179163      | Shandong Prosperous Star Optoelectronics Co., Ltd | 19/10/2016                                                    | 3179163 | 16194619.9 |        |
| 3180134      | Lisa Dräxlmaier GmbH                              | 30/07/2015                                                    | 3180134 | 15752950.4 | German |
| 3180213      | RENAULT s.a.s.                                    | 10/07/2015                                                    | 3180213 | 15756192.9 | French |
| 3180660      | Siemens Aktiengesellschaft                        | 25/09/2014                                                    | 3180660 | 14781487.5 |        |
| 3180698      | Micron Technology, Inc.                           | 29/07/2015                                                    | 3180698 | 15832199.2 |        |
| 3181004      | The North Face Apparel Corp.                      | 23/06/2016                                                    | 3181004 | 16203776.6 |        |

|         |                                                                                       |            |         |            |        |
|---------|---------------------------------------------------------------------------------------|------------|---------|------------|--------|
| 3181755 | Hohai University                                                                      | 25/09/2015 | 3181755 | 15903296.0 |        |
| 3181814 | Rolls-Royce Corporation                                                               | 16/12/2016 | 3181814 | 16204722.9 |        |
| 3181930 | Oiles Corporation                                                                     | 24/07/2015 | 3181930 | 15831453.4 |        |
| 3183729 | Fraunhofer-Gesellschaft zur Förderung<br>der angewandten Forschung e.V.               | 14/08/2015 | 3183729 | 15750069.5 |        |
| 3184189 | Familie Burger GbR                                                                    | 21/09/2016 | 3184189 | 16189926.5 | German |
| 3185110 | Starbreeze Paris                                                                      | 21/12/2016 | 3185110 | 16205902.6 | French |
| 3185971 | Reel-Tech Pty Ltd                                                                     | 30/07/2015 | 3185971 | 15827143.7 |        |
| 3187254 | Italmatch SC, LLC                                                                     | 30/12/2015 | 3187254 | 15203160.5 |        |
| 3187819 | NSD Corporation                                                                       | 25/08/2014 | 3187819 | 14900949.0 |        |
| 3188008 | Huawei Technologies Co., Ltd.                                                         | 02/07/2015 | 3188008 | 15837577.4 |        |
| 3188172 | BOE Technology Group Co., Ltd.<br>Beijing BOE Optoelectronics<br>Technology Co., Ltd. | 28/11/2014 | 3188172 | 14885060.5 |        |
| 3188179 | LG Display Co., Ltd.                                                                  | 29/12/2016 | 3188179 | 16207257.3 |        |
| 3188194 | Tsinghua University<br>Nuctech Company Limited                                        | 28/09/2016 | 3188194 | 16191080.7 |        |
| 3188230 | IMEC VZW                                                                              | 30/12/2015 | 3188230 | 15203217.3 |        |
| 3188879 | MAXIMA S.R.L.                                                                         | 28/07/2015 | 3188879 | 15750945.6 |        |
| 3189165 | ThyssenKrupp Federn und<br>Stabilisatoren GmbH<br>thyssenkrupp AG                     | 15/07/2015 | 3189165 | 15744893.7 | German |
| 3189592 | Microsoft Technology Licensing, LLC                                                   | 31/08/2015 | 3189592 | 15763704.2 |        |
| 3189743 | Chen, Chin-Chu                                                                        | 05/09/2014 | 3189743 | 14901138.9 |        |
| 3189969 | Ricoh Company, Ltd.                                                                   | 23/12/2016 | 3189969 | 16206764.9 |        |
| 3190664 | TE Connectivity Services GmbH                                                         | 02/01/2017 | 3190664 | 17150057.2 | French |
| 3192105 | SICPA HOLDING SA                                                                      | 30/07/2015 | 3192105 | 15744916.6 |        |
| 3192127 | Illinois Tool Works Inc.                                                              | 10/07/2015 | 3192127 | 15739753.0 |        |
| 3192305 | Telefonaktiebolaget LM Ericsson (publ)                                                | 11/09/2014 | 3192305 | 14901813.7 |        |
| 3192637 | Engelbreit & Sohn GmbH CNC-<br>Zerspannung                                            | 09/01/2017 | 3192637 | 17150712.2 | German |
| 3192690 | ZF Friedrichshafen AG                                                                 | 16/12/2016 | 3192690 | 16204622.1 | German |
| 3193094 | Belimo Holding AG                                                                     | 03/12/2014 | 3193094 | 17155414.0 |        |
| 3193332 | Nokia Technologies Oy                                                                 | 12/07/2012 | 3193332 | 17152782.3 |        |
| 3194161 | BASF SE                                                                               | 10/09/2015 | 3194161 | 15762604.5 |        |
| 3194371 | Agency for Science, Technology and<br>Research                                        | 15/09/2015 | 3194371 | 15842126.3 |        |

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| 3194784 | Atlas Copco Airpower, Naamloze Vennootschap                                                    | 21/09/2015 | 3194784 | 15801983.6 |        |
| 3194968 | The Board of Supervisors of Louisiana State University and Agricultural and Mechanical College | 31/07/2015 | 3194968 | 15753250.8 |        |
| 3195079 | EchoStar Technologies International Corporation                                                | 29/07/2015 | 3195079 | 15745182.4 |        |
| 3195190 | Valeo Schalter und Sensoren GmbH                                                               | 22/07/2015 | 3195190 | 15752933.0 | French |
| 3195411 | Illinois Tool Works Inc.                                                                       | 14/07/2015 | 3195411 | 15742486.2 |        |
| 3195606 | Qualcomm Incorporated                                                                          | 28/07/2015 | 3195606 | 15748397.5 |        |
| 3195692 | Bombardier Inc.                                                                                | 28/07/2015 | 3195692 | 15748311.6 |        |
| 3196921 | Fujikura, Ltd.                                                                                 | 10/09/2015 | 3196921 | 15841522.4 |        |
| 3197229 | China Academy of Telecommunications Technology                                                 | 14/10/2015 | 3197229 | 15856180.3 |        |
| 3197413 | Carbouw B.V.                                                                                   | 25/09/2015 | 3197413 | 15820655.7 |        |
| 3197519 | Fresenius Medical Care Holdings, Inc.                                                          | 28/07/2015 | 3197519 | 15747926.2 |        |
| 3199665 | National University Corporation Yokohama National University<br>De Nora Permelec Ltd.          | 18/09/2015 | 3199665 | 15845341.5 |        |
| 3200036 | Quadient Technologies France                                                                   | 30/01/2017 | 3200036 | 17153738.4 |        |
| 3200149 | Diehl Defence GmbH & Co. KG                                                                    | 10/01/2017 | 3200149 | 17000039.2 | German |
| 3200250 | Toshiba Hokuto Electronics Corp.                                                               | 18/09/2015 | 3200250 | 15845234.2 |        |
| 3200277 | Peraso Technologies Inc.                                                                       | 30/01/2017 | 3200277 | 17153770.7 |        |
| 3200556 | Kyocera Corporation                                                                            | 15/09/2015 | 3200556 | 15844155.0 |        |
| 3200590 | Auburn University                                                                              | 30/09/2015 | 3200590 | 15778849.8 |        |
| 3200686 | Medwear B.v.                                                                                   | 01/10/2015 | 3200686 | 15818081.0 |        |
| 3200749 | Polypid Ltd.                                                                                   | 27/09/2015 | 3200749 | 15847956.8 |        |
| 3200770 | Council of Scientific and Industrial Research                                                  | 29/09/2015 | 3200770 | 15787314.2 |        |
| 3202245 | Precision Planting LLC                                                                         | 25/07/2013 | 3202245 | 17161683.2 |        |
| 3202535 | Shanghai Easy-Use Tools Enterprise Co. Ltd.                                                    | 11/02/2015 | 3202535 | 15843068.6 |        |
| 3202616 | Sensirion Automotive Solutions AG                                                              | 03/02/2016 | 3202616 | 16154134.7 |        |
| 3203166 | LG Electronics Inc.                                                                            | 22/11/2016 | 3203166 | 16199986.7 |        |
| 3203783 | NEC Corporation                                                                                | 03/09/2015 | 3203783 | 15847572.3 |        |
| 3204346 | Council of Scientific and Industrial Research                                                  | 07/10/2015 | 3204346 | 15801283.1 |        |

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| 3204420 | The United States of America, as<br>represented by The Secretary,<br>Department of Health and Human<br>Services                                                                                                                                                                       | 09/10/2015 | 3204420 | 15788253.1 |        |
| 3204683 | United Technologies Corporation                                                                                                                                                                                                                                                       | 07/10/2014 | 3204683 | 14815941.1 |        |
| 3204865 | Sedonasys Systems Ltd.                                                                                                                                                                                                                                                                | 06/10/2015 | 3204865 | 15849161.3 |        |
| 3205143 | Nokia Solutions and Networks Oy                                                                                                                                                                                                                                                       | 29/09/2015 | 3205143 | 15774578.7 |        |
| 3205204 | PÖTTINGER Landtechnik GmbH                                                                                                                                                                                                                                                            | 08/02/2017 | 3205204 | 17155164.1 | German |
| 3205579 | Thompson Aero Seating Limited                                                                                                                                                                                                                                                         | 09/02/2017 | 3205579 | 17155507.1 |        |
| 3205835 | United Technologies Corporation                                                                                                                                                                                                                                                       | 10/02/2017 | 3205835 | 17155683.0 |        |
| 3205849 | United Technologies Corporation                                                                                                                                                                                                                                                       | 13/02/2017 | 3205849 | 17155798.6 |        |
| 3206117 | Samsung Electronics Co., Ltd.                                                                                                                                                                                                                                                         | 31/07/2015 | 3206117 | 17162763.1 |        |
| 3206583 | Samsung Electronics Co., Ltd.                                                                                                                                                                                                                                                         | 14/10/2015 | 3206583 | 15850258.3 |        |
| 3207291 | Jaguar Land Rover Limited                                                                                                                                                                                                                                                             | 08/10/2015 | 3207291 | 15775229.6 |        |
| 3207389 | Stiftelsen Sintef<br>University of Split Faculty of Electrical<br>Engineering<br>Dantherm Power A/S<br>Electricité de France<br>ECOLE NATIONALE SUPERIEURE<br>DE MECANIQUE ET DES<br>MICROTECHNIQUES<br>Zentrum für Sonnenenergie- und<br>Wasserstoff-Forschung Baden-<br>Württemberg | 16/10/2015 | 3207389 | 15787914.9 |        |
| 3207392 | Koninklijke Philips N.V.                                                                                                                                                                                                                                                              | 02/10/2015 | 3207392 | 15771648.1 |        |
| 3207485 | Qualcomm Incorporated                                                                                                                                                                                                                                                                 | 24/09/2015 | 3207485 | 15781198.5 |        |
| 3207490 | Avery Dennison Retail Information<br>Services, LLC                                                                                                                                                                                                                                    | 13/10/2015 | 3207490 | 15785008.2 |        |
| 3207548 | Siemens Aktiengesellschaft                                                                                                                                                                                                                                                            | 19/11/2015 | 3207548 | 15797325.6 | German |
| 3207637 | National Instruments Corporation                                                                                                                                                                                                                                                      | 12/10/2015 | 3207637 | 15787792.9 |        |
| 3208068 | General Electric Company                                                                                                                                                                                                                                                              | 13/02/2017 | 3208068 | 17155840.6 |        |
| 3208391 | Uponor Innovation AB                                                                                                                                                                                                                                                                  | 15/02/2017 | 3208391 | 17156297.8 | German |
| 3208394 | HeSan GmbH                                                                                                                                                                                                                                                                            | 17/02/2017 | 3208394 | 17000263.8 | German |
| 3208459 | Zhuzhou Times New Material<br>Technology Co., Ltd.                                                                                                                                                                                                                                    | 18/03/2015 | 3208459 | 15850951.3 |        |
| 3208523 | Sim Lighting Design Company Limited                                                                                                                                                                                                                                                   | 15/10/2015 | 3208523 | 15851506.4 |        |

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|--------------|--------------------------------------------------|---------------------------------------------------------------|---------|------------|--------|
| 3209176      | Techtronic Industries Company Limited            | 15/10/2015                                                    | 3209176 | 15785026.4 |        |
| 3210183      | Baxter Corporation Englewood                     | 26/10/2015                                                    | 3210183 | 15852627.7 |        |
| 3211144      | Nikles Tec Italia S.r.l.                         | 28/02/2017                                                    | 3211144 | 17158366.9 |        |
| 3211690      | AutoNetworks Technologies, Ltd.                  | 20/10/2015                                                    | 3211690 | 15852731.7 |        |
|              | Sumitomo Wiring Systems, Ltd.                    |                                                               |         |            |        |
|              | Sumitomo Electric Industries, Ltd.               |                                                               |         |            |        |
| 3211742      | ABB Schweiz AG                                   | 24/02/2017                                                    | 3211742 | 17157842.0 |        |
| 3211818      | Samsung Electronics Co., Ltd.                    | 19/09/2008                                                    | 3211818 | 17165821.4 |        |
| 3212120      | Sirona Dental Systems GmbH                       | 29/10/2015                                                    | 3212120 | 15794844.9 | German |
| 3212706      | 3M Innovative Properties Company                 | 31/10/2014                                                    | 3212706 | 14905017.1 |        |
| 3212807      | 10X Genomics, Inc.                               | 29/10/2015                                                    | 3212807 | 15793990.1 |        |
| 3213255      | Yooz                                             | 27/10/2015                                                    | 3213255 | 15808699.1 | French |
| 3213516      | Hewlett-Packard Development Company, L.P.        | 31/10/2014                                                    | 3213516 | 14904913.2 |        |
| 3213594      | HFI Innovation Inc.                              | 05/02/2016                                                    | 3213594 | 16746148.2 |        |
| 3214170      | Dezawa, Mari                                     | 15/07/2010                                                    | 3214170 | 17163323.3 |        |
|              | Fujiyoshi, Yoshinori                             |                                                               |         |            |        |
|              | Nabeshima, Youichi                               |                                                               |         |            |        |
|              | Wakao, Shohei                                    |                                                               |         |            |        |
|              | Kitada, Masaaki                                  |                                                               |         |            |        |
| 3214382      | Gree Electric Appliances, Inc. of Zhuhai         | 14/04/2015                                                    | 3214382 | 15855333.9 |        |
| 3214805      | Huawei Technologies Co., Ltd.                    | 28/11/2014                                                    | 3214805 | 14906674.8 |        |
| 3214896      | NGK SPARK PLUG CO., LTD.                         | 29/10/2015                                                    | 3214896 | 15855716.5 |        |
| 3216306      | Telefonaktiebolaget LM Ericsson (publ)           | 07/11/2014                                                    | 3216306 | 14799706.8 |        |
| 3216840      | The Chemours Company FC, LLC                     | 31/10/2006                                                    | 3216840 | 17165595.4 |        |
| 3216981      | Honeywell International Inc.                     | 01/02/2017                                                    | 3216981 | 17154282.2 |        |
| 3217336      | Rigetti & Co., Inc.                              | 31/01/2017                                                    | 3217336 | 17153888.7 |        |
| 3217923      | Alcon Inc.                                       | 15/10/2015                                                    | 3217923 | 15791071.2 |        |
| 3218108      | Genmark Diagnostics Inc.                         | 10/11/2015                                                    | 3218108 | 15797764.6 |        |
| 3218112      | Cytoskeleton, Inc.                               | 14/11/2014                                                    | 3218112 | 14905798.6 |        |
| 3218325      | GENICORE SPOLKA Z OGRANICZONA ODPOWIEDZIALNOSCIA | 03/11/2015                                                    | 3218325 | 15805621.8 |        |
| 3218630      | BSH Hausgeräte GmbH                              | 29/10/2015                                                    | 3218630 | 15797434.6 | German |
| 3218710      | In-Situ, Inc.                                    | 10/11/2015                                                    | 3218710 | 15859417.6 |        |
| 3218929      | GE Aviation Systems LLC                          | 12/11/2015                                                    | 3218929 | 15798645.6 |        |

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|---------|---------------------------------------------|------------|---------|------------|--------|
| 3219103 | Google LLC                                  | 06/11/2015 | 3219103 | 15801022.3 |        |
| 3219315 | Hernández Miramontes, Jorge Antonio         | 04/11/2015 | 3219315 | 15886606.1 |        |
| 3219468 | Bridgestone Corporation                     | 06/11/2015 | 3219468 | 15859140.4 |        |
| 3219499 | Seiko Epson Corporation                     | 09/03/2017 | 3219499 | 17160019.0 |        |
| 3219539 | TOYOTA JIDOSHA KABUSHIKI<br>KAISHA          | 09/03/2017 | 3219539 | 17160187.5 |        |
| 3219812 | Agilent Technologies, Inc.                  | 27/05/2009 | 3219812 | 17150792.4 |        |
| 3220555 | Gogo LLC                                    | 05/03/2009 | 3220555 | 17169040.7 |        |
| 3220637 | Clarion Co., Ltd.                           | 24/09/2015 | 3220637 | 15859559.5 |        |
| 3220909 | Antecip Bioventures II LLC                  | 01/05/2015 | 3220909 | 15861189.7 |        |
| 3220914 | Rhode Island Hospital                       | 17/11/2015 | 3220914 | 15861300.0 |        |
| 3221346 | Bristol-Myers Squibb Company                | 19/11/2015 | 3221346 | 15804282.0 |        |
| 3221356 | F.HOFFMANN-LA ROCHE AG                      | 17/11/2015 | 3221356 | 15797970.9 |        |
| 3222025 | Evidian                                     | 18/11/2015 | 3222025 | 15816488.9 | French |
| 3222638 | Mitsui Chemicals, Inc.                      | 18/11/2015 | 3222638 | 15861386.9 |        |
| 3223092 | BEET, Inc.                                  | 08/05/2015 | 3223092 | 17171918.0 |        |
| 3223585 | BSH Hausgeräte GmbH                         | 24/02/2017 | 3223585 | 17157771.1 | German |
| 3223640 | FEETKIT                                     | 24/09/2015 | 3223640 | 15788102.0 | French |
| 3223747 | Aytu BioScience, Inc.                       | 24/11/2015 | 3223747 | 15862884.2 |        |
| 3224484 | Robert Bosch GmbH                           | 20/11/2015 | 3224484 | 15798064.0 | German |
| 3224898 | Huawei Technologies Co. Ltd.                | 01/12/2015 | 3224898 | 15864896.4 |        |
| 3225113 | Brigham Young University                    | 13/03/2013 | 3225113 | 17152231.1 |        |
| 3225247 | 3M Innovative Properties Company            | 26/05/2011 | 3225247 | 16207113.8 |        |
| 3225315 | ViscoTec Pumpen- und Dosiertechnik<br>GmbH  | 01/04/2016 | 3225315 | 16163483.7 | German |
| 3225376 | Wirthwein AG                                | 30/03/2016 | 3225376 | 16162762.5 | German |
| 3225398 | BROTHER KOGYO KABUSHIKI<br>KAISHA           | 29/03/2017 | 3225398 | 17163677.2 |        |
| 3225510 | Beijing Xiaomi Mobile Software Co.,<br>Ltd. | 07/11/2016 | 3225510 | 16197457.1 |        |
| 3226458 | ZTE Corporation                             | 30/07/2015 | 3226458 | 15874849.1 |        |
| 3226618 | Intel IP Corporation                        | 27/09/2013 | 3226618 | 17168695.9 |        |
| 3226653 | LG Electronics Inc.                         | 28/03/2017 | 3226653 | 17163280.5 |        |
| 3227537 | Renault S.A.S.                              | 18/11/2015 | 3227537 | 15805594.7 | French |
| 3228062 | ARRIS Global Ltd.                           | 26/11/2015 | 3228062 | 15813896.6 |        |
| 3228178 | Forage Innovations B.V.                     | 22/03/2017 | 3228178 | 17162239.2 |        |
| 3228302 | Kao Corporation                             | 17/11/2015 | 3228302 | 15865763.5 |        |

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| 3228455      | AGC Inc.                                                                           | 24/03/2017                                                    | 3228455 | 17000497.2 |        |
| 3228620      | Meiji Seika Pharma Co., Ltd.                                                       | 04/12/2015                                                    | 3228620 | 15866317.9 |        |
| 3228790      | BUVA RATIONELE<br>BOUWPRODUKTEN BV                                                 | 04/04/2017                                                    | 3228790 | 17164742.3 |        |
| 3228802      | Nien Made Enterprise Co., Ltd.                                                     | 16/01/2017                                                    | 3228802 | 17151650.3 |        |
| 3228863      | CSIC Haizhuang Windpower Co., Ltd.                                                 | 25/02/2016                                                    | 3228863 | 16816934.0 |        |
| 3228975      | Gree Green Refrigeration Technology<br>Center Co. Ltd. of Zhuhai                   | 06/07/2015                                                    | 3228975 | 15865847.6 |        |
| 3229165      | BlackBerry Limited                                                                 | 30/03/2017                                                    | 3229165 | 17163976.8 |        |
| 3229440      | Nokia Solutions and Networks Oy                                                    | 30/06/2005                                                    | 3229440 | 17168417.8 |        |
| 3230068      | Funai Electric Co., Ltd.                                                           | 07/12/2015                                                    | 3230068 | 15868529.7 |        |
| 3230097      | Valeo Systemes Thermiques                                                          | 24/11/2015                                                    | 3230097 | 15798442.8 | French |
| 3230237      | Lummus Technology LLC                                                              | 27/10/2015                                                    | 3230237 | 15868355.7 |        |
| 3230276      | Celgene International II Sarl                                                      | 10/12/2015                                                    | 3230276 | 15819971.1 |        |
| 3230303      | 3-D Matrix, Ltd.                                                                   | 11/12/2015                                                    | 3230303 | 15819990.1 |        |
| 3230920      | Università degli Studi di Padova                                                   | 10/12/2015                                                    | 3230920 | 15825830.1 |        |
| 3231196      | Dolby Laboratories Licensing<br>Corporation                                        | 10/12/2015                                                    | 3231196 | 15823426.0 |        |
| 3231971      | MAN Truck & Bus SE                                                                 | 07/04/2017                                                    | 3231971 | 17000598.7 | German |
| 3232066      | Bosch Termoteknik Isitma ve Klima<br>sanayi Ticaret Anonim Sirketi                 | 11/04/2016                                                    | 3232066 | 16164628.6 | German |
| 3232181      | Sony Corporation                                                                   | 30/09/2015                                                    | 3232181 | 15866785.7 |        |
| 3232216      | GS Yuasa International Ltd.                                                        | 08/12/2015                                                    | 3232216 | 15867915.9 |        |
| 3232558      | Huawei Technologies Co. Ltd.                                                       | 01/07/2015                                                    | 3232558 | 15874813.7 |        |
| 3233133      | Bracco Imaging S.p.A.                                                              | 18/12/2015                                                    | 3233133 | 15817811.1 |        |
| 3233562      | Bentley Motors Limited                                                             | 16/12/2015                                                    | 3233562 | 15823736.2 |        |
| 3234412      | Audi AG                                                                            | 17/12/2015                                                    | 3234412 | 15817232.0 | German |
| 3234497      | Greer Steel Company                                                                | 16/12/2015                                                    | 3234497 | 15870942.8 |        |
| 3235092      | Carver Scientific, Inc.                                                            | 15/12/2015                                                    | 3235092 | 15820400.8 |        |
| 3235553      | Clarcor Engine Mobile Solutions, LLC                                               | 23/12/2009                                                    | 3235553 | 17170047.9 |        |
| 3235702      | POMA                                                                               | 04/04/2017                                                    | 3235702 | 17164698.7 | French |
| 3235830      | Jiangsu Hengrui Medicine Co., Ltd.<br>Shanghai Hengrui Pharmaceutical Co.,<br>Ltd. | 17/11/2015                                                    | 3235830 | 15869151.9 |        |
| 3236088      | Habermas GmbH                                                                      | 21/04/2017                                                    | 3236088 | 17167464.1 | German |
| 3236814      | Whirlpool Corporation                                                              | 24/12/2014                                                    | 3236814 | 14908725.6 |        |
| 3236990      | Ares Trading S.A.                                                                  | 17/12/2015                                                    | 3236990 | 15813418.9 |        |

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|---------|-----------------------------------|------------|---------|------------|--------|
| 3237369 | Novamont S.p.A.                   | 21/12/2015 | 3237369 | 15830784.3 |        |
| 3237391 | Farmington Pharma Development     | 22/12/2015 | 3237391 | 15874283.3 |        |
| 3238103 | Intel Corporation                 | 25/11/2015 | 3238103 | 15874036.5 |        |
| 3238368 | Nokia Technologies Oy             | 23/12/2014 | 3238368 | 14908723.1 |        |
| 3238656 | Koninklijke Philips N.V.          | 20/04/2007 | 3238656 | 17171016.3 |        |
| 3238671 | Coloplast A/S                     | 05/12/2013 | 3238671 | 17171623.6 |        |
| 3238702 | Kao Corporation                   | 25/12/2015 | 3238702 | 15873298.2 |        |
| 3238728 | Seikagaku Corporation             | 25/12/2015 | 3238728 | 15873273.5 |        |
| 3238899 | Välinge Innovation AB             | 18/06/2013 | 3238899 | 17171195.5 |        |
| 3239579 | Kuraray Co., Ltd.                 | 22/12/2015 | 3239579 | 15873099.4 |        |
| 3239620 | Aereco                            | 27/04/2017 | 3239620 | 17168460.8 | French |
| 3239633 | Samsung Electronics Co., Ltd.     | 11/07/2013 | 3239633 | 17176893.0 |        |
| 3239794 | Canon Kabushiki Kaisha            | 28/03/2017 | 3239794 | 17163396.9 |        |
| 3240074 | Kyocera Corporation               | 18/12/2015 | 3240074 | 15872929.3 |        |
| 3240228 | ZTE Corporation                   | 21/09/2015 | 3240228 | 15871739.7 |        |
| 3240711 | Robert Bosch GmbH                 | 31/12/2015 | 3240711 | 15828729.2 |        |
| 3242079 | Valeo Vision                      | 03/05/2017 | 3242079 | 17169330.2 | French |
| 3242416 | LG Electronics Inc.               | 12/02/2013 | 3242416 | 17172652.4 |        |
| 3242425 | Deutsche Telekom AG               | 03/05/2017 | 3242425 | 17169244.5 | German |
| 3242719 | Heraeus Deutschland GmbH & Co. KG | 08/01/2015 | 3242719 | 15702027.2 |        |
| 3243551 | Hamilton Sundstrand Corporation   | 09/05/2017 | 3243551 | 17170089.1 |        |
| 3243909 | Agilent Technologies, Inc.        | 26/02/2010 | 3243909 | 17166012.9 |        |
| 3243970 | Easy Sanitary Solutions B.V.      | 19/04/2017 | 3243970 | 17167089.6 |        |
| 3243987 | Aug. Winkhaus GmbH & Co. KG       | 26/04/2017 | 3243987 | 17168169.5 | German |
| 3244072 | Robert Bosch GmbH                 | 13/04/2017 | 3244072 | 17166415.4 | German |
| 3244111 | Chen, Tsan-Jee                    | 13/05/2016 | 3244111 | 16169475.7 |        |
| 3244562 | Huawei Technologies Co., Ltd.     | 30/01/2015 | 3244562 | 15879453.7 |        |
| 3244790 | Koninklijke Philips N.V.          | 06/01/2016 | 3244790 | 16701691.4 |        |
| 3245645 | Magic Leap, Inc.                  | 11/01/2016 | 3245645 | 16737681.3 |        |
| 3245841 | Sony Corporation                  | 15/01/2015 | 3245841 | 15700990.3 |        |
| 3246306 | Zeon Corporation                  | 16/05/2017 | 3246306 | 17171326.6 |        |
| 3246768 | LG Electronics Inc.               | 11/05/2017 | 3246768 | 17000809.8 |        |
| 3246978 | Valmet Automotive Oy              | 18/05/2017 | 3246978 | 17171632.7 |        |
| 3247041 | STMicroelectronics S.r.l.         | 09/05/2017 | 3247041 | 17170096.6 |        |
| 3247135 | Dolby International AB            | 30/04/2004 | 3247135 | 17173337.1 |        |

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| 3247235 | Wensley, Martin<br>Hufford, Michael<br>Lloyd, Peter<br>Fontem Holdings 1 B.V. | 20/01/2016 | 3247235 | 16740689.1 |        |
| 3247967 | Siemens Gamesa Renewable Energy<br>A/S                                        | 20/03/2015 | 3247967 | 15741752.8 |        |
| 3247987 | Leica Mikrosysteme GmbH                                                       | 14/01/2016 | 3247987 | 16700591.7 | German |
| 3248017 | F. Hoffmann-La Roche AG                                                       | 20/01/2016 | 3248017 | 16701125.3 |        |
| 3248060 | Merck Patent GmbH                                                             | 30/12/2015 | 3248060 | 15820046.9 |        |
| 3248077 | ABB Schweiz AG                                                                | 22/01/2016 | 3248077 | 16702451.2 |        |
| 3248419 | Intel IP Corporation                                                          | 24/06/2015 | 3248419 | 15879208.5 |        |
| 3248717 | Technology Research Association for<br>Future Additive Manufacturing          | 25/03/2016 | 3248717 | 16825690.7 |        |
| 3249341 | A-Heat Allied Heat Exchange<br>Technology AG                                  | 10/07/2013 | 3249341 | 17172125.1 | German |
| 3249367 | Rosen Swiss AG                                                                | 02/02/2012 | 3249367 | 17001036.7 | German |
| 3249562 | Cal-Comp Electronics &<br>Communications Company Limited                      | 10/11/2016 | 3249562 | 16198073.5 |        |
| 3249779 | GUANGDONG OPPO MOBILE<br>TELECOMMUNICATIONS CORP.,<br>LTD.                    | 07/01/2017 | 3249779 | 17746707.3 |        |
| 3250424 | Nira Dynamics AB                                                              | 25/01/2016 | 3250424 | 16703919.7 |        |
| 3250455 | Sikorsky Aircraft Corporation                                                 | 26/01/2016 | 3250455 | 16743931.4 |        |
| 3251015 | Splunk Inc.                                                                   | 26/01/2016 | 3251015 | 16743976.9 |        |
| 3251179 | Flechl, Christian                                                             | 01/02/2016 | 3251179 | 16705714.0 | German |
| 3251420 | Telefonaktiebolaget LM Ericsson (publ)                                        | 27/01/2015 | 3251420 | 15879334.9 |        |
| 3251669 | DAIICHI SANKYO COMPANY,<br>LIMITED                                            | 25/01/2016 | 3251669 | 16743267.3 |        |
| 3251781 | Kabushiki Kaisha Kobe Seiko Sho<br>(Kobe Steel, Ltd.)                         | 04/01/2016 | 3251781 | 16743014.9 |        |
| 3251856 | Canon Kabushiki Kaisha                                                        | 26/01/2015 | 3251856 | 15879852.0 |        |
| 3251859 | Heidelberger Druckmaschinen AG                                                | 21/04/2017 | 3251859 | 17167458.3 | German |
| 3252189 | Toyoko Kohan Co., Ltd.<br>Toyo Seikan Co., Ltd.                               | 24/12/2015 | 3252189 | 15880167.0 |        |
| 3252190 | Toyoko Kohan Co., Ltd.<br>Toyo Seikan Co., Ltd.                               | 24/12/2015 | 3252190 | 15880168.8 |        |
| 3252368 | VALEO ILUMINACION                                                             | 22/05/2017 | 3252368 | 17172317.4 | French |

|         |                                                      |            |         |            |        |
|---------|------------------------------------------------------|------------|---------|------------|--------|
| 3252588 | CANON KABUSHIKI KAISHA                               | 01/06/2017 | 3252588 | 17173946.9 |        |
| 3252773 | Panasonic Intellectual Property Management Co., Ltd. | 21/12/2015 | 3252773 | 15879838.9 |        |
| 3253028 | Huawei Technologies Co., Ltd.                        | 23/10/2015 | 3253028 | 15889000.4 |        |
| 3253145 | Fujitsu Limited                                      | 28/01/2015 | 3253145 | 15879938.7 |        |
| 3253579 | Seiko Epson Corporation                              | 16/03/2016 | 3253579 | 16715116.6 |        |
| 3253628 | Robert Bosch GmbH                                    | 15/01/2016 | 3253628 | 16701103.0 | German |
| 3253637 | Railadventure GmbH                                   | 08/02/2016 | 3253637 | 16703767.0 | German |
| 3253770 | Dow Silicones Corporation                            | 03/02/2016 | 3253770 | 16747179.6 |        |
| 3253939 | Howmet Aerospace Inc.                                | 07/07/2016 | 3253939 | 16741759.1 |        |
| 3253990 | Campbell, Richard V.                                 | 22/01/2016 | 3253990 | 16752774.6 |        |
| 3253991 | Bull, Phillip<br>Campbell, Richard V.                | 22/01/2016 | 3253991 | 16746961.8 |        |
| 3254191 | Huawei Technologies Co. Ltd.                         | 31/03/2016 | 3254191 | 16779537.6 |        |
| 3254271 | Kenderes, Rosemary                                   | 02/02/2016 | 3254271 | 16747079.8 |        |
| 3255334 | Valeo Vision                                         | 02/06/2017 | 3255334 | 17174296.8 | French |
| 3255638 | AGC Inc.                                             | 28/01/2016 | 3255638 | 16746511.1 |        |
| 3255805 | NXP B.V.                                             | 08/06/2016 | 3255805 | 16173467.8 |        |
| 3255886 | Goodrich Corporation                                 | 07/06/2017 | 3255886 | 17174676.1 |        |
| 3255974 | Kverneland Group Kerteminde AS                       | 09/02/2016 | 3255974 | 16703543.5 |        |
| 3256169 | UCL Business Ltd                                     | 08/02/2016 | 3256169 | 16703850.4 |        |
| 3256278 | Otto Junker GmbH                                     | 10/02/2016 | 3256278 | 16703800.9 | German |
| 3256330 | IDEMIA France                                        | 27/10/2015 | 3256330 | 15798507.8 | French |
| 3256366 | Robert Bosch GmbH                                    | 22/01/2016 | 3256366 | 16703273.9 | German |
| 3256739 | Atlas Copco Airpower, Naamloze Vennootschap          | 01/02/2016 | 3256739 | 16722033.4 |        |
| 3257153 | Nokia Solutions and Networks GmbH & Co. KG           | 10/02/2015 | 3257153 | 15703291.3 |        |
| 3257182 | Qualcomm Incorporated                                | 02/02/2016 | 3257182 | 16704352.0 |        |
| 3257333 | Signify Holding B.V.                                 | 19/01/2016 | 3257333 | 16701004.0 |        |
| 3257823 | Bottero S.p.A.                                       | 14/06/2017 | 3257823 | 17176146.3 |        |
| 3257881 | Unimatec Co., Ltd.                                   | 22/01/2016 | 3257881 | 16749007.7 |        |
| 3258015 | Hamm AG                                              | 03/05/2017 | 3258015 | 17169222.1 | German |
| 3258017 | Komatsu Ltd.                                         | 30/10/2015 | 3258017 | 15907301.4 |        |
| 3258030 | Johns Manville                                       | 16/06/2017 | 3258030 | 17176427.7 |        |
| 3258174 | Nibe AB                                              | 16/06/2016 | 3258174 | 16174688.8 |        |

|         |                                                                                                                                           |            |         |            |        |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------|------------|---------|------------|--------|
| 3258500 | Semiconductor Manufacturing<br>International (Shanghai) Corporation<br>Semiconductor Manufacturing<br>International (Beijing) Corporation | 07/06/2017 | 3258500 | 17174829.6 |        |
| 3258576 | Mitsuba Corporation<br>Akebono Brake Industry Co., Ltd.                                                                                   | 05/02/2016 | 3258576 | 16749155.4 |        |
| 3258893 | Candesant Biomedical, Inc.                                                                                                                | 19/02/2016 | 3258893 | 16708304.7 |        |
| 3259044 | Wenker GmbH & Co. Kg                                                                                                                      | 11/02/2016 | 3259044 | 16716153.8 | German |
| 3259067 | Bio-Marketing-T, Ltd. (BMT)                                                                                                               | 17/02/2016 | 3259067 | 16751983.4 |        |
| 3259371 | Becton, Dickinson and Company                                                                                                             | 17/02/2016 | 3259371 | 16710357.1 |        |
| 3259434 | TRACTO-TECHNIK GmbH & Co. KG                                                                                                              | 15/02/2016 | 3259434 | 16707627.2 | German |
| 3259455 | Siemens Aktiengesellschaft                                                                                                                | 04/04/2016 | 3259455 | 16714858.4 | German |
| 3260271 | Toray Industries, Inc.                                                                                                                    | 22/01/2016 | 3260271 | 16752195.4 |        |
| 3260289 | Odenwald-Chemie GmbH                                                                                                                      | 08/06/2017 | 3260289 | 17174921.1 | German |
| 3260463 | Suzhou Zelgen Biopharmaceutical Co.,<br>Ltd.                                                                                              | 16/02/2016 | 3260463 | 16751945.3 |        |
| 3260831 | Honeywell International Inc.                                                                                                              | 16/06/2017 | 3260831 | 17176511.8 |        |
| 3260949 | NXP B.V.                                                                                                                                  | 22/05/2017 | 3260949 | 17172326.5 |        |
| 3261181 | Nexans                                                                                                                                    | 21/06/2016 | 3261181 | 16305748.2 |        |
| 3261530 | Icentia Inc.                                                                                                                              | 25/02/2016 | 3261530 | 16754705.8 |        |
| 3261790 | Hewlett-Packard Development<br>Company, L.P.                                                                                              | 24/07/2015 | 3261790 | 15899784.1 |        |
| 3261825 | Bayerische Motoren Werke<br>Aktiengesellschaft                                                                                            | 30/11/2015 | 3261825 | 15804720.9 | German |
| 3262263 | Munchkin, Inc.                                                                                                                            | 25/02/2016 | 3262263 | 16756370.9 |        |
| 3262538 | Sumo Logic, Inc.                                                                                                                          | 25/02/2016 | 3262538 | 16756371.7 |        |
| 3262925 | Schrämmli Landschaftsarchitektur<br>GmbH                                                                                                  | 24/03/2017 | 3262925 | 17162780.5 | German |
| 3262963 | NIKE Innovate C.V.                                                                                                                        | 28/01/2010 | 3262963 | 17183005.2 |        |
| 3263317 | EOS GmbH Electro Optical Systems                                                                                                          | 22/06/2017 | 3263317 | 17177350.0 | German |
| 3264705 | Huawei Technologies Co., Ltd.                                                                                                             | 07/12/2012 | 3264705 | 17186456.4 |        |
| 3266121 | Stratospheric Platforms Limited                                                                                                           | 02/03/2016 | 3266121 | 16709505.8 |        |
| 3266154 | ABB Power Grids Switzerland AG                                                                                                            | 02/03/2016 | 3266154 | 16707457.4 |        |
| 3266188 | Convida Wireless, LLC                                                                                                                     | 02/03/2016 | 3266188 | 16711423.0 |        |
| 3266279 | Devito, Anthony, W.                                                                                                                       | 02/03/2016 | 3266279 | 16714084.7 |        |
| 3266404 | J. MORITA MANUFACTURING<br>CORPORATION                                                                                                    | 05/07/2017 | 3266404 | 17179833.3 |        |

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|---------|---------------------------------------------------|------------|---------|------------|--------|
| 3266681 | Valeo Schalter und Sensoren GmbH                  | 20/06/2017 | 3266681 | 17176768.4 | German |
| 3266708 | Recaro Aircraft Seating GmbH & Co. KG             | 28/06/2017 | 3266708 | 17178413.5 |        |
| 3267036 | Cameron Technologies Limited                      | 07/07/2016 | 3267036 | 16305855.5 |        |
| 3267102 | Linde GmbH                                        | 06/07/2017 | 3267102 | 17180065.9 |        |
| 3267174 | Horiba, Ltd.                                      | 22/02/2016 | 3267174 | 16761464.3 |        |
| 3267244 | Samsung Display Co., Ltd.                         | 04/07/2017 | 3267244 | 17179556.0 |        |
| 3267668 | Dialogtech Inc.                                   | 04/07/2017 | 3267668 | 17179444.9 |        |
| 3267758 | Huawei Technologies Co., Ltd.                     | 31/03/2015 | 3267758 | 15886870.3 |        |
| 3268140 | SOUKOS ROBOTICS E.E.                              | 07/03/2016 | 3268140 | 16716898.8 |        |
| 3268743 | Bio-rad Laboratories, Inc.                        | 08/03/2016 | 3268743 | 16762346.1 |        |
| 3268831 | NCS Multistage Inc.                               | 11/03/2016 | 3268831 | 16760953.6 |        |
| 3268889 | Citrix Systems, Inc.                              | 01/04/2015 | 3268889 | 15801516.4 |        |
| 3269127 | Intel IP Corporation                              | 09/03/2016 | 3269127 | 16765445.8 |        |
| 3269196 | Telefonaktiebolaget LM Ericsson (publ)            | 13/03/2015 | 3269196 | 15709942.5 |        |
| 3269263 | International Tobacco Machinery Poland Sp. z o.o. | 13/07/2016 | 3269263 | 16179251.0 |        |
| 3269270 | Albéa Services                                    | 05/07/2017 | 3269270 | 17179867.1 | French |
| 3269431 | Asia Regent Corporation                           | 14/07/2017 | 3269431 | 17181344.7 |        |
| 3269593 | "WIELTON" Spolka Akcyjna                          | 18/09/2016 | 3269593 | 16460068.6 |        |
| 3269882 | Hug, Torsten                                      | 13/07/2017 | 3269882 | 17181115.1 | German |
| 3269941 | MTU Aero Engines AG                               | 11/07/2017 | 3269941 | 17180807.4 | German |
| 3270011 | ZF Friedrichshafen AG                             | 08/06/2017 | 3270011 | 17174876.7 | German |
| 3270034 | Truma Gerätetechnik GmbH & Co. KG                 | 05/07/2017 | 3270034 | 17179795.4 | German |
| 3270309 | B. Braun Avitum AG                                | 13/07/2017 | 3270309 | 17181266.2 | German |
| 3270584 | InterDigital CE Patent Holdings                   | 03/07/2017 | 3270584 | 17179350.8 |        |
| 3271789 | Safran Electronics & Defense                      | 16/03/2016 | 3271789 | 16710200.3 | French |
| 3271901 | Valeo Comfort and Driving Assistance              | 22/12/2015 | 3271901 | 15828364.8 | French |
| 3272251 | DIRTT Environmental Solutions, Ltd.               | 13/06/2012 | 3272251 | 17189630.1 |        |
| 3272382 | JAPAN TOBACCO INC.                                | 28/04/2016 | 3272382 | 16786596.3 |        |
| 3273199 | Buchen Umweltservice GmbH                         | 05/07/2017 | 3273199 | 17179819.2 | German |
| 3273214 | PI System Automation                              | 21/06/2017 | 3273214 | 17177027.4 | French |
| 3273412 | Alibaba Group Holding Limited                     | 08/03/2016 | 3273412 | 16764182.8 |        |
| 3273526 | AutoNetworks Technologies, Ltd.                   | 17/03/2016 | 3273526 | 16765051.4 |        |
|         | Sumitomo Wiring Systems, Ltd.                     |            |         |            |        |
|         | Sumitomo Electric Industries, Ltd.                |            |         |            |        |
| 3274049 | Profound Medical Inc.                             | 16/03/2016 | 3274049 | 16713754.6 |        |

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| 3274114 | Thoni Alutec Sp. z.o.o.                                           | 18/03/2016 | 3274114 | 16717719.5 |        |
| 3275062 | CommScope Technologies LLC                                        | 24/03/2016 | 3275062 | 16773786.5 |        |
| 3275232 | Apple Inc.                                                        | 18/03/2016 | 3275232 | 16769395.1 |        |
| 3275533 | Oerlikon Textile GmbH & Co. KG                                    | 14/07/2017 | 3275533 | 17181369.4 | German |
| 3275587 | The Boeing Company                                                | 21/07/2017 | 3275587 | 17182517.7 |        |
| 3275658 | manroland Goss web systems GmbH                                   | 28/07/2016 | 3275658 | 16181703.6 |        |
| 3275781 | Goodrich Corporation                                              | 27/07/2017 | 3275781 | 17183564.8 |        |
| 3275829 | Otis Elevator Company                                             | 31/07/2017 | 3275829 | 17184120.8 |        |
| 3275830 | Otis Elevator Company                                             | 31/07/2017 | 3275830 | 17184135.6 |        |
| 3276064 | Technische Universität Dresden                                    | 27/07/2017 | 3276064 | 17183433.6 | German |
| 3276140 | Garrett Transportation I Inc.                                     | 06/07/2017 | 3276140 | 17180148.3 |        |
| 3276141 | Garrett Transportation I Inc.                                     | 06/07/2017 | 3276141 | 17180151.7 |        |
| 3276152 | The Boeing Company                                                | 28/07/2017 | 3276152 | 17183822.0 |        |
| 3276313 | Kistler Holding AG                                                | 26/07/2016 | 3276313 | 16181259.9 | German |
| 3276337 | Commissariat à l'Energie Atomique et<br>aux Energies Alternatives | 25/07/2017 | 3276337 | 17182954.2 | French |
| 3276375 | Honeywell International Inc.                                      | 11/07/2017 | 3276375 | 17180839.7 |        |
| 3276699 | LG Display Co., Ltd.                                              | 27/07/2017 | 3276699 | 17183468.2 |        |
| 3276972 | LG Electronics Inc.                                               | 07/07/2015 | 3276972 | 15886566.7 |        |
| 3276978 | LG Electronics Inc.                                               | 06/07/2017 | 3276978 | 17180150.9 |        |
| 3277200 | Abbott Cardiovascular Systems, Inc.                               | 31/03/2016 | 3277200 | 16715765.0 |        |
| 3277383 | L'OREAL                                                           | 27/01/2016 | 3277383 | 16701659.1 |        |
| 3277506 | Hewlett-Packard Development<br>Company, L.P.                      | 02/07/2015 | 3277506 | 15732739.6 |        |
| 3277893 | MAG Aerospace Industries, LLC                                     | 01/04/2016 | 3277893 | 16717035.6 |        |
| 3278773 | Coloplast A/S                                                     | 28/01/2014 | 3278773 | 17188104.8 |        |
| 3279191 | Takeda Pharmaceutical Company<br>Limited                          | 29/03/2016 | 3279191 | 16772837.7 |        |
| 3279388 | LG Electronics Inc.                                               | 27/07/2017 | 3279388 | 17183551.5 |        |
| 3279396 | Daio Paper Corporation                                            | 15/03/2016 | 3279396 | 16772267.7 |        |
| 3279878 | NEC Corporation                                                   | 22/03/2016 | 3279878 | 16771717.2 |        |
| 3280183 | China Academy of Telecommunications<br>Technology                 | 07/03/2016 | 3280183 | 16771227.2 |        |
| 3280222 | MTU Aero Engines AG                                               | 17/07/2017 | 3280222 | 17181627.5 | German |
| 3280342 | Clarify Medical, Inc.                                             | 30/03/2016 | 3280342 | 16777066.8 |        |
| 3281235 | Intel Corporation                                                 | 27/03/2015 | 3281235 | 15886771.3 |        |
| 3281338 | Sony Corporation                                                  | 08/03/2016 | 3281338 | 16709351.7 |        |

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| 3281507 | Siemens Aktiengesellschaft                                                                 | 06/07/2016 | 3281507 | 16738381.9 | German |
| 3281648 | Cortronik GmbH                                                                             | 12/07/2017 | 3281648 | 17180933.8 | German |
| 3281720 | Hitachi Metals, Ltd.                                                                       | 31/03/2016 | 3281720 | 16776475.2 |        |
| 3282003 | Takasago International Corporation                                                         | 08/08/2017 | 3282003 | 17185240.3 |        |
| 3282141 | Deere & Company                                                                            | 08/08/2017 | 3282141 | 17185388.0 |        |
| 3282166 | Thales CETC Avionics Co., Ltd.                                                             | 13/07/2017 | 3282166 | 17275106.7 |        |
| 3282346 | Wacom Co., Ltd.                                                                            | 01/04/2016 | 3282346 | 16776481.0 |        |
| 3282509 | AGC Inc.                                                                                   | 01/04/2016 | 3282509 | 16776488.5 |        |
| 3282726 | Intel Corporation                                                                          | 18/02/2013 | 3282726 | 17194375.6 |        |
| 3282863 | Société des Produits Nestlé S.A.                                                           | 12/04/2016 | 3282863 | 16716848.3 |        |
| 3282947 | INESC TEC - Instituto de Engenharia<br>de Sistemas e Computadores,<br>Tecnologia e Ciência | 14/04/2016 | 3282947 | 16723163.8 |        |
| 3283411 | Interroll Holding AG                                                                       | 12/04/2016 | 3283411 | 16718602.2 | German |
| 3283570 | Eni S.p.A.                                                                                 | 13/04/2016 | 3283570 | 16718912.5 |        |
| 3284120 | CPS Technology Holdings LLC                                                                | 14/02/2016 | 3284120 | 16711915.5 |        |
| 3284143 | Glenair, Inc.                                                                              | 07/04/2016 | 3284143 | 16780476.4 |        |
| 3284300 | QUALCOMM Incorporated                                                                      | 25/03/2016 | 3284300 | 16715415.2 |        |
| 3284417 | Zhadkevich, Michael                                                                        | 28/04/2014 | 3284417 | 17190479.0 |        |
| 3284650 | Valeo Schalter und Sensoren GmbH                                                           | 11/08/2017 | 3284650 | 17185837.6 | German |
| 3284691 | Toyo Seikan Co., Ltd.                                                                      | 12/04/2016 | 3284691 | 16779764.6 |        |
| 3284933 | Mitsuba Corporation                                                                        | 18/03/2016 | 3284933 | 16772410.3 |        |
| 3284957 | SMC Corporation                                                                            | 29/02/2016 | 3284957 | 16779827.1 |        |
| 3285112 | BOE Technology Group Co., Ltd.<br>Ordos Yuansheng Optoelectronics Co.,<br>Ltd.             | 29/07/2015 | 3285112 | 15888940.2 |        |
| 3285690 | Edwards Lifesciences Corporation                                                           | 21/04/2016 | 3285690 | 16783861.4 |        |
| 3285905 | TI Group Automotive Systems, L.L.C.                                                        | 21/04/2016 | 3285905 | 16720634.1 |        |
| 3287086 | Olympus Corporation                                                                        | 11/05/2016 | 3287086 | 16803005.4 |        |
| 3287454 | Takeda Pharmaceutical Company<br>Limited                                                   | 22/04/2016 | 3287454 | 16783269.0 |        |
| 3287459 | Guizhou Bailing Group Pharmaceutical<br>Co., Ltd.                                          | 12/04/2016 | 3287459 | 16782564.5 |        |
| 3287517 | The Automation Partnership<br>(Cambridge) Limited                                          | 01/07/2009 | 3287517 | 17001607.5 |        |

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| 3287987 | THE FIRST AFFILIATED HOSPITAL<br>OF SUN YAT-SEN UNIVERSITY<br>SCHOOL OF DATA AND<br>COMPUTER SCIENCE OF SUN<br>YAT-SEN UNIVERSITY<br>NATIONAL SUPERCOMPUTER<br>CENTRE IN GUANGZHOU OF SUN<br>YAT-SEN UNIVERSITY | 14/07/2016 | 3287987 | 16869386.9 |        |
| 3288234 | Ricoh Company, Ltd.                                                                                                                                                                                             | 28/07/2017 | 3288234 | 17183837.8 |        |
| 3288541 | Board of Regents, The University of<br>Texas System                                                                                                                                                             | 02/09/2015 | 3288541 | 15766292.5 |        |
| 3288716 | Milwaukee Electric Tool Corporation                                                                                                                                                                             | 26/04/2016 | 3288716 | 16786995.7 |        |
| 3288892 | BASF SE                                                                                                                                                                                                         | 19/04/2016 | 3288892 | 16721667.0 | German |
| 3289205 | MTU Friedrichshafen GmbH                                                                                                                                                                                        | 16/03/2016 | 3289205 | 16711982.5 | German |
| 3289656 | Tesla, Inc.                                                                                                                                                                                                     | 14/04/2016 | 3289656 | 16718818.4 |        |
| 3290029 | Grünenthal GmbH                                                                                                                                                                                                 | 02/03/2012 | 3290029 | 17189139.3 |        |
| 3290439 | Acceleron Pharma Inc.                                                                                                                                                                                           | 08/06/2010 | 3290439 | 17166621.7 |        |
| 3290530 | Streck Inc.                                                                                                                                                                                                     | 11/02/2010 | 3290530 | 17185367.4 |        |
| 3290647 | United Technologies Corporation                                                                                                                                                                                 | 30/06/2017 | 3290647 | 17179191.6 |        |
| 3290838 | Hefei Midea Refrigerator Co., Ltd.<br>Midea Group Co., Ltd.                                                                                                                                                     | 15/06/2015 | 3290838 | 15890476.3 |        |
| 3291480 | multitiv GmbH                                                                                                                                                                                                   | 05/09/2016 | 3291480 | 16187276.7 |        |
| 3291797 | Versantis AG                                                                                                                                                                                                    | 03/05/2016 | 3291797 | 16724597.6 |        |
| 3291998 | Fedrigoni S.p.A.                                                                                                                                                                                                | 04/05/2015 | 3291998 | 15722139.1 |        |
| 3292544 | Ring Inc.<br>Siminoff, James                                                                                                                                                                                    | 06/05/2016 | 3292544 | 16790214.7 |        |
| 3293008 | Datamax-O'Neil Corporation                                                                                                                                                                                      | 05/09/2017 | 3293008 | 17189516.2 |        |
| 3293536 | The Boeing Company                                                                                                                                                                                              | 17/07/2017 | 3293536 | 17181675.4 |        |
| 3293632 | BMC Software, Inc.                                                                                                                                                                                              | 07/09/2017 | 3293632 | 17189795.2 |        |
| 3294036 | Huawei Technologies Co., Ltd.                                                                                                                                                                                   | 27/05/2015 | 3294036 | 15892934.9 |        |
| 3294333 | Biontech Cell&Gene Therapies GmbH<br>TRON - Translationale Onkologie an<br>der Universitätsmedizin der Johannes<br>Gutenberg- Universität Mainz<br>gemeinnützige GmbH                                           | 09/05/2016 | 3294333 | 16721176.2 |        |
| 3294466 | Josef Schiele oHG                                                                                                                                                                                               | 06/05/2016 | 3294466 | 16723056.4 | German |
| 3294499 | PSA AUTOMOBILES S.A.                                                                                                                                                                                            | 14/04/2016 | 3294499 | 16731202.4 | French |

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|---------|-------------------------------------|------------|---------|------------|--------|
| 3294765 | Philogen S.p.A.                     | 05/05/2016 | 3294765 | 16723969.8 |        |
| 3294815 | Sun Chemical Corporation            | 04/05/2016 | 3294815 | 16796921.1 |        |
| 3295209 | Hatch Ltd.                          | 13/05/2016 | 3295209 | 16795586.3 |        |
| 3295224 | The Climate Corporation             | 06/05/2016 | 3295224 | 16793251.6 |        |
| 3295292 | MyScript                            | 13/05/2016 | 3295292 | 16726481.1 |        |
| 3295824 | Samwha Plastic Ind. Co.             | 12/05/2016 | 3295824 | 16792999.1 |        |
| 3295938 | ÜSKÜDAR ÜNİVERSİTESİ                | 19/09/2016 | 3295938 | 16189535.4 |        |
|         | Sabancı Üniversitesi                |            |         |            |        |
| 3296069 | Kabushiki Kaisha Yaskawa Denki      | 31/07/2015 | 3296069 | 15891896.1 |        |
| 3296333 | Maruzen Petrochemical Co., Ltd.     | 02/05/2016 | 3296333 | 16792598.1 |        |
| 3296575 | SMC Corporation                     | 14/03/2016 | 3296575 | 16792425.7 |        |
| 3297882 | Bayerische Motoren Werke            | 04/05/2016 | 3297882 | 16720833.9 | German |
|         | Aktiengesellschaft                  |            |         |            |        |
| 3298012 | PLEXXIKON INC.                      | 20/05/2016 | 3298012 | 16726751.7 |        |
| 3298265 | Delphi Technologies IP Limited      | 20/05/2016 | 3298265 | 16724628.9 |        |
| 3298531 | Workday, Inc.                       | 23/10/2015 | 3298531 | 15892786.3 |        |
| 3298535 | Samsung Electronics Co., Ltd.       | 19/10/2016 | 3298535 | 16857761.7 |        |
| 3299133 | Nissan Motor Co., Ltd.              | 22/05/2015 | 3299133 | 15893220.2 |        |
| 3299162 | Samsung Electronics Co., Ltd.       | 11/09/2017 | 3299162 | 17190350.3 |        |
| 3299555 | ASSA ABLOY Sicherheitstechnik       | 14/09/2017 | 3299555 | 17191038.3 | German |
|         | GmbH                                |            |         |            |        |
| 3299721 | Ansaldo Energia Switzerland AG      | 22/09/2016 | 3299721 | 16190213.5 |        |
| 3300185 | GE Renewable Technologies           | 22/09/2016 | 3300185 | 16290180.5 |        |
| 3301397 | The Boeing Company                  | 31/07/2017 | 3301397 | 17184089.5 |        |
| 3301438 | F. Hoffmann-La Roche AG             | 30/09/2016 | 3301438 | 16191811.5 |        |
| 3302128 | NIKE Innovate C.V.                  | 27/05/2016 | 3302128 | 16804161.4 |        |
| 3302283 | Koninklijke Philips N.V.            | 20/05/2016 | 3302283 | 16725101.6 |        |
| 3303028 | Thermo King Corporation             | 25/05/2016 | 3303028 | 16804023.6 |        |
| 3303037 | Valeo Systemes Thermiques           | 17/05/2016 | 3303037 | 16723118.2 | French |
| 3303126 | Verity AG                           | 27/05/2016 | 3303126 | 16726196.5 |        |
| 3303152 | Sunbeam Products, Inc.              | 06/06/2016 | 3303152 | 16804658.9 |        |
| 3304442 | Microsoft Technology Licensing, LLC | 25/05/2016 | 3304442 | 16730097.9 |        |
| 3304570 | Manfred Schmelzer GmbH              | 06/06/2016 | 3304570 | 16734034.8 | German |
| 3304617 | Applied Materials, Inc.             | 27/05/2016 | 3304617 | 16804102.8 |        |
| 3304737 | Nagravision S.A.                    | 26/05/2016 | 3304737 | 16727355.6 |        |
| 3305224 | Interscope, Inc.                    | 03/12/2012 | 3305224 | 17195661.8 |        |

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|---------|------------------------------------------------------------------------------------------|------------|---------|------------|--------|
| 3305283 | Samyang Biopharmaceuticals Corporation                                                   | 27/05/2016 | 3305283 | 16800351.5 |        |
| 3305285 | Aragon Pharmaceuticals, Inc.                                                             | 23/09/2013 | 3305285 | 17187458.9 |        |
| 3305310 | Hubei Soundny Biotechnology Co., Ltd.                                                    | 30/03/2016 | 3305310 | 16802374.5 |        |
| 3305392 | Gottfried Wilhelm Leibniz Universität Hannover<br>Karlsruher Institut für Technologie    | 07/10/2016 | 3305392 | 16192873.4 |        |
| 3305413 | Canyon Corporation                                                                       | 01/06/2016 | 3305413 | 16807092.8 |        |
| 3305492 | GFSI Group LLC                                                                           | 15/03/2011 | 3305492 | 17194183.4 |        |
| 3305599 | MITSUBA Corporation                                                                      | 01/06/2016 | 3305599 | 16803404.9 |        |
| 3305667 | Thales                                                                                   | 05/10/2017 | 3305667 | 17194966.2 | French |
| 3305735 | Fujikura Ltd.                                                                            | 28/11/2016 | 3305735 | 16894557.4 |        |
| 3306143 | Fico Triad, S.A.                                                                         | 04/10/2016 | 3306143 | 16382454.3 |        |
| 3306984 | Hitachi Construction Machinery Co., Ltd.                                                 | 02/06/2016 | 3306984 | 16803474.2 |        |
| 3307283 | Cellphire Inc.                                                                           | 09/06/2016 | 3307283 | 16808270.9 |        |
| 3307642 | Liqui-Box Corporation                                                                    | 10/06/2016 | 3307642 | 16808373.1 |        |
| 3307729 | GlaxoSmithKline Intellectual Property Development Limited<br>Astex Therapeutics Limited  | 15/06/2016 | 3307729 | 16731340.2 |        |
| 3307744 | L'Air Liquide Société Anonyme pour l'Etude et l'Exploitation des Procédés Georges Claude | 10/06/2016 | 3307744 | 16808434.1 |        |
| 3307973 | MACO Technologie GmbH                                                                    | 04/07/2016 | 3307973 | 16735640.1 | German |
| 3308316 | Viirii, LLC                                                                              | 05/07/2016 | 3308316 | 16804678.7 |        |
| 3308496 | Intel Corporation                                                                        | 23/05/2016 | 3308496 | 16808008.3 |        |
| 3308845 | Hamilton Sundstrand Corporation                                                          | 17/10/2017 | 3308845 | 17196762.3 |        |
| 3309164 | Daikin Industries, Ltd.                                                                  | 10/06/2016 | 3309164 | 16807614.9 |        |
| 3309165 | Daikin Industries, Ltd.                                                                  | 10/06/2016 | 3309165 | 16807613.1 |        |
| 3310304 | Globus Medical, Inc.                                                                     | 17/06/2016 | 3310304 | 16812498.0 |        |
| 3310308 | Testa, Nicholas                                                                          | 16/06/2016 | 3310308 | 16812428.7 |        |
| 3310533 | Caterpillar Energy Solutions GmbH                                                        | 15/07/2016 | 3310533 | 16740966.3 |        |
| 3310551 | Krones AG                                                                                | 03/05/2016 | 3310551 | 16721776.9 | German |
| 3310634 | Allison Transmission, Inc.                                                               | 19/06/2015 | 3310634 | 15895833.0 |        |
| 3310673 | PAPACKS SALES GmbH<br>Goerner Formpack GmbH                                              | 13/06/2016 | 3310673 | 16732535.6 | German |

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|---------|----------------------------------------------------------------------------------|------------|---------|------------|--------|
| 3310692 | THE PROCTER & GAMBLE<br>COMPANY                                                  | 08/06/2016 | 3310692 | 16731443.4 |        |
| 3310945 | 3M Innovative Properties Company                                                 | 13/06/2016 | 3310945 | 16732141.3 |        |
| 3310998 | Twin Disc, Inc.                                                                  | 16/06/2016 | 3310998 | 16812444.4 |        |
| 3311409 | Qualcomm Incorporated                                                            | 26/04/2016 | 3311409 | 16724161.1 |        |
| 3311464 | WiTricity Corporation                                                            | 17/06/2016 | 3311464 | 16744937.0 |        |
| 3311648 | Deere & Company                                                                  | 10/08/2017 | 3311648 | 17185789.9 |        |
| 3311990 | Nissan Motor Co., Ltd.                                                           | 17/06/2015 | 3311990 | 15895597.1 |        |
| 3312004 | Kyodo Printing Co., Ltd.                                                         | 17/06/2016 | 3312004 | 16811767.9 |        |
| 3312233 | SUMITOMO RUBBER INDUSTRIES,<br>LTD.                                              | 10/10/2017 | 3312233 | 17195690.7 |        |
| 3312390 | Rolls-Royce Corporation                                                          | 15/09/2017 | 3312390 | 17191237.1 |        |
| 3314076 | eno energy systems GmbH                                                          | 23/06/2016 | 3314076 | 16731606.6 | German |
| 3314138 | Schaeffler Technologies AG & Co. KG                                              | 12/05/2016 | 3314138 | 16729181.4 | German |
| 3314183 | The University of North Carolina at<br>Chapel Hill                               | 22/07/2016 | 3314183 | 16748410.4 |        |
| 3314751 | Qatar Foundation for Education,<br>Science and Community Development             | 23/06/2016 | 3314751 | 16815281.7 |        |
| 3315028 | Kemijski Institut<br>Univerza v Ljubljani<br>Eberhard Karls Universität Tübingen | 27/10/2016 | 3315028 | 16195993.7 |        |
| 3315134 | Law, Peter K.                                                                    | 27/10/2017 | 3315134 | 17198789.4 |        |
| 3315212 | NHK Spring Co., Ltd.                                                             | 21/06/2016 | 3315212 | 16814368.3 |        |
| 3315485 | Saptec Química, SA.<br>Universidade de Aveiro                                    | 30/06/2015 | 3315485 | 15756459.2 |        |
| 3315743 | Pratt & Whitney Canada Corp.                                                     | 28/09/2017 | 3315743 | 17193892.1 |        |
| 3316628 | Hewlett Packard Enterprise<br>Development LP                                     | 24/10/2017 | 3316628 | 17198167.3 |        |
| 3316718 | Mips AB                                                                          | 30/06/2016 | 3316718 | 16736422.3 |        |
| 3317103 | Dow Global Technologies LLC                                                      | 31/07/2015 | 3317103 | 15896869.3 |        |
| 3317518 | Vestas Wind Systems A/S                                                          | 22/06/2016 | 3317518 | 16734176.7 |        |
| 3317576 | SZ DJI Osmo Technology Co., Ltd.                                                 | 02/07/2015 | 3317576 | 15874387.2 |        |
| 3317615 | Fisher Controls International LLC                                                | 01/07/2016 | 3317615 | 16748367.6 |        |
| 3317658 | Kamstrup A/S                                                                     | 01/07/2016 | 3317658 | 16736786.1 |        |
| 3317866 | ORANGE                                                                           | 27/06/2016 | 3317866 | 16751000.7 |        |
| 3318333 | Canyon Corporation                                                               | 22/06/2016 | 3318333 | 16817445.6 |        |
| 3318411 | Seiko Epson Corporation                                                          | 01/11/2017 | 3318411 | 17199592.1 |        |

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|---------|------------------------------------------------------------|------------|---------|------------|--------|
| 3318584 | LG Chem, Ltd.                                              | 15/04/2016 | 3318584 | 16862247.0 |        |
| 3318698 | Teupe GmbH                                                 | 30/10/2017 | 3318698 | 17199265.4 | German |
| 3318781 | Liebherr-Aerospace Lindenberg GmbH                         | 03/11/2017 | 3318781 | 17199848.7 | German |
| 3318934 | Huawei Technologies Co., Ltd.                              | 19/07/2016 | 3318934 | 16829783.6 |        |
| 3318961 | Seiko Epson Corporation                                    | 03/01/2013 | 3318961 | 17206664.9 |        |
| 3319157 | Nissan Motor Co., Ltd.                                     | 03/07/2015 | 3319157 | 15897666.2 |        |
| 3319202 | GUANGDONG OPPO MOBILE<br>TELECOMMUNICATIONS CORP.,<br>LTD. | 07/01/2017 | 3319202 | 17746705.7 |        |
| 3319365 | Sharp Kabushiki Kaisha                                     | 01/07/2016 | 3319365 | 16821351.0 |        |
| 3319757 | 3M Innovative Properties Company                           | 01/07/2016 | 3319757 | 16821848.5 |        |
| 3319791 | Owens Corning Intellectual Capital,<br>LLC                 | 07/07/2016 | 3319791 | 16821962.4 |        |
| 3319881 | GEA Food Solutions Germany GmbH                            | 07/07/2016 | 3319881 | 16736172.4 | German |
| 3320115 | Life Technologies Corporation                              | 05/07/2016 | 3320115 | 16742101.5 |        |
| 3320204 | Daimler AG                                                 | 02/07/2016 | 3320204 | 16734560.2 | German |
| 3320343 | Seqirus UK Limited                                         | 07/07/2016 | 3320343 | 16738395.9 |        |
| 3320394 | Essilor International (Compagnie<br>Générale d'Optique)    | 08/07/2016 | 3320394 | 16744820.8 | French |
| 3320482 | MyScript                                                   | 08/07/2016 | 3320482 | 16741856.5 |        |
| 3320533 | SMR Patents S.à.r.l.                                       | 08/07/2016 | 3320533 | 16744326.6 |        |
| 3320571 | Hunt Perovskite Technologies, L.L.C.                       | 06/07/2016 | 3320571 | 16824904.3 |        |
| 3320671 | Convida Wireless, LLC                                      | 06/07/2016 | 3320671 | 16745566.6 |        |
| 3320710 | Qualcomm Incorporated                                      | 13/06/2016 | 3320710 | 16819704.4 |        |
| 3320724 | Telefonaktiebolaget LM Ericsson (publ)                     | 06/07/2016 | 3320724 | 16820930.2 |        |
| 3320748 | Telefonaktiebolaget LM Ericsson<br>(PUBL)                  | 10/07/2015 | 3320748 | 15898411.2 |        |
| 3321096 | 3M Innovative Properties Co.                               | 21/06/2011 | 3321096 | 17202847.4 |        |
| 3321350 | JOPE Beteiligungs GmbH                                     | 09/11/2017 | 3321350 | 17200912.8 | German |
| 3321370 | Justus-Liebig-Universität Gießen                           | 11/11/2016 | 3321370 | 16198489.3 | German |
| 3321925 | Fujitsu Client Computing Limited                           | 10/07/2015 | 3321925 | 15898205.8 |        |
| 3322285 | GEA Farm Technologies GmbH                                 | 12/07/2016 | 3322285 | 16738411.4 | German |
| 3322534 | Loesche GmbH                                               | 16/07/2015 | 3322534 | 15748185.4 | German |
| 3322537 | Dürr Systems AG                                            | 01/07/2016 | 3322537 | 16733885.4 | German |
| 3322579 | Apium Additive Technologies GmbH                           | 15/07/2016 | 3322579 | 16757142.1 | German |
| 3322783 | Afton Chemical Corporation                                 | 14/07/2016 | 3322783 | 16741797.1 |        |
| 3322886 | Marmotors S.R.L.                                           | 14/07/2016 | 3322886 | 16760159.0 |        |

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| 3322932 | CoeLux S.r.l.                                                        | 15/07/2016 | 3322932 | 16751488.4 |        |
| 3323018 | ASML Netherlands B.V.                                                | 16/06/2016 | 3323018 | 16729910.6 |        |
| 3323039 | Microchip Technology Incorporated                                    | 14/07/2016 | 3323039 | 16742534.7 |        |
| 3323122 | Applied Medical Resources Corporation                                | 12/07/2016 | 3323122 | 16741497.8 |        |
| 3323153 | Crayonano AS                                                         | 13/07/2016 | 3323153 | 16738445.2 |        |
|         | Norwegian University of Science and Technology (NTNU)                |            |         |            |        |
| 3323231 | Marfia, Francesca                                                    | 15/07/2015 | 3323231 | 15739242.4 |        |
|         | Fiorillo, Lorenzo                                                    |            |         |            |        |
|         | Telefonaktiebolaget LM Ericsson (publ)                               |            |         |            |        |
| 3323273 | IBF Electronic GmbH&Co KG                                            | 16/06/2016 | 3323273 | 16731559.7 | German |
|         | Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V. |            |         |            |        |
| 3323413 | Yoo Young Pharm Co., Ltd.                                            | 29/06/2016 | 3323413 | 16824623.9 |        |
| 3323612 | United Technologies Corporation                                      | 17/11/2017 | 3323612 | 17202342.6 |        |
| 3323865 | Lintec Corporation                                                   | 13/07/2016 | 3323865 | 16824497.8 |        |
| 3323936 | Nippon Sheet Glass Company, Limited                                  | 13/07/2016 | 3323936 | 16824082.8 |        |
| 3324238 | Shanghai Micro Electronics Equipment (Group) Co., Ltd.               | 13/07/2016 | 3324238 | 16823887.1 |        |
| 3324439 | Shenzhen Goodix Technology Co., Ltd.                                 | 22/02/2017 | 3324439 | 17794646.4 |        |
| 3324698 | LG Electronics Inc.                                                  | 15/07/2015 | 3324698 | 15898350.2 |        |
| 3324748 | Wm. Wrigley Jr. Company                                              | 13/07/2016 | 3324748 | 16741515.7 |        |
| 3324812 | LG Electronics Inc.                                                  | 08/07/2016 | 3324812 | 16827966.9 |        |
| 3324814 | LG Electronics Inc.                                                  | 14/07/2016 | 3324814 | 16827995.8 |        |
| 3324904 | Alcon Inc.                                                           | 07/06/2016 | 3324904 | 16729640.9 |        |
| 3325032 | Biomet Deutschland GmbH                                              | 11/07/2016 | 3325032 | 16736506.3 |        |
| 3325134 | Edwards Limited                                                      | 15/06/2016 | 3325134 | 16731262.8 |        |
| 3325196 | AP&C Advanced Powders&Coatings Inc.                                  | 06/07/2016 | 3325196 | 16826954.6 |        |
| 3325340 | BAE Systems PLC                                                      | 21/07/2016 | 3325340 | 16744475.1 |        |
| 3325379 | Siemens Aktiengesellschaft                                           | 29/07/2016 | 3325379 | 16745717.5 | German |
| 3325432 | Celgene Corporation                                                  | 22/07/2016 | 3325432 | 16831114.0 |        |
| 3325497 | Arizona Board of Regents on behalf of Arizona State University       | 22/07/2016 | 3325497 | 16831116.5 |        |
| 3325591 | Henkel AG & Co. KGaA                                                 | 20/07/2016 | 3325591 | 16741024.0 | German |
| 3325665 | President and Fellows of Harvard College                             | 15/07/2016 | 3325665 | 16828282.0 |        |

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| 3325690 | Kolene Corporation                                                                                                                        | 22/07/2016 | 3325690 | 16828582.3 |        |
| 3325728 | Pharmafilter B.V.                                                                                                                         | 21/07/2016 | 3325728 | 16762898.1 |        |
| 3325736 | Akzenta Paneele + Profile GmbH                                                                                                            | 21/07/2016 | 3325736 | 16741933.2 | German |
| 3325744 | Hettich-Heinze GmbH & Co. KG                                                                                                              | 19/07/2016 | 3325744 | 16739522.7 | German |
| 3325855 | Federal-Mogul Burscheid GmbH                                                                                                              | 16/06/2016 | 3325855 | 16731838.5 | German |
| 3325963 | Transfusion Health LLC                                                                                                                    | 22/07/2016 | 3325963 | 16828629.2 |        |
| 3325982 | Universität Basel<br>ETH Zürich                                                                                                           | 15/07/2016 | 3325982 | 16747728.0 |        |
| 3326318 | Telefonaktiebolaget LM Ericsson (publ)                                                                                                    | 19/07/2016 | 3326318 | 16745649.0 |        |
| 3326466 | Commissariat à l'Energie Atomique et<br>aux Energies Alternatives<br>Université Grenoble Alpes                                            | 23/11/2017 | 3326466 | 17203227.8 | French |
| 3326471 | CJ Cheiljedang Corporation                                                                                                                | 21/07/2016 | 3326471 | 16828075.8 |        |
| 3326476 | Medina Bas, Victor Alberto                                                                                                                | 21/07/2016 | 3326476 | 16827309.2 |        |
| 3326745 | Harima Chemicals, Inc.                                                                                                                    | 08/07/2016 | 3326745 | 16830272.7 |        |
| 3326791 | LG Chem, Ltd.                                                                                                                             | 17/10/2016 | 3326791 | 16900597.2 |        |
| 3327000 | Dongguk University Industry-Academic<br>Cooperation Foundation<br>Korea University Research and<br>Business Foundation                    | 23/07/2016 | 3327000 | 16830783.3 |        |
| 3327305 | Univance Corporation                                                                                                                      | 24/07/2015 | 3327305 | 15899558.9 |        |
| 3327609 | Bastille Networks, Inc.                                                                                                                   | 30/10/2015 | 3327609 | 18152451.3 |        |
| 3327621 | Valeo Schalter und Sensoren GmbH                                                                                                          | 14/11/2017 | 3327621 | 17201655.2 | German |
| 3328058 | Samsung Electronics Co., Ltd.                                                                                                             | 17/07/2017 | 3328058 | 17181576.4 |        |
| 3329013 | American International Biotechnology,<br>LLC<br>The U.S.A. as represented by the<br>Secretary, Department of Health and<br>Human Services | 29/07/2016 | 3329013 | 16750580.9 |        |
| 3329072 | Iseo Serrature S.p.A.                                                                                                                     | 19/07/2016 | 3329072 | 16739504.5 |        |
| 3329229 | Micro Motion, Inc.                                                                                                                        | 27/07/2015 | 3329229 | 15745123.8 |        |
| 3329248 | TRUMPF Photonic Components GmbH                                                                                                           | 14/07/2016 | 3329248 | 16739114.3 |        |
| 3329426 | CareFusion 303, Inc.                                                                                                                      | 08/07/2016 | 3329426 | 16751377.9 |        |
| 3329569 | Legrand France<br>Legrand SNC                                                                                                             | 18/07/2016 | 3329569 | 16750974.4 | French |
| 3329698 | Greeneden U.S. Holdings II, LLC                                                                                                           | 28/07/2016 | 3329698 | 16831385.6 |        |
| 3329725 | Google LLC                                                                                                                                | 29/07/2016 | 3329725 | 16748454.2 |        |

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| 3329800 | Taiki Corp., Ltd.                                                                                                                              | 11/07/2016 | 3329800 | 16830286.7 |        |
| 3329805 | Aichinger GmbH                                                                                                                                 | 01/12/2017 | 3329805 | 17204863.9 | German |
| 3329917 | DAIICHI SANKYO COMPANY,<br>LIMITED<br>The University Of Tokyo                                                                                  | 29/07/2016 | 3329917 | 16830602.5 |        |
| 3330050 | Ren, Xiangrong                                                                                                                                 | 31/07/2015 | 3330050 | 15899937.5 |        |
| 3330195 | Focke & Co. (GmbH & Co. KG)                                                                                                                    | 17/11/2017 | 3330195 | 17001885.7 | German |
| 3330237 | Nippon Sheet Glass Company, Limited                                                                                                            | 11/07/2016 | 3330237 | 16832471.3 |        |
| 3330291 | Eisai R&D Management Co., Ltd.                                                                                                                 | 13/07/2012 | 3330291 | 17196948.8 |        |
| 3330331 | Chugoku Marine Paints, Ltd.                                                                                                                    | 29/07/2016 | 3330331 | 16832940.7 |        |
| 3330985 | JFE Precision Corporation<br>Tokin Corporation<br>JFE Steel Corporation<br>National Institute of Advanced<br>Industrial Science and Technology | 28/07/2016 | 3330985 | 16832510.8 |        |
| 3331121 | Samsung SDI Co., Ltd.                                                                                                                          | 05/12/2016 | 3331121 | 16202197.6 |        |
| 3331225 | Beijing Xiaomi Mobile Software Co.,<br>Ltd.                                                                                                    | 30/11/2017 | 3331225 | 17204708.6 |        |
| 3331429 | METRITRACK, INC.                                                                                                                               | 05/07/2016 | 3331429 | 16821869.1 |        |
| 3331587 | Fresenius Medical Care Deutschland<br>GmbH                                                                                                     | 26/07/2016 | 3331587 | 16742326.8 | German |
| 3332283 | Global Life Sciences Solutions USA<br>LLC                                                                                                      | 18/07/2016 | 3332283 | 16831056.3 |        |
| 3332437 | Toyota Motor Europe<br>Centre National de la Recherche<br>Scientifique                                                                         | 15/07/2015 | 3332437 | 15784153.7 |        |
| 3332471 | ABB Schweiz AG                                                                                                                                 | 01/07/2016 | 3332471 | 16733115.6 |        |
| 3332749 | TORNIER                                                                                                                                        | 06/12/2016 | 3332749 | 16306625.1 |        |
| 3332858 | Carl Freudenberg KG                                                                                                                            | 07/12/2016 | 3332858 | 16202649.6 | German |
| 3333023 | TOYOTA JIDOSHA KABUSHIKI<br>KAISHA                                                                                                             | 08/12/2017 | 3333023 | 17206198.8 |        |
| 3333688 | LG Electronics Inc.                                                                                                                            | 05/07/2017 | 3333688 | 17001152.2 |        |
| 3334157 | LG Electronics Inc.                                                                                                                            | 15/07/2016 | 3334157 | 16833209.6 |        |
| 3335383 | LG Electronics Inc.                                                                                                                            | 19/07/2016 | 3335383 | 16835328.2 |        |
| 3335512 | Telefonaktiebolaget LM Ericsson (publ)                                                                                                         | 08/07/2016 | 3335512 | 16745876.9 |        |
| 3335990 | Goodrich Corporation                                                                                                                           | 15/12/2017 | 3335990 | 17207801.6 |        |
| 3336234 | LG Electronics Inc.                                                                                                                            | 18/07/2017 | 3336234 | 17181880.0 |        |

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|---------|--------------------------------------------------|------------|---------|------------|--------|
| 3336473 | AIT Austrian Institute of Technology GmbH        | 06/11/2017 | 3336473 | 17200136.4 | German |
| 3336554 | Shimadzu Corporation                             | 09/07/2015 | 3336554 | 15897737.1 |        |
| 3336918 | NovaLED GmbH                                     | 13/12/2016 | 3336918 | 16203671.9 |        |
| 3337175 | LG Electronics Inc.                              | 03/09/2012 | 3337175 | 18154937.9 |        |
| 3337267 | Huawei Technologies Co., Ltd.                    | 09/07/2012 | 3337267 | 17196610.4 |        |
| 3339098 | NINGBO JINGCHENG CAR INDUSTRY CO., LTD.          | 04/02/2016 | 3339098 | 16838217.4 |        |
| 3339532 | Bluschis, Marc                                   | 21/12/2017 | 3339532 | 17209256.1 | German |
| 3339546 | dormakaba Deutschland GmbH                       | 27/07/2017 | 3339546 | 17183588.7 | German |
| 3340443 | Mahle International GmbH                         | 22/12/2016 | 3340443 | 16206220.2 |        |
| 3340446 | Renesas Electronics Corporation                  | 09/11/2017 | 3340446 | 17200783.3 |        |
| 3340672 | Samsung Electronics Co., Ltd.                    | 10/10/2016 | 3340672 | 16855681.9 |        |
| 3341231 | Renault s.a.s.                                   | 28/07/2016 | 3341231 | 16760766.2 | French |
| 3342091 | ISSM<br>Thales Dis France SA                     | 05/07/2016 | 3342091 | 16736093.2 |        |
| 3342264 | Robert Bosch GmbH                                | 19/12/2017 | 3342264 | 17208514.4 | German |
| 3342610 | Ford Otomotiv Sanayi Anonim Sirketi              | 30/12/2016 | 3342610 | 16207498.3 |        |
| 3342713 | Safran Aerosystems                               | 26/10/2017 | 3342713 | 17198617.7 | French |
| 3343298 | Hewlett-Packard Development Company, L.P.        | 10/07/2017 | 3343298 | 17180577.3 |        |
| 3343624 | LG Display Co., Ltd.                             | 10/07/2017 | 3343624 | 17180533.6 |        |
| 3343699 | Tionesta, LLC                                    | 29/12/2017 | 3343699 | 17211143.7 |        |
| 3343732 | LG Innotek Co., Ltd.                             | 11/07/2016 | 3343732 | 16839433.6 |        |
| 3343792 | Datang Mobile Communications Equipment Co., Ltd. | 21/07/2016 | 3343792 | 16838454.3 |        |
| 3343892 | KYOCERA Document Solutions Inc.                  | 21/12/2017 | 3343892 | 17209665.3 |        |
| 3343972 | Simmonds Precision Products, Inc.                | 22/12/2017 | 3343972 | 17210243.6 |        |
| 3344173 | DePuy Synthes Products, Inc.                     | 06/09/2016 | 3344173 | 16767106.4 |        |
| 3344301 | University of the Witwatersrand, Johannesburg    | 05/09/2016 | 3344301 | 16778454.5 |        |
| 3345436 | Deutsche Telekom AG                              | 15/07/2016 | 3345436 | 16739160.6 |        |
| 3345446 | Huawei Technologies Co., Ltd.                    | 19/09/2016 | 3345446 | 16850284.7 |        |
| 3345611 | Probiotical S.p.A.                               | 31/12/2013 | 3345611 | 18157714.9 |        |
| 3345645 | Fisher & Paykel Healthcare Limited               | 22/06/2012 | 3345645 | 17202175.0 |        |
| 3346077 | Simonswerk GmbH                                  | 03/01/2018 | 3346077 | 18150227.9 | German |

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|---------|-----------------------------------------------------------------|------------|---------|------------|--------|
| 3346387 | HUAWEI TECHNOLOGIES CO., LTD.                                   | 11/11/2016 | 3346387 | 16898146.2 |        |
| 3346790 | Intel IP Corporation                                            | 26/07/2013 | 3346790 | 18154778.7 |        |
| 3347625 | Renault S.A.S.                                                  | 05/09/2016 | 3347625 | 16775774.9 | French |
|         | Nissan Motor Company, Limited                                   |            |         |            |        |
| 3347681 | Renishaw Plc.                                                   | 08/09/2016 | 3347681 | 16766053.9 |        |
| 3348227 | Kulzer GmbH                                                     | 05/06/2013 | 3348227 | 18151067.8 | German |
| 3348327 | CREATIVE TECHNOLOGY CORPORATION                                 | 08/09/2016 | 3348327 | 16844460.2 |        |
| 3348426 | Sumitomo Rubber Industries, Ltd.                                | 21/10/2016 | 3348426 | 16859724.3 |        |
| 3348718 | BLANCO GmbH + Co KG                                             | 08/01/2018 | 3348718 | 18150617.1 | German |
| 3349480 | Vestel Elektronik Sanayi ve Ticaret A.S.                        | 16/01/2017 | 3349480 | 17151645.3 |        |
| 3349718 | Colgate-Palmolive Company                                       | 15/09/2016 | 3349718 | 16778934.6 |        |
| 3349953 | GED Integrated Solutions, Inc.                                  | 15/09/2016 | 3349953 | 16847285.0 |        |
| 3350599 | Università degli Studi di Roma "La Sapienza"                    | 19/09/2016 | 3350599 | 16767265.8 |        |
| 3351018 | PSS Belgium N.V.                                                | 08/07/2016 | 3351018 | 16736483.5 |        |
| 3351185 | Alphatec Spine, Inc.                                            | 02/03/2015 | 3351185 | 18159774.1 |        |
| 3351486 | Capsol S.p.A.                                                   | 22/01/2018 | 3351486 | 18152698.9 |        |
| 3351540 | Zhejiang Jingxin Pharmaceutical Co., Ltd.                       | 14/09/2016 | 3351540 | 16845713.3 |        |
|         | Shanghai Jingxin Biomedical Co., Ltd.                           |            |         |            |        |
|         | Shangyu Jingxin Pharmaceutical Co., Ltd.                        |            |         |            |        |
| 3351620 | Regeneron Pharmaceuticals, Inc.                                 | 10/10/2014 | 3351620 | 18161278.9 |        |
| 3352754 | The Trustees of Columbia University in the City of New York     | 21/06/2017 | 3352754 | 17816127.9 |        |
| 3352805 | Council of Scientific and Industrial Research                   | 20/09/2016 | 3352805 | 16816419.2 |        |
| 3352922 | Novelis Inc.                                                    | 21/09/2016 | 3352922 | 16774773.2 |        |
| 3353248 | Ferro GmbH                                                      | 01/12/2016 | 3353248 | 16805788.3 | German |
| 3353500 | FOS4X GmbH                                                      | 20/09/2016 | 3353500 | 16767294.8 | German |
| 3354022 | Qualcomm Incorporated                                           | 21/09/2016 | 3354022 | 16775937.2 |        |
| 3354218 | Gyrus ACMI, Inc. (D.B.A. Olympus Surgical Technologies America) | 18/01/2018 | 3354218 | 18152279.8 |        |
| 3354841 | OneSubsea IP UK Limited                                         | 28/11/2017 | 3354841 | 17204188.1 |        |

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|---------|-------------------------------------------------------------------------|------------|---------|------------|--------|
| 3354905 | KYB Corporation                                                         | 21/09/2016 | 3354905 | 16848612.4 |        |
| 3354945 | United Technologies Corporation                                         | 10/01/2018 | 3354945 | 18151059.5 |        |
| 3355331 | LSIS Co., Ltd.                                                          | 30/03/2017 | 3355331 | 17163717.6 |        |
| 3355557 | BlackBerry Limited                                                      | 29/07/2009 | 3355557 | 17209249.6 |        |
| 3355906 | CHU Clermont-Ferrand                                                    | 29/09/2016 | 3355906 | 16788156.4 | French |
| 3356188 | Relectrify Pty Ltd                                                      | 29/09/2016 | 3356188 | 16849956.4 |        |
| 3356251 | 3M Innovative Properties Company                                        | 30/09/2015 | 3356251 | 15905101.0 |        |
| 3356551 | Université Nice Sophia Antipolis                                        | 29/09/2016 | 3356551 | 16775236.9 |        |
|         | INSERM (Institut National de la Santé<br>et de la Recherche Médicale)   |            |         |            |        |
|         | Assistance Publique-Hôpitaux de Paris<br>(APHP)                         |            |         |            |        |
| 3356740 | Arndt, Paul Riis                                                        | 21/09/2016 | 3356740 | 16779007.0 |        |
| 3357166 | ADC Telecommunications Inc.                                             | 03/10/2016 | 3357166 | 16852831.3 |        |
| 3357385 | Daio Paper Corporation                                                  | 04/08/2016 | 3357385 | 16850889.3 |        |
| 3358031 | Nippon Steel Corporation                                                | 28/09/2016 | 3358031 | 16851658.1 |        |
| 3358263 | I.V.A.R. S.P.A.                                                         | 23/01/2018 | 3358263 | 18152988.4 |        |
| 3358286 | Schneider Electric IT Corporation                                       | 01/02/2018 | 3358286 | 18154733.2 |        |
| 3358581 | Nippon Steel Corporation                                                | 29/09/2016 | 3358581 | 16851805.8 |        |
| 3358975 | Nike Innovate C.V.                                                      | 06/10/2016 | 3358975 | 16784652.6 |        |
| 3359739 | JSP Limited                                                             | 14/09/2016 | 3359739 | 16777738.2 |        |
| 3359854 | CYTO365 AB                                                              | 07/10/2016 | 3359854 | 16853996.3 |        |
| 3359869 | Landmark Graphics Corporation                                           | 06/10/2015 | 3359869 | 15905937.7 |        |
| 3360157 | Heptagon Micro Optics Pte. Ltd.                                         | 07/10/2016 | 3360157 | 16854003.7 |        |
| 3360209 | IPG Photonics Corporation                                               | 22/09/2016 | 3360209 | 16854070.6 |        |
| 3360250 | Huawei Technologies Co., Ltd.                                           | 18/11/2015 | 3360250 | 15797304.1 |        |
| 3360455 | LG Electronics Inc.                                                     | 05/07/2011 | 3360455 | 18158890.6 |        |
| 3360832 | Airbus Defence and Space, S.A.U.                                        | 10/02/2017 | 3360832 | 17382065.5 |        |
| 3361083 | Cummins, Inc.                                                           | 07/02/2018 | 3361083 | 18155557.4 |        |
| 3361117 | Beijing Bei Mo Gao Ke Friction<br>Material Co. Ltd                      | 20/04/2017 | 3361117 | 17818892.6 |        |
| 3361512 | Intel Corporation                                                       | 20/12/2011 | 3361512 | 18164957.5 |        |
| 3361648 | Fraunhofer-Gesellschaft zur Förderung<br>der angewandten Forschung e.V. | 08/02/2017 | 3361648 | 17155201.1 |        |
| 3361955 | EMTensor GmbH                                                           | 16/10/2016 | 3361955 | 16856382.3 |        |
| 3362212 | Hartmetall-Werkzeugfabrik Paul Horn<br>GmbH                             | 31/01/2017 | 3362212 | 17702368.6 | German |

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| 3362426 | BASF SE                                                       | 11/10/2016 | 3362426 | 16784149.3 |        |
| 3364079 | NOK Corporation                                               | 11/10/2016 | 3364079 | 16855374.1 |        |
| 3364087 | Hui Zhou Win Merchant Tour Products Co., Ltd.                 | 09/08/2017 | 3364087 | 17185446.6 |        |
| 3364565 | Rtone<br>Institut National des Sciences<br>Appliquées de Lyon | 19/02/2018 | 3364565 | 18157382.5 | French |
| 3364690 | Samsung Electronics Co., Ltd.                                 | 08/12/2016 | 3364690 | 16881986.0 |        |
| 3364708 | NTT DoCoMo, Inc.                                              | 15/02/2017 | 3364708 | 17156245.7 |        |
| 3364928 | ESSITY HYGIENE AND HEALTH<br>AKTIEBOLAG                       | 20/10/2015 | 3364928 | 15906801.4 |        |
| 3365700 | XenomatiX NV                                                  | 24/10/2016 | 3365700 | 16794954.4 |        |
| 3366064 | Telefonaktiebolaget LM Ericsson<br>(PUBL)                     | 21/10/2015 | 3366064 | 15906803.0 |        |
| 3366684 | Takeda Pharmaceutical Company<br>Limited                      | 21/10/2016 | 3366684 | 16857592.6 |        |
| 3367381 | Nokia Technologies Oy                                         | 15/02/2008 | 3367381 | 18166266.9 |        |
| 3367518 | Samsung Electronics Co., Ltd.                                 | 10/01/2017 | 3367518 | 17738618.2 |        |
| 3367590 | Nippon Telegraph and Telephone<br>Corporation                 | 22/11/2016 | 3367590 | 16868554.3 |        |
| 3367750 | Origin Company, Limited                                       | 15/09/2017 | 3367750 | 17852996.2 |        |
| 3367913 | Pop Test LLC                                                  | 09/09/2016 | 3367913 | 16845095.5 |        |
| 3368309 | ContiTech Transportbandsysteme<br>GmbH                        | 27/10/2016 | 3368309 | 16860777.8 |        |
| 3368502 | Calera Corporation                                            | 28/10/2016 | 3368502 | 16860934.5 |        |
| 3368958 | Preh GmbH                                                     | 27/10/2016 | 3368958 | 16788500.3 | German |
| 3368968 | Société BIC                                                   | 26/10/2016 | 3368968 | 16809121.3 | French |
| 3369096 | NuScale Power, LLC                                            | 29/04/2016 | 3369096 | 16747919.5 |        |
| 3369219 | Google LLC                                                    | 22/12/2016 | 3369219 | 16826591.6 |        |
| 3369262 | Qualcomm Incorporated                                         | 23/09/2016 | 3369262 | 16778956.9 |        |
| 3369265 | NEC Corporation                                               | 28/10/2016 | 3369265 | 16788692.8 |        |
| 3369330 | Shenzhen First Union Technology Co.,<br>Ltd.                  | 15/06/2018 | 3369330 | 18177948.9 |        |
| 3369492 | Sumitomo Electric Industries, Ltd.<br>A.L.M.T. Corp.          | 19/10/2016 | 3369492 | 16859654.2 |        |
| 3369509 | AMADA CO., LTD.<br>Amada Machinery Co., Ltd.                  | 27/09/2016 | 3369509 | 16859459.6 |        |

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| 3369994 | Viessmann Werke GmbH & Co. KG                                                                             | 28/02/2018 | 3369994 | 18159104.1 | German |
| 3370024 | CISDI Engineering Co., Ltd                                                                                | 19/07/2016 | 3370024 | 16858751.7 |        |
| 3370128 | Honeywell International Inc.                                                                              | 28/02/2018 | 3370128 | 18159333.6 |        |
| 3370157 | TAP AROUND INC.                                                                                           | 27/10/2015 | 3370157 | 15907214.9 |        |
| 3370399 | GUANGDONG OPPO MOBILE<br>TELECOMMUNICATIONS CORP.,<br>LTD.                                                | 13/12/2017 | 3370399 | 17207025.2 |        |
| 3370432 | Hu, Qiang                                                                                                 | 14/07/2016 | 3370432 | 16858560.2 |        |
| 3370549 | Academia Sinica<br>Industrial Technology Research<br>Institute                                            | 03/11/2016 | 3370549 | 16862981.4 |        |
| 3370572 | Mediamation, Inc.<br>Jamele, Daniel Robert<br>Kawakami, Takayoshi<br>Ryle, Jordan Wolf<br>Boda, Ryan Adam | 03/11/2016 | 3370572 | 16863008.5 |        |
| 3371502 | National Oilwell Varco Denmark I/S                                                                        | 01/11/2016 | 3371502 | 16861639.9 |        |
| 3371505 | MOVR Designs Limited                                                                                      | 12/10/2016 | 3371505 | 16784244.2 |        |
| 3371879 | Bombardier Transportation GmbH                                                                            | 27/10/2016 | 3371879 | 16787878.4 |        |
| 3371888 | Xilinx, Inc.                                                                                              | 09/09/2016 | 3371888 | 16778502.1 |        |
| 3371947 | Siemens Aktiengesellschaft                                                                                | 14/12/2015 | 3371947 | 15823434.4 |        |
| 3372014 | QUALCOMM Incorporated                                                                                     | 21/09/2016 | 3372014 | 16778564.1 |        |
| 3372143 | Viking Systems, Inc.                                                                                      | 22/10/2012 | 3372143 | 18165022.7 |        |
| 3372944 | Heckler & Koch GmbH                                                                                       | 07/03/2018 | 3372944 | 18160522.1 | German |
| 3373066 | LG Innotek Co., Ltd.                                                                                      | 02/11/2016 | 3373066 | 16862409.6 |        |
| 3373098 | Samsung Electronics Co., Ltd.                                                                             | 07/03/2018 | 3373098 | 18160418.2 |        |
| 3373520 | Huawei Technologies Co., Ltd.                                                                             | 25/11/2016 | 3373520 | 16868038.7 |        |
| 3373594 | Facebook Technologies, LLC                                                                                | 16/01/2018 | 3373594 | 18151920.8 |        |
| 3374099 | Rotzinger AG                                                                                              | 25/10/2016 | 3374099 | 16788657.1 | German |
| 3374161 | EOS GmbH Electro Optical Systems                                                                          | 20/12/2016 | 3374161 | 16815853.3 | German |
| 3375138 | Telefonaktiebolaget LM Ericsson (publ)                                                                    | 09/11/2015 | 3375138 | 15791297.3 |        |
| 3375249 | Telefonaktiebolaget LM Ericsson<br>(PUBL)                                                                 | 10/11/2015 | 3375249 | 15908393.0 |        |
| 3375257 | OSRAM GmbH                                                                                                | 26/10/2016 | 3375257 | 16788663.9 | German |
| 3375619 | Ricoh Company, Ltd.                                                                                       | 13/03/2018 | 3375619 | 18161556.8 |        |
| 3375992 | Isuzu Motors Limited                                                                                      | 11/11/2016 | 3375992 | 16864363.3 |        |
| 3376000 | Isuzu Motors Limited                                                                                      | 11/11/2016 | 3376000 | 16864383.1 |        |

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| 3376657 | CRRC Zhuzhou Institute Co., Ltd.                                                                            | 01/11/2016 | 3376657 | 16863565.4 |        |
| 3377905 | Queen Mary University of London                                                                             | 16/11/2016 | 3377905 | 16795379.3 |        |
| 3378534 | Mizuho Information & Research<br>Institute, Inc.<br>National University Corporation<br>Hiroshima University | 02/11/2016 | 3378534 | 16866156.9 |        |
| 3378782 | Hamilton Sundstrand Corporation                                                                             | 22/03/2018 | 3378782 | 18163454.4 |        |
| 3378891 | Zeon Corporation                                                                                            | 16/11/2016 | 3378891 | 16866359.9 |        |
| 3378935 | Yamahara, Kenichi                                                                                           | 16/11/2016 | 3378935 | 16866357.3 |        |
| 3378960 | Hitachi Chemical Company, Ltd.                                                                              | 28/02/2014 | 3378960 | 18168852.4 |        |
| 3379117 | Mitsubishi Electric Corporation                                                                             | 20/11/2015 | 3379117 | 15908830.1 |        |
| 3379843 | YAMAHA CORPORATION                                                                                          | 19/03/2018 | 3379843 | 18162573.2 |        |
| 3379881 | Huawei Technologies Co., Ltd.                                                                               | 15/12/2015 | 3379881 | 15910484.3 |        |
| 3380224 | BASF SE                                                                                                     | 08/11/2016 | 3380224 | 16793855.4 |        |
| 3380225 | BASF SE                                                                                                     | 08/11/2016 | 3380225 | 16793856.2 |        |
| 3380237 | Mologic Ltd                                                                                                 | 23/11/2016 | 3380237 | 16804862.7 |        |
| 3380279 | Commissariat à l'Énergie Atomique et<br>aux Énergies Alternatives                                           | 16/11/2016 | 3380279 | 16798462.4 | French |
| 3380438 | THALES                                                                                                      | 25/11/2016 | 3380438 | 16801771.3 | French |
| 3380443 | Dow Global Technologies, LLC                                                                                | 16/11/2016 | 3380443 | 16810137.6 |        |
| 3380444 | SGL Carbon SE                                                                                               | 24/11/2016 | 3380444 | 16805750.3 | German |
| 3380487 | Bristol-Myers Squibb Company                                                                                | 22/11/2016 | 3380487 | 16816042.2 |        |
| 3380534 | Dow Global Technologies, LLC<br>Rohm and Haas Company                                                       | 24/11/2015 | 3380534 | 15909017.4 |        |
| 3380654 | Constellium Neuf-Brisach                                                                                    | 21/11/2016 | 3380654 | 16819127.8 | French |
| 3380756 | Sew-Eurodrive GmbH & Co. KG                                                                                 | 27/10/2016 | 3380756 | 16808916.7 | German |
| 3381028 | Saf-t-Glo Limited                                                                                           | 28/11/2016 | 3381028 | 16804892.4 |        |
| 3381149 | Qualcomm Incorporated                                                                                       | 15/11/2016 | 3381149 | 16805940.0 |        |
| 3381269 | Deere & Company                                                                                             | 31/03/2017 | 3381269 | 17164261.4 |        |
| 3381334 | STI Co., Ltd.                                                                                               | 19/11/2013 | 3381334 | 18172561.5 |        |
| 3381374 | Echosens                                                                                                    | 27/03/2017 | 3381374 | 17163075.9 |        |
| 3381717 | Sumitomo Rubber Industries, Ltd.                                                                            | 28/03/2018 | 3381717 | 18164789.2 |        |
| 3381836 | Henkel AG & Co. KGaA                                                                                        | 02/03/2018 | 3381836 | 18159636.2 | German |
| 3382127 | FUCHS Europoles Besitz GmbH & Co.<br>KG                                                                     | 31/03/2017 | 3382127 | 17164060.0 | German |
| 3382222 | THK CO., LTD.                                                                                               | 14/10/2016 | 3382222 | 16868286.2 |        |
| 3382359 | Huawei Technologies Co., Ltd.                                                                               | 21/12/2016 | 3382359 | 16877725.8 |        |

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| 3382498 | R.F. Tech Co., Ltd.<br>Samsung Electronics Co., Ltd.               | 09/02/2018 | 3382498 | 18155912.1 |        |
| 3382798 | Huawei Technologies Co., Ltd.                                      | 24/12/2015 | 3382798 | 15911136.8 |        |
| 3382943 | Intraway R&D S.A.                                                  | 28/03/2018 | 3382943 | 18164788.4 |        |
| 3383072 | Conviva Wireless, LLC                                              | 23/07/2012 | 3383072 | 18168034.9 |        |
| 3383662 | Entrust Datacard Corporation                                       | 30/12/2016 | 3383662 | 16884229.2 |        |
| 3384638 | Marvell Asia Pte, Ltd.                                             | 30/11/2016 | 3384638 | 16816086.9 |        |
| 3384925 | Hanmi Pharm. Co., Ltd.                                             | 25/07/2013 | 3384925 | 18169490.2 |        |
| 3385355 | Nanoco Technologies Ltd                                            | 04/03/2015 | 3385355 | 18168802.9 |        |
| 3385679 | Melexis Technologies SA                                            | 27/03/2018 | 3385679 | 18164283.6 |        |
| 3385720 | F. Hoffmann-La Roche AG                                            | 05/04/2017 | 3385720 | 17165075.7 |        |
| 3385793 | Zhuhai Seine Technology Co., Ltd.                                  | 09/12/2016 | 3385793 | 16880930.9 |        |
| 3386044 | Hangzhou Estai Medical Technology Co., Ltd.<br>Tsinghua University | 14/01/2016 | 3386044 | 16869473.5 |        |
| 3386448 | Poly-Med Inc.                                                      | 10/12/2016 | 3386448 | 16873488.7 |        |
| 3386867 | Illinois Tool Works Inc.                                           | 07/12/2016 | 3386867 | 16823379.9 |        |
| 3386868 | CMD Corporation                                                    | 09/12/2016 | 3386868 | 16825606.3 |        |
| 3387347 | Whirlpool Corporation                                              | 22/11/2016 | 3387347 | 16873586.8 |        |
| 3387357 | C-Tec Constellium Technology Center                                | 07/12/2016 | 3387357 | 16819612.9 | French |
| 3387666 | Ion Beam Services                                                  | 05/12/2016 | 3387666 | 16825798.8 | French |
| 3387826 | Microsoft Technology Licensing, LLC                                | 10/02/2017 | 3387826 | 17707446.5 |        |
| 3388176 | AMADA CO., LTD.<br>Amada Machinery Co., Ltd.                       | 30/11/2016 | 3388176 | 16872878.0 |        |
| 3388610 | Acomax GmbH                                                        | 04/04/2018 | 3388610 | 18165613.3 | German |
| 3389148 | Yazaki Europe Ltd.                                                 | 10/04/2017 | 3389148 | 17165755.4 |        |
| 3389178 | AUDI AG                                                            | 22/03/2018 | 3389178 | 18163260.5 | German |
| 3389208 | LG Electronics Inc.                                                | 09/12/2016 | 3389208 | 16873386.3 |        |
| 3389235 | Cisco Technology, Inc.                                             | 25/07/2017 | 3389235 | 17183149.8 |        |
| 3389259 | Panasonic Intellectual Property Management Co., Ltd.               | 02/12/2016 | 3389259 | 16872612.3 |        |
| 3389303 | Nokia Solutions and Networks Oy                                    | 14/04/2017 | 3389303 | 17166699.3 |        |
| 3389329 | Huawei Technologies Co., Ltd.                                      | 31/12/2015 | 3389329 | 15912015.3 |        |
| 3389893 | Robert Bosch GmbH                                                  | 30/11/2016 | 3389893 | 16805372.6 | German |
| 3390662 | Safeguard Biosystems Holdings Ltd.                                 | 16/12/2016 | 3390662 | 16822651.2 |        |
| 3390825 | Graco Minnesota Inc.                                               | 16/12/2016 | 3390825 | 16876790.3 |        |
| 3390894 | TE Connectivity Nederland B.V.                                     | 14/03/2016 | 3390894 | 16711193.9 |        |

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| 3390914 | BSH Hausgeräte GmbH                                                                            | 24/11/2016 | 3390914 | 16805525.9 |        |
| 3391291 | Thales Dis France SA                                                                           | 12/12/2016 | 3391291 | 16809073.6 | French |
| 3392360 | Hitachi Metals, Ltd.                                                                           | 29/09/2016 | 3392360 | 16875206.1 |        |
| 3392899 | Nec Network And Sensor Systems, Ltd.                                                           | 14/12/2016 | 3392899 | 16875657.5 |        |
| 3392959 | COMMISSARIAT À L'ÉNERGIE<br>ATOMIQUE ET AUX ÉNERGIES<br>ALTERNATIVES                           | 11/04/2018 | 3392959 | 18166901.1 | French |
| 3393074 | HTC Corporation                                                                                | 20/04/2018 | 3393074 | 18168437.4 |        |
| 3393184 | Huawei Technologies Co., Ltd.                                                                  | 05/02/2016 | 3393184 | 16888811.3 |        |
| 3393359 | Trophy                                                                                         | 23/12/2015 | 3393359 | 15828660.9 |        |
| 3393852 | Hyva Holding BV                                                                                | 20/12/2016 | 3393852 | 16825377.1 |        |
| 3394456 | THK GmbH<br>Airbus Operations GmbH                                                             | 22/12/2016 | 3394456 | 16819561.8 |        |
| 3395013 | Telink Semiconductor (Shanghai) Co.,<br>LTD.                                                   | 27/12/2017 | 3395013 | 17857671.6 |        |
| 3395180 | SACMI PACKAGING &<br>CHOCOLATE S.P.A.                                                          | 27/04/2018 | 3395180 | 18169885.3 |        |
| 3395997 | POSCO                                                                                          | 02/12/2016 | 3395997 | 16879212.5 |        |
| 3396263 | Caverion Suomi Oy                                                                              | 18/04/2018 | 3396263 | 18167889.7 |        |
| 3396283 | ExxonMobil Upstream Research<br>Company                                                        | 14/06/2016 | 3396283 | 18177726.9 |        |
| 3396422 | Shiraishi Kogyo Kaisha, Ltd.                                                                   | 28/11/2016 | 3396422 | 16878262.1 |        |
| 3396910 | Microsemi Storage Solutions, Inc.                                                              | 12/04/2018 | 3396910 | 18167121.5 |        |
| 3397020 | LG Electronics Inc.                                                                            | 27/09/2013 | 3397020 | 18170886.8 |        |
| 3397523 | Huf Hülsbeck & Fürst GmbH & Co.<br>KG                                                          | 14/11/2016 | 3397523 | 16798678.5 | German |
| 3397789 | L'Air Liquide Société Anonyme pour<br>l'Etude et l'Exploitation des Procédés<br>Georges Claude | 12/12/2016 | 3397789 | 16882292.2 |        |
| 3397871 | Saint-Gobain Performance Plastics<br>Pampus GmbH                                               | 30/12/2016 | 3397871 | 16828754.8 |        |
| 3397895 | Signify Holding B.V.                                                                           | 28/12/2016 | 3397895 | 16882572.7 |        |
| 3398938 | Qingdao Kingagroot Chemical<br>Compounds Co., Ltd                                              | 04/03/2016 | 3398938 | 16880318.7 |        |
| 3398957 | Hybio Pharmaceutical Co., Ltd                                                                  | 20/12/2016 | 3398957 | 16881029.9 |        |
| 3399136 | Baker Hughes Holdings LLC                                                                      | 27/04/2011 | 3399136 | 18178701.1 |        |
| 3399779 | Huawei Technologies Co., Ltd.                                                                  | 12/07/2016 | 3399779 | 16889003.6 |        |

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|---------|------------------------------------------------------------|------------|---------|------------|--------|
| 3400185 | Twalib Mbarak Hatayan Limited                              | 22/03/2016 | 3400185 | 16721484.0 |        |
| 3400898 | Zadeh, Homayoun H.                                         | 10/05/2013 | 3400898 | 18177558.6 |        |
| 3400927 | Tosho, Inc.                                                | 22/12/2016 | 3400927 | 16883544.5 |        |
| 3400937 | Everfront Biotech Inc.                                     | 07/01/2016 | 3400937 | 16882919.0 |        |
| 3401374 | AGC Inc.                                                   | 27/12/2016 | 3401374 | 16883872.0 |        |
| 3401597 | Honeywell International Inc.                               | 29/03/2017 | 3401597 | 18174404.6 |        |
| 3401643 | Siemens Aktiengesellschaft                                 | 25/07/2017 | 3401643 | 17183000.3 |        |
| 3401742 | Siemens Aktiengesellschaft                                 | 09/05/2017 | 3401742 | 17170187.3 | German |
| 3401770 | Apple Inc.                                                 | 08/12/2017 | 3401770 | 17206177.2 |        |
| 3401782 | GUANGDONG OPPO MOBILE<br>TELECOMMUNICATIONS CORP.,<br>LTD. | 31/05/2017 | 3401782 | 17805842.6 |        |
| 3401973 | HITACHI CHEMICAL COMPANY,<br>LTD.                          | 06/01/2017 | 3401973 | 17736020.3 |        |
| 3402408 | Koninklijke Philips N.V.                                   | 09/01/2017 | 3402408 | 17701188.9 |        |
| 3402766 | USG Interiors, LLC                                         | 28/04/2016 | 3402766 | 16724510.9 |        |
| 3403003 | Magna PT B.V. & Co. KG                                     | 04/01/2017 | 3403003 | 17700046.0 | German |
| 3403458 | Qualcomm Incorporated                                      | 12/01/2017 | 3403458 | 17703825.4 |        |
| 3403598 | Medtronic Vascular Inc.                                    | 22/09/2014 | 3403598 | 18182465.7 |        |
| 3403624 | KCI Licensing, Inc.                                        | 30/07/2013 | 3403624 | 18179671.5 |        |
| 3403906 | Allison Transmission Inc.                                  | 17/05/2018 | 3403906 | 18172988.0 |        |
| 3403956 | KABUSHIKI KAISHA TOSHIBA<br>Toshiba TEC Kabushiki Kaisha   | 24/04/2018 | 3403956 | 18169015.7 |        |
| 3404080 | Gunvor Raffinerie Ingolstadt GmbH                          | 09/05/2018 | 3404080 | 18171422.1 | German |
| 3404097 | Enzymicals AG                                              | 01/07/2014 | 3404097 | 18182700.7 |        |
| 3405358 | Webasto SE                                                 | 18/01/2016 | 3405358 | 16700979.4 | German |
| 3405510 | Dow Global Technologies LLC                                | 09/01/2017 | 3405510 | 17702189.6 |        |
| 3405814 | SurgicEye GmbH                                             | 18/01/2017 | 3405814 | 17701823.1 |        |
| 3406462 | Sumitomo Rubber Industries, Ltd.                           | 12/12/2017 | 3406462 | 17894397.3 |        |
| 3406630 | Apogenix AG                                                | 18/07/2013 | 3406630 | 18166228.9 |        |
| 3406666 | Total Research & Technology Feluy                          | 22/09/2017 | 3406666 | 17192787.4 |        |
| 3406676 | Sakata INX Corporation                                     | 12/01/2017 | 3406676 | 17741282.2 |        |
| 3406813 | Easy Sanitary Solutions B.V.                               | 07/12/2011 | 3406813 | 18183158.7 |        |
| 3406924 | Mitsubishi Heavy Industries Engine &<br>Turbocharger, Ltd. | 01/03/2016 | 3406924 | 16892514.7 |        |
| 3407028 | Sony Corporation                                           | 05/01/2017 | 3407028 | 17741200.4 |        |
| 3407346 | Patlite Corporation                                        | 22/01/2016 | 3407346 | 16886355.3 |        |

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| 3407434 | Huawei Technologies Co., Ltd.                      | 15/07/2016 | 3407434 | 16908498.5 |        |
| 3407985 | Reaxing S.r.l.                                     | 27/01/2017 | 3407985 | 17713429.3 |        |
| 3408060 | Anile, Francesco                                   | 14/12/2016 | 3408060 | 16819264.9 |        |
| 3408128 | Toyota Motor Europe                                | 29/01/2016 | 3408128 | 16702404.1 |        |
| 3408868 | Flisom AG                                          | 23/01/2017 | 3408868 | 17703791.8 |        |
| 3409200 | H2L Inc.                                           | 27/01/2017 | 3409200 | 17744375.1 |        |
| 3409445 | Korea Institute of Science and<br>Technology       | 25/05/2018 | 3409445 | 18174309.7 |        |
| 3409501 | Oki Data Corporation                               | 21/05/2018 | 3409501 | 18173427.8 |        |
| 3409526 | MAN Truck & Bus SE                                 | 15/05/2018 | 3409526 | 18172220.8 | German |
| 3409741 | Citizen Watch Co., Ltd.                            | 27/01/2017 | 3409741 | 17744369.4 |        |
| 3410460 | Spacedesign Corporation                            | 26/07/2007 | 3410460 | 18182986.2 |        |
| 3410780 | InterDigital Patent Holdings, Inc.                 | 02/07/2013 | 3410780 | 18182930.0 |        |
| 3410826 | Signify Holding B.V.                               | 26/04/2011 | 3410826 | 18175539.8 |        |
| 3411286 | Marui, Shinji                                      | 01/02/2017 | 3411286 | 17747064.8 |        |
| 3411637 | Stangreciak, Malgorzata                            | 03/02/2017 | 3411637 | 17724898.6 |        |
| 3411785 | LZLabs GmbH                                        | 28/04/2017 | 3411785 | 17723765.8 |        |
| 3412485 | MAN Truck & Bus SE                                 | 22/05/2018 | 3412485 | 18173483.1 | German |
| 3412899 | Mazda Motor Corporation                            | 09/09/2016 | 3412899 | 16915723.7 |        |
| 3412918 | Zhejiang Sanhua Automotive<br>Components Co., Ltd. | 29/06/2016 | 3412918 | 18181222.3 |        |
| 3413361 | Liquidleds Lighting Corp.                          | 25/05/2016 | 3413361 | 18184625.4 |        |
| 3413503 | Huawei Technologies Co., Ltd.                      | 26/09/2016 | 3413503 | 16892322.5 |        |
| 3413626 | LG Electronics Inc.                                | 03/02/2017 | 3413626 | 17747785.8 |        |
| 3413732 | Philip Morris Products S.A.                        | 09/02/2017 | 3413732 | 17703191.1 |        |
| 3413828 | Servizi Ospedalieri S.p.A.                         | 07/02/2017 | 3413828 | 17712225.6 |        |
| 3413972 | Corning Incorporated                               | 10/02/2017 | 3413972 | 17710078.1 |        |
| 3414390 | HP Indigo B.V.                                     | 21/07/2016 | 3414390 | 16744352.2 |        |
| 3414932 | Hughes Network Systems, LLC                        | 10/02/2017 | 3414932 | 17750913.0 |        |
| 3416705 | Flextronics AP, LLC                                | 17/02/2017 | 3416705 | 17709239.2 |        |
| 3416744 | Arkema France                                      | 13/02/2017 | 3416744 | 17714269.2 |        |
| 3416874 | Valeo Systemes Thermiques                          | 08/11/2016 | 3416874 | 16809484.5 | French |
| 3416894 | Kainen, Dan                                        | 21/02/2017 | 3416894 | 17754038.2 |        |
| 3417112 | Green Entrans AS                                   | 15/02/2017 | 3417112 | 17753553.1 |        |
| 3417467 | Siemens Aktiengesellschaft                         | 29/03/2017 | 3417467 | 17716480.3 | German |
| 3417713 | Mastercoldbrewer AG                                | 22/06/2017 | 3417713 | 17001068.0 |        |
| 3418295 | IBA GmbH                                           | 17/07/2012 | 3418295 | 18168713.8 |        |

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|--------------|-------------------------------------------------|---------------------------------------------------------------|---------|------------|--------|
| 3418313      | Okamoto Chemical Industry Co., Ltd              | 15/02/2017                                                    | 3418313 | 17753191.0 |        |
| 3418320      | Wacker Chemie AG                                | 17/02/2017                                                    | 3418320 | 17753323.9 |        |
| 3418630      | Valeo Vision                                    | 05/06/2018                                                    | 3418630 | 18176159.4 | French |
| 3419389      | Insta GmbH                                      | 29/05/2018                                                    | 3419389 | 18174807.0 | German |
| 3419517      | The Charles Stark Draper Laboratory, Inc.       | 21/02/2017                                                    | 3419517 | 17708645.1 |        |
| 3419645      | Biokine Therapeutics Ltd.<br>BioLineRx Ltd.     | 23/02/2017                                                    | 3419645 | 17755946.5 |        |
| 3419673      | EyeServ GmbH                                    | 23/02/2017                                                    | 3419673 | 17707256.8 |        |
| 3419864      | Iveco S.p.A.                                    | 24/02/2017                                                    | 3419864 | 17716622.0 |        |
| 3419961      | Alcon Inc.                                      | 16/02/2017                                                    | 3419961 | 17709806.8 |        |
| 3420144      | Nachyla, Dariuwsz                               | 30/10/2016                                                    | 3420144 | 16820375.0 |        |
| 3420349      | Reime, Gerd                                     | 23/02/2017                                                    | 3420349 | 17709011.5 | German |
| 3421285      | LG Electronics Inc.                             | 25/06/2018                                                    | 3421285 | 18179644.2 |        |
| 3421734      | Rolls-Royce plc                                 | 01/05/2018                                                    | 3421734 | 18170239.0 |        |
| 3421752      | Garrett Transportation I Inc.                   | 10/05/2018                                                    | 3421752 | 18171726.5 |        |
| 3421888      | LG Electronics Inc.                             | 28/06/2018                                                    | 3421888 | 18180284.4 |        |
| 3422098      | Casio Computer Co., Ltd.                        | 27/06/2018                                                    | 3422098 | 18180048.3 |        |
| 3422660      | Huawei Technologies Co., Ltd.                   | 16/03/2017                                                    | 3422660 | 17769372.8 |        |
| 3422672      | Alibaba Group Holding Limited                   | 24/03/2017                                                    | 3422672 | 17773160.1 |        |
| 3422764      | Fujitsu Limited                                 | 18/06/2010                                                    | 3422764 | 18186852.2 |        |
| 3423113      | Oncodesign S.A.                                 | 28/02/2017                                                    | 3423113 | 17707055.4 |        |
| 3423148      | CorTec GmbH                                     | 23/02/2017                                                    | 3423148 | 17707519.9 | German |
| 3423514      | Semperit Aktiengesellschaft Holding             | 02/03/2017                                                    | 3423514 | 17717059.4 | German |
| 3424195      | Citrix Systems, Inc.                            | 07/03/2017                                                    | 3424195 | 17712346.0 |        |
| 3424260      | Telefonaktiebolaget LM Ericsson (PUBL)          | 03/03/2017                                                    | 3424260 | 17712237.1 |        |
| 3424287      | Robert Bosch GmbH                               | 21/06/2018                                                    | 3424287 | 18179028.8 | German |
| 3424503      | Santen Pharmaceutical Co., Ltd                  | 08/01/2015                                                    | 3424503 | 18190494.7 |        |
| 3424709      | manroland Goss web systems GmbH                 | 03/07/2018                                                    | 3424709 | 18181306.4 |        |
| 3424817      | AIRBUS HELICOPTERS<br>DEUTSCHLAND GmbH          | 06/07/2017                                                    | 3424817 | 17400041.4 |        |
| 3425017      | The Chemours Company FC, LLC                    | 03/03/2006                                                    | 3425017 | 18182081.2 |        |
| 3425217      | Thomann GmbH                                    | 05/07/2018                                                    | 3425217 | 18000577.9 | German |
| 3425279      | Doosan Heavy Industries & Construction Co., Ltd | 04/07/2018                                                    | 3425279 | 18181576.2 |        |
| 3425281      | General Electric Company                        | 04/07/2017                                                    | 3425281 | 17179478.7 |        |

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| 3425402 | Kaijo Corporation<br>Shinshu University<br>Shibuya Corporation   | 03/07/2018 | 3425402 | 18181546.5 |        |
| 3425552 | STMicroelectronics Application GmbH<br>STMicroelectronics S.r.l. | 19/06/2018 | 3425552 | 18178541.1 |        |
| 3425602 | Wincor Nixdorf International GmbH                                | 06/07/2017 | 3425602 | 17179978.6 |        |
| 3425632 | LENOVO ENTERPRISE SOLUTIONS<br>(SINGAPORE) PTE. LTD.             | 04/07/2018 | 3425632 | 18181775.0 |        |
| 3425871 | Metaswitch Networks Ltd                                          | 05/07/2018 | 3425871 | 18181989.7 |        |
| 3425958 | Huawei Technologies Co., Ltd.                                    | 30/03/2016 | 3425958 | 16895910.4 |        |
| 3425993 | LG Electronics Inc.                                              | 03/04/2017 | 3425993 | 17775938.8 |        |
| 3426400 | Arthrex Inc                                                      | 10/03/2017 | 3426400 | 17714063.9 |        |
| 3426441 | Hilti Aktiengesellschaft                                         | 07/03/2017 | 3426441 | 17708538.8 | German |
| 3426590 | Precision Pipe Lifter Pty Ltd                                    | 09/03/2017 | 3426590 | 17762339.4 |        |
| 3427211 | Thales Dis France SA                                             | 28/02/2017 | 3427211 | 17707567.8 |        |
| 3427540 | Illinois Tool Works, Inc.                                        | 07/03/2017 | 3427540 | 17712899.8 |        |
| 3427562 | Yanmar Co., Ltd.                                                 | 02/03/2017 | 3427562 | 17763055.5 |        |
| 3427809 | Hamilton Sundstrand Corporation                                  | 12/07/2018 | 3427809 | 18183275.9 |        |
| 3427861 | Sintokogio, Ltd.                                                 | 12/05/2017 | 3427861 | 17799305.2 |        |
| 3428027 | LG Electronics Inc.                                              | 05/07/2018 | 3428027 | 18181851.9 |        |
| 3428146 | International Flavors & Fragrances Inc.                          | 12/07/2018 | 3428146 | 18183276.7 |        |
| 3428395 | United Technologies Corporation                                  | 16/07/2018 | 3428395 | 18183784.0 |        |
| 3428404 | United Technologies Corporation                                  | 12/07/2018 | 3428404 | 18183205.6 |        |
| 3428408 | United Technologies Corporation                                  | 06/07/2018 | 3428408 | 18182317.0 |        |
| 3428427 | United Technologies Corporation                                  | 13/03/2014 | 3428427 | 18193412.6 |        |
| 3428442 | RENAULT s.a.s.                                                   | 12/07/2018 | 3428442 | 18183042.3 | French |
| 3428449 | General Electric Company                                         | 05/07/2018 | 3428449 | 18181923.6 |        |
| 3428458 | Deere & Company                                                  | 11/06/2018 | 3428458 | 18177000.9 |        |
| 3428485 | Poclain Hydraulics Industrie                                     | 11/07/2018 | 3428485 | 18182920.1 | French |
| 3428560 | LG Electronics Inc.                                              | 13/07/2018 | 3428560 | 18183349.2 |        |
| 3428740 | The Swatch Group Research and<br>Development Ltd                 | 14/07/2017 | 3428740 | 17181525.1 | French |
| 3428759 | Vorwerk & Co. Interholding GmbH                                  | 04/07/2018 | 3428759 | 18181667.9 | German |
| 3428798 | Huawei Technologies Co., Ltd.                                    | 01/04/2017 | 3428798 | 17778632.4 |        |
| 3429029 | Rosenberger Hochfrequenztechnik<br>GmbH & Co. KG                 | 02/07/2018 | 3429029 | 18181223.1 | German |
| 3429083 | ams International AG                                             | 13/07/2017 | 3429083 | 17181215.9 |        |

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| 3429234 | Huawei Technologies Co., Ltd.                                    | 27/04/2016 | 3429234 | 16899768.2 |        |
| 3429238 | Huawei Technologies Co., Ltd.                                    | 28/03/2016 | 3429238 | 16895815.5 |        |
| 3429270 | Telefonaktiebolaget LM Ericsson (publ)                           | 17/07/2013 | 3429270 | 18193261.7 |        |
| 3429579 | Septeos                                                          | 14/03/2017 | 3429579 | 17714859.0 | French |
| 3430180 | Salzgitter Flachstahl GmbH                                       | 10/03/2017 | 3430180 | 17710218.3 | German |
| 3430345 | REPKON Machine and Tool Industry<br>and Trade Inc.               | 27/01/2017 | 3430345 | 17702820.6 |        |
| 3430603 | Amazon Technologies, Inc.                                        | 15/03/2017 | 3430603 | 17767379.5 |        |
| 3430836 | Sony Corporation                                                 | 02/03/2017 | 3430836 | 17707351.7 |        |
| 3430870 | Sew-Eurodrive GmbH & Co. KG                                      | 14/02/2017 | 3430870 | 17706155.3 | German |
| 3430880 | Honda Motor Co., Ltd.                                            | 17/03/2016 | 3430880 | 16894414.8 |        |
| 3430889 | Lely Patent N.V.                                                 | 21/06/2018 | 3430889 | 18178956.1 |        |
| 3430967 | Karl Storz Imaging, Inc.                                         | 19/07/2018 | 3430967 | 18000614.0 |        |
| 3431008 | Samsung Medison Co., Ltd.                                        | 08/07/2014 | 3431008 | 18189632.5 |        |
| 3431241 | Comadur S.A.                                                     | 18/07/2017 | 3431241 | 17181836.2 | French |
| 3431261 | CL Schutzrechtsverwaltungs GmbH                                  | 21/07/2017 | 3431261 | 17182654.8 | German |
| 3431268 | Tetra Laval Holdings & Finance S.A.                              | 05/07/2018 | 3431268 | 18181884.0 |        |
| 3431301 | Toshiba TEC Kabushiki Kaisha                                     | 18/07/2018 | 3431301 | 18184225.3 |        |
| 3431330 | Kokinetics GmbH                                                  | 03/07/2018 | 3431330 | 18181366.8 | German |
| 3431335 | IVECO FRANCE S.A.S.                                              | 18/07/2018 | 3431335 | 18184158.6 |        |
| 3431386 | The Boeing Company                                               | 06/07/2018 | 3431386 | 18182214.9 |        |
| 3431406 | Toppan Printing Co., Ltd.                                        | 17/03/2016 | 3431406 | 16894274.6 |        |
| 3431482 | Samsung Display Co., Ltd.                                        | 19/07/2018 | 3431482 | 18184583.5 |        |
| 3431528 | The Boeing Company                                               | 18/07/2018 | 3431528 | 18184317.8 |        |
| 3431542 | Zeon Corporation                                                 | 13/03/2017 | 3431542 | 17766623.7 |        |
| 3431643 | Starlinger & Co Gesellschaft m.b.H.                              | 21/07/2017 | 3431643 | 17182491.5 | German |
| 3431715 | United Technologies Corporation                                  | 03/07/2018 | 3431715 | 18181543.2 |        |
| 3431795 | Ge Avio S.r.l.                                                   | 21/07/2017 | 3431795 | 17425077.9 |        |
| 3431809 | Goodrich Corporation                                             | 05/07/2018 | 3431809 | 18181905.3 |        |
| 3431822 | Hamilton Sundstrand Corporation                                  | 18/07/2017 | 3431822 | 17461569.0 |        |
| 3431953 | Sekisui Medical Co., Ltd.                                        | 13/03/2017 | 3431953 | 17766616.1 |        |
| 3431978 | Mettler-Toledo GmbH                                              | 17/07/2017 | 3431978 | 17181636.6 |        |
| 3432561 | Deutsche Telekom AG                                              | 17/07/2018 | 3432561 | 18183843.4 | German |
| 3432599 | Sonos, Inc.                                                      | 09/07/2012 | 3432599 | 18187618.6 |        |
| 3432644 | Deutsche Telekom AG<br>Giesecke+Devrient Mobile Security<br>GmbH | 18/07/2017 | 3432644 | 17181884.2 |        |

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| 3432887 | GlaxoSmithKline Intellectual Property Development Limited | 20/03/2017 | 3432887 | 17710980.8 |        |
| 3433162 | PSA Automobiles SA                                        | 09/02/2017 | 3433162 | 17709137.8 | French |
| 3433324 | Eastman Chemical Company                                  | 17/03/2017 | 3433324 | 17770857.5 |        |
| 3433378 | VIB VZW<br>Universiteit Gent                              | 22/03/2017 | 3433378 | 17713232.1 |        |
| 3433448 | PERI GMBH                                                 | 01/03/2017 | 3433448 | 17708472.0 | German |
| 3433542 | General Electric Company                                  | 23/03/2017 | 3433542 | 17715358.2 |        |
| 3433557 | Cryostar SAS                                              | 22/03/2017 | 3433557 | 17716577.6 | French |
| 3433726 | ARM Limited                                               | 21/03/2017 | 3433726 | 17713414.5 |        |
| 3433824 | Viessmann Werke GmbH & Co. KG                             | 23/03/2017 | 3433824 | 17713246.1 | German |
| 3433826 | Viessmann Werke GmbH & Co. KG                             | 23/03/2017 | 3433826 | 17713610.8 | German |
| 3433936 | Case Cam LLC                                              | 17/03/2017 | 3433936 | 17770874.0 |        |
| 3434028 | Microsoft Technology Licensing, LLC                       | 20/03/2017 | 3434028 | 17715572.8 |        |
| 3434346 | Medimmune, LLC                                            | 27/07/2011 | 3434346 | 18174165.3 |        |
| 3434348 | Hamilton Sundstrand Corporation                           | 23/07/2018 | 3434348 | 18185072.8 |        |
| 3434429 | Shavelogic, Inc.                                          | 25/07/2013 | 3434429 | 18195160.9 |        |
| 3434541 | Goodrich Corporation                                      | 23/07/2018 | 3434541 | 18184943.1 |        |
| 3434596 | United Technologies Corporation                           | 10/07/2018 | 3434596 | 18182767.6 |        |
| 3434633 | Toyo Jidoki Co., Ltd.                                     | 24/07/2018 | 3434633 | 18185191.6 |        |
| 3434738 | DAW SE                                                    | 28/07/2017 | 3434738 | 17183770.1 | German |
| 3434805 | The Boeing Company                                        | 12/07/2018 | 3434805 | 18183060.5 |        |
| 3434941 | United Technologies Corporation                           | 11/07/2018 | 3434941 | 18182962.3 |        |
| 3435256 | SAP SE                                                    | 20/07/2018 | 3435256 | 18184685.8 |        |
| 3435393 | ABB Schweiz AG                                            | 26/07/2017 | 3435393 | 17183377.5 |        |
| 3435622 | CyberArk Software Ltd.                                    | 06/09/2017 | 3435622 | 17189598.0 |        |
| 3436343 | Stellenbosch University                                   | 24/03/2017 | 3436343 | 17714906.9 |        |
| 3437372 | Intel IP Corporation                                      | 31/03/2017 | 3437372 | 17720290.0 |        |
| 3437841 | Tetra Laval Holdings & Finance S.A.                       | 30/07/2018 | 3437841 | 18186312.7 |        |
| 3438190 | Osaka Soda Co., Ltd.                                      | 27/03/2017 | 3438190 | 17774925.6 |        |
| 3438702 | Honeywell International Inc.                              | 31/07/2018 | 3438702 | 18186644.3 |        |
| 3438919 | Tencent Technology (Shenzhen) Company Limited             | 23/03/2017 | 3438919 | 17773137.9 |        |
| 3439041 | Panasonic Intellectual Property Management Co., Ltd.      | 25/07/2018 | 3439041 | 18185440.7 |        |
| 3439159 | Tridonic GmbH & Co. KG                                    | 19/07/2018 | 3439159 | 18184369.9 | German |
| 3439275 | Apple Inc.                                                | 20/05/2016 | 3439275 | 18196448.7 |        |

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|---------|-----------------------------------------------------------------------------------------------|------------|---------|------------|--------|
| 3439393 | China Academy of Telecommunications Technology                                                | 27/03/2017 | 3439393 | 17773176.7 |        |
| 3439905 | Renault S.A.S.                                                                                | 24/03/2017 | 3439905 | 17717477.8 | French |
| 3439953 | Optivector Ltd                                                                                | 03/04/2017 | 3439953 | 17778788.4 |        |
| 3439986 | Philip Morris Products S.A.                                                                   | 04/04/2017 | 3439986 | 17716492.8 |        |
| 3440784 | Huawei Technologies Co., Ltd.                                                                 | 29/04/2016 | 3440784 | 16720397.5 |        |
| 3440823 | Zamna Technologies Limited                                                                    | 05/04/2017 | 3440823 | 17729193.7 |        |
| 3440881 | Huawei Technologies Co., Ltd.                                                                 | 10/04/2017 | 3440881 | 17788620.7 |        |
| 3441129 | Karlsruher Institut für Technologie                                                           | 25/07/2018 | 3441129 | 18185454.8 | German |
| 3441351 | The Boeing Company                                                                            | 16/07/2018 | 3441351 | 18183816.0 |        |
| 3441385 | Mitsubishi Gas Chemical Company, Inc.                                                         | 04/04/2017 | 3441385 | 17779118.3 |        |
| 3441391 | Samsung Display Co., Ltd.                                                                     | 30/05/2018 | 3441391 | 18175088.6 |        |
| 3441479 | Exact Sciences Development Company, LLC<br>Mayo Foundation for Medical Education and Research | 02/02/2012 | 3441479 | 18179746.5 |        |
| 3442287 | Huawei Technologies Co., Ltd.                                                                 | 29/04/2016 | 3442287 | 16899842.5 |        |
| 3442443 | Ethicon LLC                                                                                   | 04/04/2017 | 3442443 | 17718259.9 |        |
| 3442771 | Persico S.p.A.                                                                                | 24/03/2017 | 3442771 | 17726383.7 |        |
| 3443343 | Total SA                                                                                      | 15/04/2016 | 3443343 | 16729042.8 |        |
| 3444044 | Amada Holdings Co., Ltd.                                                                      | 14/03/2017 | 3444044 | 17782173.3 |        |
| 3444172 | Caterpillar Inc.                                                                              | 25/07/2018 | 3444172 | 18185519.8 |        |
| 3444218 | KONE Corporation                                                                              | 30/07/2018 | 3444218 | 18186251.7 |        |
| 3444243 | FUJIFILM Toyama Chemical Co., Ltd.<br>FUJIFILM Corporation                                    | 30/03/2017 | 3444243 | 17775384.5 |        |
| 3444265 | Kine Sciences Co., Ltd.                                                                       | 21/03/2017 | 3444265 | 17770579.5 |        |
| 3444407 | Zhejiang Delifu Technology Co., Ltd                                                           | 13/09/2017 | 3444407 | 17190898.1 |        |
| 3444799 | Sony Corporation                                                                              | 21/05/2004 | 3444799 | 18183422.7 |        |
| 3445083 | Huawei Technologies Co., Ltd.                                                                 | 09/05/2016 | 3445083 | 16901216.8 |        |
| 3445196 | Nike Innovate C.V.                                                                            | 14/04/2017 | 3445196 | 17720349.4 |        |
| 3445891 | Oerlikon Surface Solutions AG,<br>Pfäffikon                                                   | 14/10/2016 | 3445891 | 16787325.6 |        |
| 3446422 | Telefonaktiebolaget LM Ericsson<br>(PUBL)                                                     | 22/04/2016 | 3446422 | 16718349.0 |        |
| 3446465 | Samsung Electronics Co., Ltd.                                                                 | 14/07/2017 | 3446465 | 17828008.7 |        |
| 3446633 | Elekta Ltd.                                                                                   | 09/07/2010 | 3446633 | 18200285.7 |        |

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|---------|----------------------------------------------------|------------|---------|------------|--------|
| 3446749 | Yantai Healing Technology Co., Ltd                 | 26/04/2017 | 3446749 | 17788767.6 |        |
| 3446891 | Bridgestone Corporation                            | 16/03/2017 | 3446891 | 17785711.7 |        |
| 3446972 | Bell Helicopter Textron Inc.                       | 11/10/2017 | 3446972 | 17196018.0 |        |
| 3447198 | Sumitomo (S.H.I.) Construction Machinery Co., Ltd. | 21/04/2017 | 3447198 | 17786044.2 |        |
| 3447224 | Aug. Winkhaus GmbH & Co. KG                        | 24/07/2018 | 3447224 | 18185141.1 | German |
| 3447343 | United Technologies Corporation                    | 30/07/2018 | 3447343 | 18186412.5 |        |
| 3447544 | LG Chem, Ltd.                                      | 28/07/2017 | 3447544 | 17834824.9 |        |
| 3447576 | ZTE Corporation                                    | 05/08/2016 | 3447576 | 16904439.3 |        |
| 3448796 | Tadano Demag GmbH                                  | 05/07/2017 | 3448796 | 17735518.7 | German |
| 3448901 | Borealis AG                                        | 30/03/2017 | 3448901 | 17714470.6 |        |
| 3448962 | Shell Internationale Research Maatschappij B.V.    | 24/04/2017 | 3448962 | 17790167.5 |        |
| 3449120 | Omegawind S.r.l.                                   | 28/04/2016 | 3449120 | 16736255.7 |        |
| 3449234 | Ventana Medical Systems, Inc.                      | 25/04/2017 | 3449234 | 17723283.2 |        |
| 3449310 | Samsung Electronics Co., Ltd.                      | 29/06/2017 | 3449310 | 17820548.0 |        |
| 3449400 | Koninklijke Philips N.V.                           | 28/04/2017 | 3449400 | 17720780.0 |        |
| 3449669 | Telefonaktiebolaget LM Ericsson (publ)             | 25/04/2016 | 3449669 | 16742038.9 |        |
| 3450521 | AGC INC.                                           | 26/04/2017 | 3450521 | 17789621.4 |        |
| 3450923 | Fisher Controls International LLC                  | 22/07/2015 | 3450923 | 18193732.7 |        |
| 3450954 | Agilent Technologies, Inc.                         | 09/12/2008 | 3450954 | 18198629.0 |        |
| 3451680 | Sony Corporation                                   | 14/04/2017 | 3451680 | 17789305.4 |        |
| 3451991 | The Procter & Gamble Company                       | 05/05/2017 | 3451991 | 17723894.6 |        |
| 3452008 | Novamont S.p.A.                                    | 04/05/2017 | 3452008 | 17724328.4 |        |
| 3452332 | Magna Mirrors of America, Inc.                     | 02/05/2017 | 3452332 | 17792580.7 |        |
| 3452410 | Wallenius Water Innovation AB                      | 16/01/2017 | 3452410 | 17704553.1 |        |
| 3453069 | Volkswagen Aktiengesellschaft                      | 14/02/2017 | 3453069 | 17705126.5 | German |
| 3453213 | Huawei Technologies Co., Ltd.                      | 16/05/2017 | 3453213 | 17802076.4 |        |
| 3453430 | Swiss Timing Ltd                                   | 12/09/2017 | 3453430 | 17190608.4 | French |
| 3453441 | Carl Freudenberg KG                                | 07/09/2017 | 3453441 | 17189948.7 | German |
| 3453543 | WESTFALIA - Automotive GmbH                        | 07/12/2010 | 3453543 | 18199493.0 | German |
| 3453720 | BIOVET AD                                          | 04/09/2018 | 3453720 | 18192542.1 |        |
| 3454095 | SICK AG                                            | 10/09/2018 | 3454095 | 18193414.2 | German |
| 3454173 | Samsung Electronics Co., Ltd.                      | 20/07/2018 | 3454173 | 18184829.2 |        |
| 3454270 | Doosan Heavy Industries & Construction Co., Ltd.   | 06/07/2016 | 3454270 | 16901093.1 |        |
| 3454325 | Sony Corporation                                   | 25/06/2007 | 3454325 | 18180165.5 |        |

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|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------|------------|--------|
| 3454542 | GUANGDONG OPPO MOBILE<br>TELECOMMUNICATIONS CORP.,<br>LTD.                                                                                                               | 04/09/2018 | 3454542 | 18192412.7 |        |
| 3454552 | Shanghai Xiaoyi Technology Co., Ltd.                                                                                                                                     | 11/09/2018 | 3454552 | 18193875.4 |        |
| 3454622 | Huawei Technologies Co., Ltd.                                                                                                                                            | 11/04/2017 | 3454622 | 17809563.4 |        |
| 3455409 | Melos GmbH                                                                                                                                                               | 21/07/2017 | 3455409 | 17749403.6 |        |
| 3455478 | Vitesco Technologies GmbH                                                                                                                                                | 20/04/2017 | 3455478 | 17718898.4 | German |
| 3455625 | BioNTech RNA Pharmaceuticals<br>GmbH<br>TRON - Translationale Onkologie an<br>der Universitätsmedizin der Johannes<br>Gutenberg- Universität Mainz<br>gemeinnützige GmbH | 10/05/2017 | 3455625 | 17726208.6 |        |
| 3456177 | Deere & Company                                                                                                                                                          | 31/08/2018 | 3456177 | 18191895.4 |        |
| 3456302 | Ontex BVBA<br>Ontex Group NV                                                                                                                                             | 15/09/2017 | 3456302 | 17191491.4 |        |
| 3456496 | Italmac S.R.L.                                                                                                                                                           | 17/09/2018 | 3456496 | 18194740.9 |        |
| 3456729 | ASKA Pharmaceutical Co., Ltd.                                                                                                                                            | 10/05/2017 | 3456729 | 17796164.6 |        |
| 3457853 | Ozo Innovations Ltd                                                                                                                                                      | 04/05/2017 | 3457853 | 17723471.3 |        |
| 3457936 | Check-Cap Ltd.                                                                                                                                                           | 31/07/2017 | 3457936 | 17836521.9 |        |
| 3458188 | Rockwool International A/S                                                                                                                                               | 22/05/2017 | 3458188 | 17726180.7 | German |
| 3458288 | Hübner GmbH & Co. KG                                                                                                                                                     | 16/05/2017 | 3458288 | 17727121.0 | German |
| 3458294 | Qinetiq Limited                                                                                                                                                          | 16/03/2017 | 3458294 | 17711642.3 |        |
| 3459446 | Leibniz-Institut für Nutztierbiologie                                                                                                                                    | 22/09/2017 | 3459446 | 17192564.7 |        |
| 3459501 | Stryker European Holdings I, LLC                                                                                                                                         | 21/09/2018 | 3459501 | 18195986.7 |        |
| 3459859 | SZ DJI Technology Co., Ltd.                                                                                                                                              | 27/02/2014 | 3459859 | 18194977.7 |        |
| 3460226 | United Technologies Corporation                                                                                                                                          | 21/09/2018 | 3460226 | 18196110.3 |        |
| 3460258 | Caterpillar Inc.                                                                                                                                                         | 22/09/2017 | 3460258 | 17192657.9 |        |
| 3460259 | Hamilton Sundstrand Corporation                                                                                                                                          | 22/09/2017 | 3460259 | 17461610.2 |        |
| 3460312 | Spin Master Ltd.                                                                                                                                                         | 13/07/2018 | 3460312 | 18183375.7 |        |
| 3460481 | Thermo Finnigan LLC                                                                                                                                                      | 10/01/2017 | 3460481 | 18197334.8 |        |
| 3460523 | Topcon Corporation                                                                                                                                                       | 12/09/2018 | 3460523 | 18193972.9 |        |
| 3460603 | Illinois Tool Works Inc.                                                                                                                                                 | 20/07/2018 | 3460603 | 18184859.9 |        |
| 3460606 | Illinois Tool Works Inc.                                                                                                                                                 | 20/07/2018 | 3460606 | 18184855.7 |        |
| 3460894 | LG Chem, Ltd.                                                                                                                                                            | 06/07/2017 | 3460894 | 17848965.4 |        |
| 3461320 | Deere & Company                                                                                                                                                          | 01/10/2018 | 3461320 | 18197922.0 |        |
| 3461546 | NextLeaf Solutions Ltd.                                                                                                                                                  | 24/09/2018 | 3461546 | 18196360.4 |        |

|         |                                                                     |            |         |            |        |
|---------|---------------------------------------------------------------------|------------|---------|------------|--------|
| 3461862 | Sun Chemical Corporation                                            | 09/04/2015 | 3461862 | 18199888.1 |        |
| 3461993 | United Technologies Corporation                                     | 02/10/2018 | 3461993 | 18198293.5 |        |
| 3462355 | Liferay, Inc.                                                       | 11/02/2014 | 3462355 | 18184169.3 |        |
| 3462537 | LG Electronics Inc.                                                 | 07/07/2011 | 3462537 | 18197754.7 |        |
| 3462563 | Rolls-Royce plc                                                     | 03/09/2018 | 3462563 | 18192234.5 |        |
| 3462834 | Forage Company B.V.                                                 | 01/06/2017 | 3462834 | 17733057.8 |        |
| 3462957 | CMC Consumer Medical Care GmbH                                      | 18/05/2017 | 3462957 | 17725562.7 | German |
| 3464035 | Lupaan GmbH                                                         | 27/04/2017 | 3464035 | 17723239.4 | German |
| 3464826 | General Electric Company                                            | 22/05/2017 | 3464826 | 17726499.1 |        |
| 3464831 | BorgWarner Inc.                                                     | 12/05/2017 | 3464831 | 17726056.9 |        |
| 3464834 | General Electric Company                                            | 28/04/2017 | 3464834 | 17797453.2 |        |
| 3464859 | Delphi Automotive Systems<br>Luxembourg SA                          | 23/05/2017 | 3464859 | 17729403.0 |        |
| 3464940 | Audi AG                                                             | 07/06/2017 | 3464940 | 17728207.6 | German |
| 3465340 | Sascha Grusche Und Christoph Knappe<br>Research And Development GBR | 02/06/2017 | 3465340 | 17729832.0 | German |
| 3466890 | DMK Deutsches Milchkontor GmbH                                      | 05/10/2017 | 3466890 | 17194947.2 | German |
| 3467139 | Nippon Steel Corporation                                            | 08/07/2016 | 3467139 | 16908195.7 |        |
| 3467419 | Bosch Termoteknik Isitma ve Klima<br>Sanayi Ticaret Anonim Sirketi  | 27/09/2018 | 3467419 | 18197196.1 | German |
| 3467602 | FANUC CORPORATION                                                   | 02/10/2018 | 3467602 | 18198103.6 |        |
| 3467649 | GUANGDONG OPPO MOBILE<br>TELECOMMUNICATIONS CORP.,<br>LTD.          | 31/05/2017 | 3467649 | 17805840.0 |        |
| 3468106 | Panasonic Intellectual Property<br>Corporation of America           | 20/04/2017 | 3468106 | 17802500.3 |        |
| 3468350 | DeLaval Holding AB                                                  | 07/06/2017 | 3468350 | 17731328.5 |        |
| 3468568 | Lysatpharma GmbH                                                    | 07/06/2017 | 3468568 | 17727907.2 |        |
| 3468774 | Sintratec AG                                                        | 29/05/2017 | 3468774 | 17726305.0 |        |
| 3468827 | CNH Industrial America LLC                                          | 09/06/2017 | 3468827 | 17731439.0 |        |
| 3469076 | DSM IP Assets B.V.                                                  | 08/06/2017 | 3469076 | 17730432.6 |        |
| 3469751 | Telefonaktiebolaget LM Ericsson (publ)                              | 14/06/2016 | 3469751 | 16731338.6 |        |
| 3470045 | Sun Pharmaceutical Industries Ltd                                   | 10/10/2018 | 3470045 | 18199563.0 |        |
| 3470190 | Leitz GmbH & Co. KG                                                 | 04/10/2018 | 3470190 | 18198655.5 | German |
| 3471493 | Huawei Technologies Co., Ltd.                                       | 04/07/2016 | 3471493 | 16907758.3 |        |
| 3471788 | Meccellis Biotech                                                   | 16/06/2017 | 3471788 | 17734262.3 | French |
| 3472339 | PharmaZell GmbH                                                     | 19/06/2017 | 3472339 | 17732077.7 |        |

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|---------------------|------------------------------------------------------------|---------------------------------------------------------------|---------|-------------------|--------|
| 3472378             | Textilma AG                                                | 12/06/2017                                                    | 3472378 | 17732822.6        | German |
| 3472408             | Hitrac Fuel Systems S.r.l.                                 | 21/06/2017                                                    | 3472408 | 17751125.0        |        |
| 3472486             | Renault S.A.S.                                             | 05/05/2017                                                    | 3472486 | 17726138.5        | French |
| 3472688             | Samsung Electronics Co., Ltd.                              | 28/07/2017                                                    | 3472688 | 17837194.4        |        |
| 3472801             | Samsung Electronics Co., Ltd.                              | 05/09/2017                                                    | 3472801 | 17849055.3        |        |
| 3473039             | HL2                                                        | 09/06/2017                                                    | 3473039 | 17728865.1        |        |
| 3473358             | Advantest Corporation                                      | 03/09/2018                                                    | 3473358 | 18192171.9        |        |
| 3473875             | Mitsubishi Heavy Industries<br>Compressor Corporation      | 04/07/2017                                                    | 3473875 | 17879678.5        |        |
| 3474594             | Huawei Technologies Co., Ltd.                              | 12/07/2017                                                    | 3474594 | 17840890.2        |        |
| 3474706             | Fri-Jado B.V.                                              | 25/06/2017                                                    | 3474706 | 17737904.7        |        |
| 3475049             | Foboha (Germany) GmbH                                      | 27/06/2017                                                    | 3475049 | 17732910.9        |        |
| 3475378             | Showa Denko K.K.                                           | 22/06/2017                                                    | 3475378 | 17739706.4        |        |
| 3475550             | Volvo Truck Corporation                                    | 22/06/2016                                                    | 3475550 | 16731592.8        |        |
| 3476778             | Gawronski GmbH                                             | 27/10/2017                                                    | 3476778 | 17001775.0        | German |
| 3477006             | Kobelco Construction Machinery Co.,<br>Ltd.                | 14/06/2017                                                    | 3477006 | 17836619.1        |        |
| 3477130             | Crompton Technology Group Limited                          | 31/10/2017                                                    | 3477130 | 17199427.0        |        |
| 3478220             | Dentsply Sirona Inc.                                       | 30/06/2017                                                    | 3478220 | 17740835.8        |        |
| 3478400             | Keey Aerogel                                               | 03/07/2017                                                    | 3478400 | 17765204.7        | French |
| 3478485             | ARTIC INVESTMENTS S.A.                                     | 30/06/2016                                                    | 3478485 | 16733093.5        |        |
| 3478569             | ABB Oy                                                     | 01/07/2016                                                    | 3478569 | 16907186.7        |        |
| 3478976             | Phoenix Feinbau GmbH & Co. KG                              | 04/07/2017                                                    | 3478976 | 17736644.0        | German |
| 3479060             | Kongsberg Inc.                                             | 29/06/2016                                                    | 3479060 | 16907190.9        |        |
| 3479196             | Fujitsu Technology Solutions<br>Intellectual Property GmbH | 17/10/2017                                                    | 3479196 | 17788189.3        | German |
| 3479578             | Rovi Guides, Inc.                                          | 22/06/2017                                                    | 3479578 | 17735313.3        |        |
| 3480016             | Konica Minolta, Inc.                                       | 21/06/2017                                                    | 3480016 | 17824004.0        |        |
| 3480990             | Huawei Technologies Co., Ltd.                              | 13/06/2017                                                    | 3480990 | 17826853.8        |        |
| 3481001             | Huawei Technologies Co., Ltd.                              | 26/06/2017                                                    | 3481001 | 17836231.5        |        |
| 3481275             | Henkel AG & Co. KGaA                                       | 04/07/2017                                                    | 3481275 | 17735493.3        | German |
| 3481277             | Henkel AG & Co. KGaA                                       | 04/07/2017                                                    | 3481277 | 17735497.4        | German |
| 3481280             | Henkel AG & Co. KGaA                                       | 04/07/2017                                                    | 3481280 | 17737766.0        | German |
| 3481321             | Belintra nv                                                | 07/07/2017                                                    | 3481321 | 17742385.2        |        |
| 3481473             | Philip Morris Products S.A.                                | 07/07/2017                                                    | 3481473 | 17740706.1        |        |
| 3481486             | NEURALLYYS                                                 | 07/07/2017                                                    | 3481486 | 17735162.4        | French |

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| 3481512 | Patentselskabet AF 24. November 2017<br>APS                                 | 05/07/2017 | 3481512 | 17737472.5 |        |
| 3481525 | Outotec (Finland) Oy                                                        | 11/07/2016 | 3481525 | 16751314.2 |        |
| 3481598 | ABB Schweiz AG                                                              | 07/07/2016 | 3481598 | 16751485.0 |        |
| 3481633 | CEFLA Società Cooperativa                                                   | 05/07/2017 | 3481633 | 17742861.2 |        |
| 3481760 | Rieter Ingolstadt GmbH                                                      | 04/07/2017 | 3481760 | 17735112.9 | German |
| 3481803 | Mayo Foundation for Medical<br>Education and Research                       | 07/07/2017 | 3481803 | 17824987.6 |        |
| 3482043 | Saudi Arabian Oil Company                                                   | 21/06/2017 | 3482043 | 17734616.0 |        |
| 3482056 | PSA Automobiles S.A.                                                        | 15/06/2017 | 3482056 | 17735212.7 | French |
| 3482068 | Vestas Wind Systems A/S                                                     | 05/07/2017 | 3482068 | 17737470.9 |        |
| 3482124 | Arvos Ljungstrom LLC                                                        | 13/01/2017 | 3482124 | 17705500.1 |        |
| 3482502 | Safran Electrical & Power                                                   | 06/07/2017 | 3482502 | 17745839.5 | French |
| 3482518 | Telefonaktiebolaget LM Ericsson (publ)                                      | 06/07/2016 | 3482518 | 16738895.8 |        |
| 3482521 | Telefonaktiebolaget LM Ericsson (publ)                                      | 06/07/2016 | 3482521 | 16908269.0 |        |
| 3483399 | Almecon Technologie GmbH<br>MTU Aero Engines AG                             | 09/11/2017 | 3483399 | 17200845.0 | German |
| 3483837 | Huawei Technologies Co., Ltd.                                               | 13/07/2017 | 3483837 | 17833438.9 |        |
| 3484282 | Biosort AS                                                                  | 13/07/2017 | 3484282 | 17762203.2 |        |
| 3484304 | Arla Foods Amba                                                             | 14/07/2017 | 3484304 | 17737610.0 |        |
| 3484325 | Paul Hettich GmbH & Co. KG                                                  | 13/07/2017 | 3484325 | 17745663.9 | German |
| 3484326 | Paul Hettich GmbH & Co. KG                                                  | 13/07/2017 | 3484326 | 17748655.2 | German |
| 3484697 | Compagnie Générale des<br>Etablissements Michelin                           | 05/07/2017 | 3484697 | 17745835.3 | French |
| 3484722 | Pirelli Tyre S.p.A.                                                         | 04/07/2017 | 3484722 | 17745510.2 |        |
| 3484727 | Compagnie Générale des<br>Etablissements Michelin                           | 14/07/2017 | 3484727 | 17751843.8 | French |
| 3484728 | Compagnie Générale des<br>Etablissements Michelin                           | 11/07/2017 | 3484728 | 17748535.6 | French |
| 3484729 | Compagnie Générale des<br>Etablissements Michelin                           | 11/07/2017 | 3484729 | 17748536.4 | French |
| 3484752 | TREVES Products, Services &<br>Innovation                                   | 10/07/2017 | 3484752 | 17748826.9 | French |
| 3484767 | Safran Seats USA LLC                                                        | 18/07/2016 | 3484767 | 16745943.7 |        |
| 3484851 | Dow Global Technologies LLC<br>The Regents of The University of<br>Michigan | 13/07/2017 | 3484851 | 17743173.1 |        |

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| 3484880 | Leo Pharma A/S                                                                          | 11/07/2017 | 3484880 | 17737284.4 |        |
| 3484890 | Centre National de la Recherche Scientifique (CNRS)<br>Université Paris Diderot Paris 7 | 11/07/2017 | 3484890 | 17735607.8 |        |
| 3484934 | Compagnie Générale des Etablissements Michelin                                          | 17/07/2017 | 3484934 | 17745441.0 | French |
| 3484944 | Wacker Chemie AG                                                                        | 13/07/2016 | 3484944 | 16738765.3 | German |
| 3485070 | Textilma AG                                                                             | 26/06/2017 | 3485070 | 17731605.6 | German |
| 3485182 | GKN Automotive Ltd.                                                                     | 14/07/2016 | 3485182 | 16738469.2 | German |
| 3485240 | Trumpf Werkzeugmaschinen GmbH + Co. KG                                                  | 14/07/2017 | 3485240 | 17745288.5 | German |
| 3485340 | SMA Solar Technology AG                                                                 | 29/06/2017 | 3485340 | 17742655.8 |        |
| 3485348 | Microsoft Technology Licensing, LLC                                                     | 13/07/2017 | 3485348 | 17745223.2 |        |
| 3485508 | Siltronic AG                                                                            | 03/07/2017 | 3485508 | 17739514.2 | German |
| 3485678 | Telefonaktiebolaget LM Ericsson (PUBL)                                                  | 15/07/2016 | 3485678 | 16744681.4 |        |
| 3486734 | Montres Breguet S.A.                                                                    | 15/11/2017 | 3486734 | 17201862.4 | French |
| 3487278 | AGCO Corporation                                                                        | 25/07/2017 | 3487278 | 17751451.0 |        |
| 3487327 | Philip Morris Products S.A.                                                             | 21/07/2017 | 3487327 | 17742437.1 |        |
| 3487329 | Sluis Cigar Machinery B.V.                                                              | 18/07/2017 | 3487329 | 17754813.8 |        |
| 3487424 | Temmerman, Olivier Paul Pieter                                                          | 04/07/2017 | 3487424 | 17739714.8 |        |
| 3487430 | Aesculap AG                                                                             | 20/07/2017 | 3487430 | 17742240.9 | German |
| 3487435 | Restoration Robotics, Inc.                                                              | 20/07/2017 | 3487435 | 17831859.8 |        |
| 3487644 | EJP Maschinen GmbH                                                                      | 25/07/2017 | 3487644 | 17764320.2 | German |
| 3487667 | Comau France                                                                            | 19/07/2017 | 3487667 | 17748838.4 | French |
| 3487673 | ETESIAS S.r.l.                                                                          | 20/07/2017 | 3487673 | 17751849.5 |        |
| 3487746 | Siemens Mobility GmbH                                                                   | 04/09/2017 | 3487746 | 17762100.0 | German |
| 3487767 | I.M.A. Industria Macchine Automatiche S.p.A.                                            | 20/07/2017 | 3487767 | 17745517.7 |        |
| 3487768 | I.M.A. Industria Macchine Automatiche S.p.A.                                            | 20/07/2017 | 3487768 | 17761322.1 |        |
| 3487779 | Sealed Air Corporation (US)                                                             | 19/07/2017 | 3487779 | 17746577.0 |        |
| 3487802 | Bekaert Advanced Cords Aalter NV                                                        | 06/07/2017 | 3487802 | 17736672.1 |        |
| 3487942 | Compagnie Générale des Etablissements Michelin                                          | 19/07/2017 | 3487942 | 17748547.1 | French |
| 3487944 | SICPA HOLDING SA                                                                        | 25/07/2017 | 3487944 | 17751043.5 |        |

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| 3488089 | thyssenkrupp Marine Systems GmbH<br>thyssenkrupp AG                                      | 18/07/2017 | 3488089 | 17740740.0 | German |
| 3488458 | ABB Power Grids Switzerland AG                                                           | 19/07/2017 | 3488458 | 17743312.5 |        |
| 3488552 | Telefonaktiebolaget LM Ericsson (publ)                                                   | 20/07/2017 | 3488552 | 17758621.1 |        |
| 3488555 | Siemens Aktiengesellschaft                                                               | 04/07/2017 | 3488555 | 17737248.9 | German |
| 3488598 | Albéa le Tréport                                                                         | 24/07/2017 | 3488598 | 17748441.7 | French |
| 3488631 | Tionesta, LLC                                                                            | 20/07/2017 | 3488631 | 17831885.3 |        |
| 3488635 | Google LLC                                                                               | 17/07/2017 | 3488635 | 17745591.2 |        |
| 3488871 | Profusa, Inc.                                                                            | 13/03/2014 | 3488871 | 18200504.1 |        |
| 3488963 | Aoyama Shoji                                                                             | 28/04/2017 | 3488963 | 17830672.6 |        |
| 3489022 | Frama AG                                                                                 | 22/11/2017 | 3489022 | 17405031.0 | German |
| 3489202 | Panasonic Intellectual Property<br>Management Co., Ltd.                                  | 10/07/2017 | 3489202 | 17830886.2 |        |
| 3489315 | Denka Company Limited                                                                    | 19/07/2017 | 3489315 | 17831051.2 |        |
| 3490101 | Samsung Electronics Co., Ltd.                                                            | 24/07/2017 | 3490101 | 17839688.3 |        |
| 3490119 | DENSO CORPORATION<br>NIPPON STEEL CORPORATION                                            | 18/07/2017 | 3490119 | 17830991.0 |        |
| 3490198 | Alibaba Group Holding Limited                                                            | 19/07/2017 | 3490198 | 17830480.4 |        |
| 3490228 | GUANGDONG OPPO MOBILE<br>TELECOMMUNICATIONS CORP.,<br>LTD.                               | 04/06/2018 | 3490228 | 18175734.5 |        |
| 3490368 | Etablissements Binet<br>Boumatic Gascoigne Melotte                                       | 25/07/2017 | 3490368 | 17749647.8 | French |
| 3490407 | Albéa Services                                                                           | 21/07/2017 | 3490407 | 17740763.2 | French |
| 3490414 | Vernal Silva, Jaime Antonio<br>Vernal Munoz, Pablo Javier<br>Vernal Munoz, Felipe Andres | 26/07/2017 | 3490414 | 17745170.5 | German |
| 3490617 | Altergon S.a.                                                                            | 25/07/2017 | 3490617 | 17752305.7 |        |
| 3490625 | Leibniz-Institut für Neue Materialien<br>gemeinnützige GmbH                              | 26/07/2017 | 3490625 | 17749412.7 | German |
| 3490766 | HARTIKA Sp. z o.o.                                                                       | 31/07/2017 | 3490766 | 17768509.6 |        |
| 3490787 | Compagnie Générale des<br>Etablissements Michelin                                        | 27/07/2017 | 3490787 | 17754758.5 | French |
| 3490808 | Bundesdruckerei GmbH<br>Covestro Deutschland AG                                          | 21/07/2017 | 3490808 | 17742736.6 | German |
| 3490811 | Compagnie Générale des<br>Etablissements Michelin                                        | 14/07/2017 | 3490811 | 17751845.3 | French |

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|---------------------|--------------------------------------------------------------|---------------------------------------------------------------|---------|-------------------|--------|
| 3491021             | Elanco US Inc.                                               | 20/07/2017                                                    | 3491021 | 17748985.3        |        |
| 3491192             | BOMAG GmbH                                                   | 18/07/2017                                                    | 3491192 | 17742161.7        | German |
| 3491197             | Baggerwerken Decloedt en Zoon N.V.                           | 25/07/2017                                                    | 3491197 | 17746052.4        |        |
| 3491227             | Safran                                                       | 28/07/2017                                                    | 3491227 | 17754424.4        | French |
| 3491242             | Vestas Wind Systems A/S                                      | 27/07/2017                                                    | 3491242 | 17745249.7        |        |
| 3491268             | Schmiedestück-Vertrieb Feuerstein GmbH                       | 25/07/2017                                                    | 3491268 | 17751605.1        | German |
|                     | Van Beest International B.V.                                 |                                                               |         |                   |        |
| 3491270             | Schmiedestück-Vertrieb Feuerstein GmbH                       | 25/07/2017                                                    | 3491270 | 17751604.4        | German |
|                     | Van Beest International B.V.                                 |                                                               |         |                   |        |
| 3491274             | Mahle International GmbH                                     | 21/07/2017                                                    | 3491274 | 17742739.0        | German |
| 3491313             | Walter Tosto S.p.A.                                          | 13/07/2017                                                    | 3491313 | 17765267.4        |        |
| 3491326             | Technip France SA                                            | 26/07/2017                                                    | 3491326 | 17742760.6        | French |
| 3491368             | Teleki, Péter                                                | 27/07/2017                                                    | 3491368 | 17861190.1        |        |
| 3491397             | Technoprobe S.p.A                                            | 26/07/2017                                                    | 3491397 | 17752308.1        |        |
| 3491426             | Smiths Heimann SAS                                           | 27/07/2017                                                    | 3491426 | 17761304.9        |        |
| 3491434             | Rolic Technologies AG                                        | 20/07/2017                                                    | 3491434 | 17739607.4        |        |
| 3491705             | A. Steffen AG, Elektrohandel                                 | 26/07/2016                                                    | 3491705 | 16748352.8        | German |
| 3491724             | Rolls-Royce Deutschland Ltd & Co KG                          | 20/07/2017                                                    | 3491724 | 17742248.2        | German |
| 3491730             | ABB Schweiz AG                                               | 28/07/2016                                                    | 3491730 | 16744412.4        |        |
| 3492054             | Daio Paper Corporation                                       | 20/07/2017                                                    | 3492054 | 17834152.5        |        |
| 3492613             | JFE Steel Corporation                                        | 25/07/2017                                                    | 3492613 | 17834334.9        |        |
| 3492996             | Patek Philippe SA Genève                                     | 04/12/2017                                                    | 3492996 | 17205173.2        | French |
| 3493470             | Telefonica Digital España, S.L.U.                            | 30/11/2017                                                    | 3493470 | 17382808.8        |        |
| 3494164             | Alfa-CM S.r.l.                                               | 20/07/2017                                                    | 3494164 | 17749386.3        |        |
| 3494640             | Fundacio Centre Tecnologic de Telecomunicacions de Catalunya | 02/08/2016                                                    | 3494640 | 16750143.6        |        |
| 3494679             | Qualcomm Incorporated                                        | 28/07/2017                                                    | 3494679 | 17749335.0        |        |
| 3495482             | Synplogen Co., Ltd.                                          | 05/09/2014                                                    | 3495482 | 18210824.1        |        |
| 3495740             | Vestel Elektronik Sanayi ve Ticaret A.S.                     | 06/12/2017                                                    | 3495740 | 17205684.8        |        |
| 3496997             | PSA Automobiles S.A.                                         | 03/07/2017                                                    | 3496997 | 17745818.9        | French |
| 3496998             | PSA Automobiles S.A.                                         | 04/07/2017                                                    | 3496998 | 17746168.8        | French |
| 3497529             | Vorwerk & Co. Interholding GmbH                              | 20/07/2017                                                    | 3497529 | 17749387.1        | German |
| 3497540             | Qualcomm Incorporated                                        | 21/07/2017                                                    | 3497540 | 17746603.4        |        |
| 3497759             | Eaton Intelligent Power Limited                              | 05/07/2017                                                    | 3497759 | 17735528.6        | German |

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|---------|-------------------------------------------------------------------------|------------|---------|------------|--------|
| 3498592 | FLARIS Spolka z ograniczona<br>odpowiedzialnoscia                       | 20/12/2017 | 3498592 | 17208796.7 |        |
| 3498665 | Clariant International Ltd                                              | 18/12/2017 | 3498665 | 17208262.0 |        |
| 3498950 | Vestel Elektronik Sanayi ve Ticaret<br>A.S.                             | 18/12/2017 | 3498950 | 17207966.7 |        |
| 3499004 | YAMAHA HATSUDOKI<br>KABUSHIKI KAISHA                                    | 11/10/2018 | 3499004 | 18199902.0 |        |
| 3499971 | GUANGDONG OPPO MOBILE<br>TELECOMMUNICATIONS CORP.,<br>LTD.              | 15/09/2017 | 3499971 | 17923986.8 |        |
| 3500378 | Primetals Technologies Austria GmbH                                     | 13/07/2017 | 3500378 | 17737289.3 | German |
| 3500832 | Endress+Hauser SE+Co. KG                                                | 25/07/2017 | 3500832 | 17743031.1 | German |
| 3501287 | VEMAG Maschinenbau GmbH                                                 | 20/12/2017 | 3501287 | 17209076.3 | German |
| 3501688 | LMT Fette Werkzeugtechnik GmbH &<br>Co. KG                              | 19/12/2017 | 3501688 | 17208446.9 | German |
| 3502106 | Novalad GmbH<br>Samsung SDI Co., Ltd.                                   | 21/12/2017 | 3502106 | 17209590.3 |        |
| 3502483 | Cimos D.D.                                                              | 19/12/2017 | 3502483 | 17208572.2 |        |
| 3502818 | Mitsubishi Electric Corporation                                         | 15/09/2016 | 3502818 | 16916240.1 |        |
| 3503981 | Bordeso B.V.                                                            | 23/08/2017 | 3503981 | 17762228.9 |        |
| 3504466 | PSA Automobiles SA                                                      | 11/07/2017 | 3504466 | 17751799.2 | French |
| 3504501 | BreveX S.A.                                                             | 14/07/2017 | 3504501 | 17737835.3 | French |
| 3504605 | Microsoft Technology Licensing, LLC                                     | 18/08/2017 | 3504605 | 17758742.5 |        |
| 3504699 | Rheinmetall Electronics GmbH                                            | 26/07/2017 | 3504699 | 17752033.5 | German |
| 3505019 | NingBo LvZhiPin Electrical Appliance<br>Science and Technology Co., Ltd | 25/04/2018 | 3505019 | 18169337.5 |        |
| 3505258 | Sigma Laborzentrifugen GmbH                                             | 02/01/2018 | 3505258 | 18150064.6 | German |
| 3505304 | Hinni AG                                                                | 27/12/2017 | 3505304 | 17405036.9 | German |
| 3505542 | LG Chem, Ltd.                                                           | 20/09/2017 | 3505542 | 17858633.5 |        |
| 3506689 | Huawei Technologies Co., Ltd.                                           | 29/09/2016 | 3506689 | 16917191.5 |        |
| 3507322 | Hilti Aktiengesellschaft                                                | 20/07/2017 | 3507322 | 17745159.8 | German |
| 3507673 | Microsoft Technology Licensing, LLC                                     | 26/08/2017 | 3507673 | 17762023.4 |        |
| 3508027 | Qualcomm Incorporated                                                   | 30/06/2017 | 3508027 | 17740197.3 |        |
| 3509262 | Huawei Technologies Co., Ltd.                                           | 28/09/2017 | 3509262 | 17854921.8 |        |
| 3509829 | Dieffenbacher GmbH Maschinen- und<br>Anlagenbau                         | 06/09/2017 | 3509829 | 17765151.0 | German |

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| 3510085 | Thai Polyethylene Co., Ltd.<br>SCG Chemicals Co., Ltd.                  | 08/09/2017 | 3510085 | 17762143.0 |        |
| 3510304 | PSA Automobiles SA                                                      | 04/09/2017 | 3510304 | 17780786.4 | French |
| 3512046 | Dr.Ing. h.c. F. Porsche<br>Aktiengesellschaft                           | 24/10/2018 | 3512046 | 18020550.2 | German |
| 3512365 | British American Tobacco<br>(Investments) Limited                       | 12/09/2017 | 3512365 | 17780007.5 |        |
| 3513273 | Microsoft Technology Licensing, LLC                                     | 30/10/2017 | 3513273 | 17804346.9 |        |
| 3513382 | Fraunhofer Gesellschaft zur Förderung<br>der angewandten Forschung E.V. | 14/09/2016 | 3513382 | 16767223.7 |        |
| 3513538 | Huawei International Pte. Ltd.                                          | 19/07/2017 | 3513538 | 17746211.6 |        |
| 3513622 | Robert Bosch GmbH                                                       | 19/07/2017 | 3513622 | 17742226.8 | German |
| 3513630 | Signify Holding B.V.                                                    | 11/09/2017 | 3513630 | 17764814.4 |        |
| 3513672 | Shenzhen IVPS Technology Co., Ltd.                                      | 01/10/2018 | 3513672 | 18197827.1 |        |
| 3513690 | Ningbo Jinyu Electric Appliance Co.,<br>Ltd.                            | 04/04/2018 | 3513690 | 18165610.9 |        |
| 3515248 | Kesseböhmer Produktions GmbH & Co.<br>KG                                | 26/09/2016 | 3515248 | 16770521.9 | German |
| 3515765 | Continental Teves AG & Co. OHG                                          | 20/09/2017 | 3515765 | 17769072.4 | German |
| 3516354 | Ixa Amc Office / Academic Medical<br>Center                             | 26/09/2017 | 3516354 | 17788302.2 |        |
| 3516724 | BASF SE                                                                 | 11/09/2017 | 3516724 | 17771996.0 |        |
| 3517356 | Ford Global Technologies, LLC                                           | 29/01/2018 | 3517356 | 18153794.5 |        |
| 3517651 | ATOTECH Deutschland GmbH                                                | 26/01/2018 | 3517651 | 18153739.0 |        |
| 3518771 | General Electric Company                                                | 14/09/2017 | 3518771 | 17777121.9 |        |
| 3519310 | Quinn, John                                                             | 28/09/2017 | 3519310 | 17777251.4 |        |
| 3519683 | Schaeffler Technologies AG & Co. KG                                     | 28/09/2017 | 3519683 | 17787318.9 | German |
| 3519711 | Miba Gleitlager Austria GmbH                                            | 27/09/2017 | 3519711 | 17794211.7 | German |
| 3520370 | XSB Europe Limited                                                      | 03/10/2017 | 3520370 | 17787119.1 |        |
| 3520716 | Zhejiang University                                                     | 17/07/2017 | 3520716 | 17854538.0 |        |
| 3521655 | Bridgestone Corporation                                                 | 26/09/2017 | 3521655 | 17856115.5 |        |
| 3522306 | ODU GmbH & Co. KG                                                       | 31/01/2018 | 3522306 | 18154519.5 |        |
| 3522962 | B-Helpware ApS                                                          | 06/10/2017 | 3522962 | 17777602.8 |        |
| 3523504 | Bouygues Travaux Publics                                                | 03/10/2017 | 3523504 | 17786976.5 | French |
| 3523728 | Siemens Aktiengesellschaft                                              | 08/11/2017 | 3523728 | 17807720.2 | German |
| 3523893 | Telefonaktiebolaget LM Ericsson (publ)                                  | 04/10/2016 | 3523893 | 16784596.5 |        |
| 3525872 | Bayer Healthcare LLC                                                    | 16/10/2017 | 3525872 | 17791528.7 |        |

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| 3525905 | Hydac Process Technology GmbH                        | 09/10/2017 | 3525905 | 17783719.2 | German |
| 3526148 | STC Spinnzwirn GmbH                                  | 11/10/2017 | 3526148 | 17781491.0 | German |
| 3528432 | Nokia Solutions and Networks Oy                      | 16/02/2018 | 3528432 | 18157119.1 |        |
| 3528718 | Alcon Inc.                                           | 19/09/2017 | 3528718 | 17785008.8 |        |
| 3529288 | Alcon Inc.                                           | 12/10/2017 | 3529288 | 17804653.8 |        |
| 3530373 | JFE Steel Corporation                                | 16/10/2017 | 3530373 | 17861714.8 |        |
| 3530789 | ASAHI KASEI KABUSHIKI KAISHA                         | 10/10/2017 | 3530789 | 17862654.5 |        |
| 3531034 | Mitsubishi Electric Corporation                      | 21/10/2016 | 3531034 | 16919578.1 |        |
| 3531220 | Siemens Aktiengesellschaft                           | 27/02/2018 | 3531220 | 18158857.5 | German |
| 3531539 | Japan Aviation Electronics Industry, Ltd.            | 13/10/2017 | 3531539 | 17861995.3 |        |
| 3531737 | GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD. | 08/11/2017 | 3531737 | 17878417.9 |        |
| 3531916 | Surgivisio                                           | 26/10/2017 | 3531916 | 17791074.2 |        |
| 3532855 | Schunk GmbH & Co. KG Spann- und Greiftechnik         | 05/10/2017 | 3532855 | 17780091.9 | German |
| 3532936 | Xilinx, Inc.                                         | 24/10/2017 | 3532936 | 17794603.5 |        |
| 3533133 | Moteurs Leroy-Somer                                  | 25/10/2017 | 3533133 | 17791055.1 | French |
| 3534764 | WIK Far East Ltd.                                    | 27/10/2017 | 3534764 | 17832727.6 | German |
| 3534809 | BSN Medical GmbH                                     | 27/10/2017 | 3534809 | 17791668.1 | German |
| 3534980 | TBF Genie Tissulaire (TBF)                           | 07/11/2017 | 3534980 | 17803824.6 | French |
| 3535096 | General Electric Company                             | 11/10/2017 | 3535096 | 17794817.1 |        |
| 3535496 | NIDEC GPM GmbH                                       | 05/10/2017 | 3535496 | 17786856.9 | German |
| 3535561 | Particle Metrix GmbH                                 | 03/11/2017 | 3535561 | 17811180.3 | German |
| 3535798 | Duracell U.S. Operations, Inc.                       | 01/11/2017 | 3535798 | 17804720.5 |        |
| 3535812 | Cejn AB                                              | 06/11/2017 | 3535812 | 17800749.8 |        |
| 3536115 | Qualcomm Incorporated                                | 30/10/2017 | 3536115 | 17797816.0 |        |
| 3536751 | LG Chem, Ltd.                                        | 30/10/2017 | 3536751 | 17868108.6 |        |
| 3537946 | Lina Medical International Operations AG             | 09/11/2017 | 3537946 | 17804107.5 |        |
| 3537988 | Connexicon Medical Limited                           | 07/11/2017 | 3537988 | 17809195.5 |        |
| 3538177 | Allmed Medical Care Holdings Limited                 | 08/11/2017 | 3538177 | 17805275.9 |        |
| 3538407 | Continental Teves AG & Co. OHG                       | 13/11/2017 | 3538407 | 17805131.4 | German |
| 3538732 | Flexoma                                              | 03/11/2017 | 3538732 | 17801081.5 | French |
| 3538772 | Camozzi Automation S.p.A.                            | 07/11/2017 | 3538772 | 17809375.3 |        |

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| 3538894 | Brain Biomarker Solutions in Gothenburg AB                           | 09/11/2017 | 3538894 | 17794347.9 |        |
| 3539127 | Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V. | 30/10/2017 | 3539127 | 17797289.0 |        |
| 3539334 | Eva Automation, Inc.                                                 | 19/11/2017 | 3539334 | 17880403.5 |        |
| 3539511 | Coloplast A/S                                                        | 16/03/2018 | 3539511 | 18162190.5 |        |
| 3541254 | BSH Hausgeräte GmbH                                                  | 02/11/2017 | 3541254 | 17792082.4 |        |
| 3541445 | Fresenius Medical Care Deutschland GmbH                              | 17/11/2017 | 3541445 | 17800531.0 | German |
| 3541631 | IDEMIA The Netherlands B.V.                                          | 14/11/2017 | 3541631 | 17817237.5 |        |
| 3541788 | BASF SE                                                              | 09/11/2017 | 3541788 | 17808342.4 |        |
| 3542121 | NEXTER Systems                                                       | 10/11/2017 | 3542121 | 17811985.5 | French |
| 3542151 | Univation Technologies, LLC                                          | 15/11/2017 | 3542151 | 17812110.9 |        |
| 3542488 | Telefonaktiebolaget LM Ericsson (publ)                               | 17/11/2016 | 3542488 | 16921639.7 |        |
| 3542516 | Innogy Innovation GmbH                                               | 17/11/2016 | 3542516 | 16801731.7 |        |
| 3542593 | Plastic Omnium Advanced Innovation and Research                      | 21/11/2017 | 3542593 | 17816469.5 | French |
| 3542837 | Abiomed Europe GmbH                                                  | 23/03/2018 | 3542837 | 18163763.8 |        |
| 3542907 | Yuan Mei Corp.                                                       | 20/03/2018 | 3542907 | 18162876.9 |        |
| 3543535 | Samsung Electronics Co., Ltd.                                        | 21/12/2017 | 3543535 | 17882606.1 |        |
| 3544246 | Huawei Technologies Co., Ltd.                                        | 28/07/2017 | 3544246 | 17870918.4 |        |
| 3544477 | Fauconnier, Sébastien                                                | 21/11/2017 | 3544477 | 17811643.0 | French |
| 3544933 | Pilkington Group Limited                                             | 23/11/2017 | 3544933 | 17805246.0 |        |
| 3545150 | Franz Schneider Brakel GmbH + Co KG                                  | 23/11/2016 | 3545150 | 16800954.6 | German |
| 3545184 | ArianeGroup SAS                                                      | 21/11/2017 | 3545184 | 17812012.7 | French |
| 3545202 | Häfele Berlin GmbH & Co KG                                           | 26/10/2017 | 3545202 | 17790769.8 |        |
| 3545216 | ZF Friedrichshafen AG                                                | 24/10/2017 | 3545216 | 17787423.7 | German |
| 3545240 | Commissariat à l'Énergie Atomique et aux Énergies Alternatives       | 28/11/2017 | 3545240 | 17811666.1 | French |
| 3545936 | Shanghai Chisu Pharmaceutical Technology Co., Ltd.                   | 22/11/2017 | 3545936 | 17873542.9 |        |
| 3545986 | F. Hoffmann-La Roche AG                                              | 27/03/2018 | 3545986 | 18164202.6 |        |
| 3546386 | 3M Innovative Properties Company                                     | 28/03/2018 | 3546386 | 18164453.5 |        |
| 3547418 | Sumitomo Osaka Cement Co., Ltd.                                      | 25/09/2018 | 3547418 | 18196569.0 |        |
| 3547856 | Philip Morris Products S.A.                                          | 27/10/2017 | 3547856 | 17792035.2 |        |

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| 3548016 | Lead Pharma B.V.<br>Sanofi                                                                     | 05/12/2017 | 3548016 | 17826439.6 |        |
| 3548281 | DOW GLOBAL TECHNOLOGIES<br>LLC                                                                 | 01/12/2017 | 3548281 | 17818379.4 |        |
| 3548345 | Freni Brembo S.p.A.                                                                            | 28/11/2017 | 3548345 | 17822452.3 |        |
| 3548757 | ZF Friedrichshafen AG                                                                          | 24/10/2017 | 3548757 | 17791047.8 | German |
| 3548786 | Alfred Kärcher SE & Co. KG                                                                     | 05/12/2016 | 3548786 | 16806081.2 | German |
| 3549092 | Cup Print                                                                                      | 30/11/2017 | 3549092 | 17826426.3 |        |
| 3549201 | Valeo Vision                                                                                   | 27/11/2017 | 3549201 | 17811512.7 | French |
| 3549456 | Panasonic Intellectual Property<br>Management Co., Ltd.                                        | 18/07/2017 | 3549456 | 17879356.8 |        |
| 3550806 | LG Electronics Inc.                                                                            | 02/07/2018 | 3550806 | 18181094.6 |        |
| 3550925 | GUANGDONG OPPO MOBILE<br>TELECOMMUNICATIONS CORP.,<br>LTD.                                     | 08/12/2016 | 3550925 | 16923270.9 |        |
| 3551801 | Marini S.p.A.                                                                                  | 06/12/2017 | 3551801 | 17822130.5 |        |
| 3551802 | Marini S.p.A.                                                                                  | 06/12/2017 | 3551802 | 17822131.3 |        |
| 3551911 | Volvo Truck Corporation                                                                        | 07/12/2016 | 3551911 | 16831633.9 |        |
| 3552293 | Electricité de France                                                                          | 24/11/2017 | 3552293 | 17811499.7 | French |
| 3552323 | THALES                                                                                         | 12/10/2017 | 3552323 | 17781503.2 | French |
| 3552825 | Wan, Junxia                                                                                    | 08/12/2016 | 3552825 | 16923430.9 |        |
| 3553541 | GridData GmbH                                                                                  | 13/04/2018 | 3553541 | 18167395.5 |        |
| 3554682 | L'Air Liquide Société Anonyme pour<br>l'Etude et l'Exploitation des Procédés<br>Georges Claude | 23/11/2017 | 3554682 | 17816916.5 | French |
| 3555234 | ExxonMobil Research and Engineering<br>Company                                                 | 09/11/2017 | 3555234 | 17809098.1 |        |
| 3555452 | ArianeGroup SAS                                                                                | 14/12/2017 | 3555452 | 17822423.4 | French |
| 3555464 | Wobben Properties GmbH                                                                         | 27/11/2017 | 3555464 | 17816522.1 | German |
| 3555481 | Carrier Corporation                                                                            | 09/11/2017 | 3555481 | 17804746.0 |        |
| 3555846 | Koninklijke Philips N.V.                                                                       | 06/12/2017 | 3555846 | 17809293.8 |        |
| 3556028 | Sigfox                                                                                         | 14/12/2017 | 3556028 | 17825577.4 | French |
| 3557112 | EBN Technology Corp.                                                                           | 19/04/2018 | 3557112 | 18168341.8 |        |
| 3558049 | Babyliss Faco S.P.R.L.                                                                         | 04/12/2017 | 3558049 | 17823046.2 | French |

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|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------|------------|----------|---------|------------|--------|
| 3558054                                                                                             | Kopp, Gerhard<br>Rudolf, Heise                          | 21/12/2016 | <b>G</b> | 3558054 | 16836056.8 | German |
| <b>rants<br/>Published<br/>in EPO<br/>Bulletin No<br/>34/20,<br/>dated 19th<br/>August<br/>2020</b> |                                                         |            |          |         |            |        |
| 3558482                                                                                             | LEGO A/S                                                | 21/12/2017 |          | 3558482 | 17822287.3 |        |
| 3559416                                                                                             | Safran Aircraft Engines                                 | 21/12/2017 |          | 3559416 | 17832264.0 | French |
| 3559624                                                                                             | Redaelli Tecna S.p.A.                                   | 23/12/2016 |          | 3559624 | 16849915.0 |        |
| 3559849                                                                                             | Assa Abloy AB                                           | 21/12/2017 |          | 3559849 | 17838141.4 |        |
| 3559947                                                                                             | ORANGE                                                  | 15/12/2017 |          | 3559947 | 17829231.4 | French |
| 3561500                                                                                             | Shimadzu Corporation                                    | 22/12/2016 |          | 3561500 | 16924516.4 |        |
| 3562689                                                                                             | Compagnie Générale des<br>Etablissements Michelin       | 19/12/2017 |          | 3562689 | 17829252.0 | French |
| 3562690                                                                                             | Compagnie Générale des<br>Etablissements Michelin       | 19/12/2017 |          | 3562690 | 17829253.8 | French |
| 3562692                                                                                             | Pirelli Tyre S.p.A.                                     | 22/12/2017 |          | 3562692 | 17832365.5 |        |
| 3567302                                                                                             | Harman Professional Denmark ApS                         | 11/05/2018 |          | 3567302 | 18171851.1 |        |
| 3573229                                                                                             | Universidad Politécnica De Madrid                       | 28/12/2017 |          | 3573229 | 17892298.5 |        |
| 3578053                                                                                             | Verso Food Oy                                           | 04/06/2018 |          | 3578053 | 18175668.5 |        |
| 3580690                                                                                             | Google LLC                                              | 24/05/2017 |          | 3580690 | 17733644.3 |        |
| 3581436                                                                                             | Carman Enterprise Co., Ltd.                             | 09/08/2018 |          | 3581436 | 18188180.6 |        |
| 3588101                                                                                             | Baumer Hübner GmbH                                      | 28/06/2018 |          | 3588101 | 18180352.9 | German |
| 3591567                                                                                             | SICK AG                                                 | 02/07/2018 |          | 3591567 | 18181130.8 | German |
| 3591937                                                                                             | Deutsche Telekom AG                                     | 03/07/2018 |          | 3591937 | 18181440.1 |        |
| 3593903                                                                                             | Sartorius Stedim Biotech GmbH                           | 10/07/2018 |          | 3593903 | 18182730.4 |        |
| 3595082                                                                                             | Rohde & Schwarz GmbH & Co. KG                           | 10/07/2018 |          | 3595082 | 18182598.5 |        |
| 3597383                                                                                             | Bizerba SE & Co. KG                                     | 18/07/2018 |          | 3597383 | 18184131.3 | German |
| 3597496                                                                                             | Safran Landing Systems UK Ltd<br>Safran Landing Systems | 16/07/2018 |          | 3597496 | 18183607.3 |        |
| 3597826                                                                                             | Joseph Vögele AG                                        | 20/07/2018 |          | 3597826 | 18184705.4 | German |
| 3598077                                                                                             | neXenio GmbH                                            | 20/07/2018 |          | 3598077 | 18184720.3 | German |
| 3599725                                                                                             | Xilinx, Inc.                                            | 27/07/2018 |          | 3599725 | 18185986.9 |        |
| 3599794                                                                                             | Silicon Hill B.V.                                       | 26/07/2018 |          | 3599794 | 18185779.8 |        |
| 3601508                                                                                             | Symrise AG                                              | 21/03/2017 |          | 3601508 | 17713212.3 | German |

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|---------|-------------------------------------------|------------|---------|------------|
| 3603180 | Telefonaktiebolaget LM Ericsson<br>(PUBL) | 29/11/2017 | 3603180 | 17807835.8 |
| 3608603 | Mitsubishi Electric Corporation           | 07/04/2017 | 3608603 | 17904897.0 |
| 3632719 | C.R.F. Società Consortile per Azioni      | 03/10/2018 | 3632719 | 18198401.4 |
| 3633135 | Vallourec Oil and Gas France              | 02/10/2018 | 3633135 | 18198314.9 |
| 3646363 | Volvo Truck Corporation                   | 26/06/2017 | 3646363 | 17754781.7 |

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|---------|-------------------------------------------------------------------------|------------|---------|------------|--------|
| 1527308 | VALEO SYSTEMES THERMIQUES                                               | 28/07/2003 | 1527308 | 03755643.8 | French |
| 1553029 | HN Schörling GmbH                                                       | 07/01/2005 | 1553029 | 05000264.1 | German |
| 1563419 | Fraunhofer-Gesellschaft zur Förderung<br>der angewandten Forschung e.V. | 17/07/2002 | 1563419 | 02794505.4 | German |
| 1565265 | H-E Parts International Crushing<br>Solutions Pty Ltd                   | 24/10/2002 | 1565265 | 02808042.2 |        |
| 1612707 | HERE Global B.V.                                                        | 29/06/2005 | 1612707 | 05254076.2 |        |
| 1625113 | BASF SE                                                                 | 23/04/2004 | 1625113 | 04739104.0 | German |
| 1652086 | Google LLC                                                              | 06/07/2004 | 1652086 | 04756680.7 |        |
| 1667569 | BSH Hausgeräte GmbH                                                     | 05/07/2004 | 1667569 | 04740668.1 | German |
| 1669938 | TLV Co., Ltd.                                                           | 30/09/2004 | 1669938 | 04788368.1 |        |
| 1677407 | Sulzer Management AG                                                    | 04/01/2006 | 1677407 | 06100076.6 |        |
| 1691841 | Nektar Therapeutics                                                     | 10/12/2004 | 1691841 | 04813631.1 |        |
| 1702456 | Micron Technology, Inc.                                                 | 16/12/2004 | 1702456 | 04814464.6 |        |
| 1766394 | Waters Technologies Corporation                                         | 20/05/2005 | 1766394 | 05749598.8 |        |
| 1781438 | Teeness Asa                                                             | 15/07/2005 | 1781438 | 05761722.7 |        |
| 1793772 | Life Recovery Systems HD, LLC                                           | 16/09/2005 | 1793772 | 05798107.8 |        |
| 1869417 | UrsoSense Medical, LLC                                                  | 22/03/2006 | 1869417 | 06739445.2 |        |
| 1873827 | SHOWA DENKO K.K.                                                        | 06/04/2006 | 1873827 | 06731255.3 |        |
| 1882346 | NXP B.V.                                                                | 04/05/2006 | 1882346 | 06728121.2 |        |
| 1896564 | Strix Beheer B.V.                                                       | 27/06/2006 | 1896564 | 06757812.0 |        |
| 1896809 | thyssenkrupp Marine Systems GmbH                                        | 30/05/2006 | 1896809 | 06753204.4 | German |
| 1906076 | AMTROL Licensing Inc.                                                   | 17/07/2007 | 1906076 | 07013924.1 |        |
| 1907658 | Hettich-ONI GmbH & Co. KG                                               | 10/07/2006 | 1907658 | 06777675.7 | German |
| 1918331 | Viavi Solutions Inc.                                                    | 16/01/2002 | 1918331 | 07021050.5 |        |
| 1918332 | Viavi Solutions Inc.                                                    | 16/01/2002 | 1918332 | 07021051.3 |        |
| 1918333 | Viavi Solutions Inc.                                                    | 16/01/2002 | 1918333 | 07021053.9 |        |
| 1918334 | Viavi Solutions Inc.                                                    | 16/01/2002 | 1918334 | 07021054.7 |        |
| 1970637 | LTG Aktiengesellschaft                                                  | 27/02/2008 | 1970637 | 08003542.1 | German |

|         |                                                                         |            |         |            |        |
|---------|-------------------------------------------------------------------------|------------|---------|------------|--------|
| 1993496 | SILENTIUM LTD.                                                          | 01/03/2007 | 1993496 | 07713291.8 |        |
| 1998097 | FASTER S.r.l.                                                           | 20/05/2008 | 1998097 | 08009238.0 | German |
| 2026314 | Hoffmann, Frank                                                         | 25/07/2008 | 2026314 | 08161184.0 | German |
| 2028529 | Essilor International                                                   | 28/12/2007 | 2028529 | 07301753.5 |        |
| 2037769 | Ortlieb, Hartmut                                                        | 12/07/2007 | 2037769 | 07785626.8 | German |
| 2046558 | Essilor International                                                   | 26/06/2007 | 2046558 | 07803776.9 | French |
| 2049875 | MVM Pack-Holding AG                                                     | 18/07/2007 | 2049875 | 07763949.0 | German |
| 2078576 | Big Daishowa Co., Ltd.                                                  | 06/03/2007 | 2078576 | 07737856.0 |        |
| 2090352 | MAN Truck & Bus SE                                                      | 16/10/2008 | 2090352 | 08018138.1 | German |
| 2091635 | Umicore AG & Co. KG                                                     | 17/09/2007 | 2091635 | 07802342.1 | German |
| 2099539 | SG Gaming, Inc.                                                         | 02/11/2007 | 2099539 | 07853071.4 |        |
| 2105561 | Bartels Systembeschläge GmbH                                            | 23/03/2009 | 2105561 | 09155829.6 | German |
| 2108506 | PTM Packaging Tools Machinery PTE.<br>Ltd.                              | 16/02/2009 | 2108506 | 09002098.3 | German |
| 2109098 | Fraunhofer-Gesellschaft zur Förderung<br>der angewandten Forschung e.V. | 23/10/2007 | 2109098 | 09010010.8 |        |
| 2111158 | The Johns Hopkins University                                            | 31/12/2007 | 2111158 | 07868141.8 |        |
| 2120326 | Schneider Electric USA, Inc.                                            | 18/05/2009 | 2120326 | 09160486.8 |        |
| 2122714 | LG Chem, Ltd.<br>Toray Industries, Inc.                                 | 05/02/2008 | 2122714 | 08712357.6 |        |
| 2134479 | Hicks, Aldous, Montagu                                                  | 20/03/2008 | 2134479 | 08714444.0 |        |
| 2135054 | Rototest International AB                                               | 11/04/2008 | 2135054 | 08724178.2 |        |
| 2136865 | Optinose AS                                                             | 07/04/2008 | 2136865 | 08736896.5 |        |
| 2141784 | Honda Motor Co., Ltd.                                                   | 17/04/2008 | 2141784 | 08740550.2 |        |
| 2162915 | Commissariat à l'Énergie Atomique et<br>aux Énergies Alternatives       | 05/06/2008 | 2162915 | 08760580.4 | French |
| 2177743 | MAN Truck & Bus SE                                                      | 06/10/2009 | 2177743 | 09012609.5 | German |
| 2178818 | Viridis Biopharma Pvt Ltd.                                              | 21/07/2008 | 2178818 | 08848777.2 |        |
| 2180695 | Samsung Electronics Co., Ltd.                                           | 19/10/2009 | 2180695 | 09173385.7 |        |
| 2184846 | Diehl AKO Stiftung & Co. KG                                             | 06/11/2009 | 2184846 | 09013928.8 | German |
| 2194276 | PFEIFFER VACUUM GMBH                                                    | 20/11/2009 | 2194276 | 09014529.3 | German |
| 2207679 | TOTAL RESEARCH &<br>TECHNOLOGY FELUY<br>Persico S.p.A.                  | 04/11/2008 | 2207679 | 08846261.9 |        |
| 2221856 | Mitsubishi Chemical Corporation                                         | 20/11/2008 | 2221856 | 08852819.5 |        |
| 2226997 | Vodafone Holding GmbH                                                   | 06/03/2009 | 2226997 | 09003274.9 |        |
| 2231325 | Imerys Filtration Minerals, Inc.                                        | 24/11/2008 | 2231325 | 08853060.5 |        |

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|---------|-----------------------------------------------------------|------------|---------|------------|--------|
| 2243105 | Pickford, Andrew Thomas William                           | 30/01/2009 | 2243105 | 09705865.5 |        |
| 2249952 | J. Rettenmaier & Söhne GmbH + Co.<br>KG                   | 13/03/2009 | 2249952 | 09718821.3 | German |
| 2257598 | PERFORMANCE POLYAMIDES<br>S.A.S.                          | 23/03/2009 | 2257598 | 09724773.8 | French |
| 2265752 | The Board of Regents of The University<br>of Texas System | 16/03/2009 | 2265752 | 09721698.0 |        |
| 2276697 | Dow Global Technologies LLC                               | 14/04/2009 | 2276697 | 09754227.8 |        |
| 2277095 | DAV                                                       | 20/04/2009 | 2277095 | 09735933.5 | French |
| 2281790 | The Boeing Company                                        | 02/07/2010 | 2281790 | 10251196.1 |        |
| 2283662 | Google Technology Holdings LLC                            | 29/05/2009 | 2283662 | 09759092.1 |        |
| 2284619 | Xerox Corporation                                         | 22/07/2010 | 2284619 | 10170360.1 |        |
| 2288406 | Shachar, Yehoshua<br>Pharmaco-Kinesis Corporation         | 22/06/2009 | 2288406 | 09767921.1 |        |
| 2297813 | Koninklijke Philips N.V.                                  | 26/05/2009 | 2297813 | 09757924.7 |        |
| 2299840 | Tetra GmbH                                                | 02/07/2009 | 2299840 | 09790034.4 |        |
| 2301165 | TRC Companies, Inc.<br>Dominion Energy Technologies, Inc. | 08/06/2009 | 2301165 | 09759619.1 |        |
| 2303026 | Brigham Young University                                  | 16/06/2009 | 2303026 | 09816642.4 |        |
| 2310069 | Temasek Polytechnic                                       | 22/06/2009 | 2310069 | 09770499.3 |        |
| 2313229 | Fronius International GmbH                                | 22/06/2009 | 2313229 | 09775546.6 | German |
| 2314176 | Adidas AG                                                 | 22/10/2010 | 2314176 | 10188526.7 |        |
| 2315014 | Toppan Printing Co., Ltd.<br>MERCK LTD.                   | 15/07/2009 | 2315014 | 09797933.0 |        |
| 2320122 | Korea Gas Corporation                                     | 25/11/2009 | 2320122 | 09177104.8 |        |
| 2323450 | Samsung Electronics Co., Ltd.                             | 12/11/2010 | 2323450 | 10191074.3 |        |
| 2334792 | GenTegra LLC                                              | 14/09/2009 | 2334792 | 09813764.9 |        |
| 2339359 | Viper Innovations Ltd                                     | 04/12/2010 | 2339359 | 10252057.4 |        |
| 2341896 | Breitkreutz, Jörg<br>Matilainen, Julia                    | 01/10/2009 | 2341896 | 09817269.5 |        |
| 2345895 | ARKRAY, Inc.                                              | 02/10/2009 | 2345895 | 09819129.9 |        |
| 2348969 | Advanced Brain Monitoring, Inc.                           | 07/10/2009 | 2348969 | 09819817.9 |        |
| 2352941 | Norgren GmbH                                              | 05/11/2008 | 2352941 | 08875005.4 |        |
| 2356697 | LG Electronics Inc.                                       | 19/02/2010 | 2356697 | 10815523.5 |        |
| 2370830 | MediaTek Inc.                                             | 30/12/2008 | 2370830 | 08879263.5 |        |
| 2381892 | Novate Medical Limited                                    | 15/01/2010 | 2381892 | 10700893.0 |        |
| 2384692 | Rowiak GmbH                                               | 07/05/2010 | 2384692 | 10004872.7 | German |

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| 2387823             | Linear Technology Corporation                                                      | 17/07/2009                                                    | 2387823 | 09838530.5        |        |
| 2399123             | Nederlandse Organisatie voor<br>toegepast- natuurwetenschappelijk<br>onderzoek TNO | 19/02/2010                                                    | 2399123 | 10705205.2        |        |
| 2412561             | Compleo Charging Solutions GmbH                                                    | 28/07/2011                                                    | 2412561 | 11175753.0        | German |
| 2413042             | Mitsubishi Electric Corporation                                                    | 26/03/2009                                                    | 2413042 | 09842246.2        |        |
| 2422470             | Samsung Electronics Co., Ltd.                                                      | 21/04/2010                                                    | 2422470 | 10767284.2        |        |
| 2434612             | Electrolux Home Products Corporation<br>N.V.                                       | 28/09/2010                                                    | 2434612 | 10180671.9        |        |
| 2435861             | Commissariat à l'Énergie Atomique et<br>aux Énergies Alternatives                  | 06/05/2010                                                    | 2435861 | 10715907.1        | French |
| 2437959             | Elways AB                                                                          | 02/06/2010                                                    | 2437959 | 10783661.1        |        |
| 2443577             | F.Hoffmann-La Roche AG                                                             | 21/06/2010                                                    | 2443577 | 10741895.6        |        |
| 2446682             | Nokia Technologies Oy                                                              | 25/06/2009                                                    | 2446682 | 09846426.6        |        |
| 2449130             | Biomerieux, Inc                                                                    | 30/06/2010                                                    | 2449130 | 10794689.9        |        |
| 2452039             | Tunget, Bruce A.                                                                   | 05/07/2010                                                    | 2452039 | 10737614.7        |        |
| 2452378             | Cambridge Enterprise Limited                                                       | 09/07/2010                                                    | 2452378 | 10738026.3        |        |
| 2456060             | Daikin Industries, Ltd.                                                            | 27/05/2010                                                    | 2456060 | 10799682.9        |        |
| 2457044             | BSH Hausgeräte GmbH                                                                | 14/07/2010                                                    | 2457044 | 10734964.9        | German |
| 2457188             | Koninklijke Philips N.V.                                                           | 15/06/2010                                                    | 2457188 | 10740728.0        |        |
| 2457354             | PlusN, LLC                                                                         | 28/06/2010                                                    | 2457354 | 10853381.1        |        |
| 2457384             | MediaTek Inc.                                                                      | 22/07/2010                                                    | 2457384 | 10745004.1        |        |
| 2459220             | Ascendis Pharma A/S                                                                | 30/07/2010                                                    | 2459220 | 10737075.1        |        |
| 2463448             | TOTO LTD.                                                                          | 29/07/2010                                                    | 2463448 | 10806388.4        |        |
| 2472604             | Seoul Viosys Co., Ltd                                                              | 22/07/2010                                                    | 2472604 | 10812163.3        |        |
| 2474691             | Hörmann KG Brockhagen                                                              | 10/11/2011                                                    | 2474691 | 11008957.0        | German |
| 2477237             | Sumitomo Electric Industries, Ltd.                                                 | 28/01/2010                                                    | 2477237 | 10813531.0        |        |
| 2479314             | Hitachi Chemical Company, Ltd.                                                     | 13/09/2010                                                    | 2479314 | 10817129.9        |        |
| 2480222             | ARKEMA INC.                                                                        | 23/09/2010                                                    | 2480222 | 10819434.1        |        |
| 2481044             | OSRAM Opto Semiconductors GmbH                                                     | 25/09/2009                                                    | 2481044 | 09849907.2        |        |
| 2481453             | Nintendo Co., Ltd.                                                                 | 30/04/2007                                                    | 2481453 | 12162367.2        |        |
| 2488903             | Design LED Products Limited                                                        | 12/10/2010                                                    | 2488903 | 10768054.8        |        |
| 2490011             | General Electric Company                                                           | 13/02/2012                                                    | 2490011 | 12155229.3        |        |
| 2494114             | Black Cat Wear Parts Ltd.                                                          | 28/10/2010                                                    | 2494114 | 10830452.8        |        |
| 2494573             | Illinois Tool Works Inc.                                                           | 26/10/2010                                                    | 2494573 | 10827371.5        |        |
| 2499468             | Koninklijke Philips N.V.                                                           | 15/10/2010                                                    | 2499468 | 10785521.5        |        |

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| 2500887 | Harman Becker Automotive Systems GmbH           | 17/03/2011 | 2500887 | 11158720.0 |        |
| 2502024 | Leenheer, Dirk Peter                            | 19/11/2010 | 2502024 | 10787574.2 |        |
| 2505686 | SANYO SPECIAL STEEL CO., LTD.                   | 30/03/2012 | 2505686 | 12162480.3 |        |
| 2506488 | NXP B.V.                                        | 26/03/2012 | 2506488 | 12161210.5 |        |
| 2506968 | Shell Internationale Research Maatschappij B.V. | 30/11/2010 | 2506968 | 10795959.5 |        |
| 2508591 | Idemitsu Kosan Co., Ltd.                        | 24/11/2010 | 2508591 | 10833201.6 |        |
| 2508942 | LG Innotek Co., Ltd.                            | 10/06/2011 | 2508942 | 11169536.7 |        |
| 2512734 | PSA Automobiles SA                              | 22/11/2010 | 2512734 | 10805258.0 | French |
| 2514544 | TaeguTec Ltd.                                   | 14/06/2007 | 2514544 | 12176931.9 |        |
| 2519467 | COLORADO STATE UNIVERSITY RESEARCH FOUNDATION   | 28/12/2010 | 2519467 | 10803195.6 |        |
| 2519710 | Schlumberger Technology B.V. (STBV)             | 15/12/2010 | 2519710 | 10794895.2 |        |
| 2519832 | Nokia Technologies Oy                           | 12/11/2010 | 2519832 | 10840661.2 |        |
| 2521429 | SENJU METAL INDUSTRY CO., LTD.                  | 22/12/2010 | 2521429 | 10841068.9 |        |
| 2523214 | IMEC                                            | 10/05/2012 | 2523214 | 12167520.1 |        |
| 2524529 | Telefonaktiebolaget LM Ericsson (publ)          | 13/01/2010 | 2524529 | 10701739.4 |        |
| 2526444 | ION Geophysical Corporation                     | 21/01/2011 | 2526444 | 11701727.7 |        |
| 2529794 | Rohm and Haas Company                           | 15/07/2011 | 2529794 | 11174282.1 |        |
| 2529810 | Nintendo Co., Ltd.                              | 18/05/2012 | 2529810 | 12168513.5 |        |
| 2532623 | See - Soluções, Energia E Meio Ambiente LTDA.   | 17/01/2011 | 2532623 | 11736548.6 |        |
| 2533059 | Yazaki Corporation                              | 03/12/2010 | 2533059 | 10834672.7 |        |
| 2536944 | Vestas Wind Systems A/S                         | 02/02/2011 | 2536944 | 11703373.8 |        |
| 2537078 | LG Electronics Inc.                             | 17/02/2011 | 2537078 | 11745218.5 |        |
| 2539590 | Emerson Climate Technologies, Inc.              | 23/02/2011 | 2539590 | 11747996.4 |        |
| 2542154 | The General Hospital Corporation                | 07/03/2011 | 2542154 | 11751520.5 |        |
| 2543302 | Miele & Cie. KG                                 | 06/07/2012 | 2543302 | 12401141.2 | German |
| 2545982 | Clariant Produkte (Deutschland) GmbH            | 09/07/2012 | 2545982 | 12175526.8 | German |
| 2546984 | Rockwell Automation Technologies, Inc.          | 09/02/2012 | 2546984 | 12154590.9 |        |
| 2548381 | Sonova AG                                       | 16/03/2010 | 2548381 | 10712034.7 |        |
| 2548702 | Black & Decker Inc.                             | 11/07/2012 | 2548702 | 12175871.8 |        |
| 2548819 | Focke & Co. (GmbH & Co. KG)                     | 28/06/2012 | 2548819 | 12004821.0 | German |

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| 2550985 | Daikyo Seiko, LTD.                         | 24/07/2012 | 2550985 | 12005389.7 |        |
| 2555076 | NXP B.V.                                   | 25/07/2012 | 2555076 | 12177886.4 |        |
| 2555873 | IT-IS International Limited                | 06/04/2011 | 2555873 | 11720569.0 |        |
| 2556712 | Nokia Technologies Oy                      | 05/04/2011 | 2556712 | 11765151.3 |        |
| 2562606 | Sharp Kabushiki Kaisha                     | 25/07/2012 | 2562606 | 12005415.0 |        |
| 2563074 | Acer Incorporated                          | 27/03/2012 | 2563074 | 12161383.0 |        |
| 2564074 | Blanking Systems, Inc.                     | 14/04/2011 | 2564074 | 11777803.5 |        |
| 2564648 | ORANGE                                     | 02/05/2011 | 2564648 | 11727404.3 |        |
| 2565952 | Samsung Electronics Co., Ltd.              | 09/07/2012 | 2565952 | 12175504.5 |        |
| 2566329 | Alkermes Pharma Ireland Limited            | 04/05/2011 | 2566329 | 11778241.7 |        |
| 2566690 | Toray Plastics (America), Inc.             | 05/05/2011 | 2566690 | 11778330.8 |        |
| 2567018 | LG Electronics Inc.                        | 04/05/2011 | 2567018 | 11777578.3 |        |
| 2573853 | Samsung Electronics Co., Ltd.              | 24/07/2012 | 2573853 | 12177702.3 |        |
| 2578720 | General Electric Company                   | 04/10/2012 | 2578720 | 12187140.4 |        |
| 2580826 | Tesmec SpA                                 | 08/06/2011 | 2580826 | 11738279.6 |        |
| 2582470 | 3M Innovative Properties Company           | 15/06/2010 | 2582470 | 10853339.9 |        |
| 2583735 | Daikin Industries, Ltd.                    | 08/06/2011 | 2583735 | 11795624.3 |        |
| 2584154 | United Technologies Corporation            | 12/10/2012 | 2584154 | 12188417.5 |        |
| 2585409 | Queen Mary and Westfield College           | 24/06/2011 | 2585409 | 11741263.5 |        |
| 2586262 | Samsung Electronics Co., Ltd.              | 16/06/2011 | 2586262 | 11798341.1 |        |
| 2587142 | MITSUBISHI HEAVY INDUSTRIES, LTD.          | 25/10/2012 | 2587142 | 12189861.3 |        |
| 2587199 | LG Electronics Inc.                        | 22/10/2012 | 2587199 | 12007267.3 |        |
| 2589554 | Ricoh Company, Ltd.                        | 31/10/2012 | 2589554 | 12190700.0 |        |
| 2591251 | Scania CV AB                               | 01/07/2011 | 2591251 | 11803901.5 |        |
| 2591320 | Micro Motion, Inc.                         | 09/07/2010 | 2591320 | 10747974.3 |        |
| 2593656 | MAHLE Behr GmbH & Co. KG                   | 07/07/2011 | 2593656 | 11733642.0 | German |
| 2594192 | Technolas Perfect Vision GmbH              | 15/11/2011 | 2594192 | 11189197.4 |        |
| 2596648 | Barco N.V.                                 | 24/06/2011 | 2596648 | 11743965.3 |        |
| 2597292 | United Technologies Corporation            | 15/11/2012 | 2597292 | 12192792.5 |        |
| 2597476 | NISSAN MOTOR CO., LTD.                     | 19/07/2011 | 2597476 | 11809642.9 |        |
| 2598085 | Howmedica Osteonics Corp.                  | 28/07/2011 | 2598085 | 11739254.8 |        |
| 2598514 | UCB Biopharma SRL                          | 26/07/2011 | 2598514 | 11736364.8 |        |
| 2604991 | IHI Inspection & Instrumentation Co., Ltd. | 14/10/2010 | 2604991 | 10855915.4 |        |
| 2609985 | Clariant S.A.                              | 08/07/2011 | 2609985 | 11819212.9 |        |
| 2615901 | Lacos Computerservice GmbH                 | 25/07/2011 | 2615901 | 11748310.7 | German |

|         |                                                                                   |            |         |            |        |
|---------|-----------------------------------------------------------------------------------|------------|---------|------------|--------|
| 2616861 | GM Plast A/S                                                                      | 16/09/2011 | 2616861 | 11761046.9 |        |
| 2619624 | Cheong, Lak                                                                       | 12/09/2011 | 2619624 | 11826480.3 |        |
| 2620224 | Kohler Co.                                                                        | 22/01/2013 | 2620224 | 13152201.3 |        |
| 2620708 | Mitsubishi Hitachi Power Systems, Ltd.                                            | 24/01/2013 | 2620708 | 13152511.5 |        |
| 2621081 | Hamilton Sundstrand Corporation                                                   | 30/01/2013 | 2621081 | 13153358.0 |        |
| 2622603 | Qualcomm Incorporated                                                             | 03/10/2011 | 2622603 | 11784532.1 |        |
| 2622711 | Electrolux Home Products Corporation<br>N.V.                                      | 27/09/2011 | 2622711 | 11761591.4 |        |
| 2623386 | Hitachi Automotive Systems, Ltd.                                                  | 28/09/2011 | 2623386 | 11829236.6 |        |
| 2624327 | Samsung SDI Co., Ltd.<br>Robert Bosch GmbH                                        | 12/09/2012 | 2624327 | 12184072.2 |        |
| 2625461 | Trojan Technologies                                                               | 03/10/2011 | 2625461 | 11830145.6 |        |
| 2628905 | United Technologies Corporation                                                   | 16/01/2013 | 2628905 | 13151515.7 |        |
| 2629411 | Linear Technology Corporation                                                     | 15/02/2013 | 2629411 | 13000787.5 |        |
| 2629689 | Bolder Surgical, LLC                                                              | 21/10/2011 | 2629689 | 11835192.3 |        |
| 2630548 | Safran Aircraft Engines                                                           | 21/10/2011 | 2630548 | 11787733.2 | French |
| 2630595 | QUALCOMM Incorporated                                                             | 20/10/2011 | 2630595 | 11835141.0 |        |
| 2632160 | Raytheon Company                                                                  | 09/07/2012 | 2632160 | 12175611.8 |        |
| 2632334 | Dexcom, Inc.                                                                      | 26/10/2011 | 2632334 | 11837040.2 |        |
| 2634239 | Lube Corporation<br>Kyodo Yushi Co., Ltd.                                         | 26/10/2011 | 2634239 | 11836314.2 |        |
| 2634300 | Fairtech Investment Limited                                                       | 28/02/2011 | 2634300 | 11831942.5 |        |
| 2634560 | BAM Bundesanstalt für<br>Materialforschung und -prüfung                           | 18/01/2013 | 2634560 | 13151867.2 | German |
| 2635076 | Wild Guard Ltd.                                                                   | 28/10/2011 | 2635076 | 11836671.5 |        |
| 2635222 | Ethicon LLC                                                                       | 04/11/2011 | 2635222 | 11784882.0 |        |
| 2636043 | Alpha Assembly Solutions Inc.                                                     | 02/11/2011 | 2636043 | 11782731.1 |        |
| 2637410 | Huawei Technologies Co., Ltd.<br>University of Science and Technology<br>of China | 29/09/2011 | 2637410 | 11848791.7 |        |
| 2638282 | Vestas Wind Systems A/S                                                           | 08/11/2011 | 2638282 | 11791195.8 |        |
| 2638701 | Google LLC                                                                        | 03/11/2011 | 2638701 | 11839722.3 |        |
| 2638774 | BlackBerry Limited                                                                | 04/11/2011 | 2638774 | 11782108.2 |        |
| 2639118 | Enshu Co., Ltd.                                                                   | 24/12/2010 | 2639118 | 10859523.2 |        |
| 2640442 | Merit Medical Systems, Inc.                                                       | 15/11/2011 | 2640442 | 11841604.9 |        |
| 2640977 | HNP Mikrosysteme GmbH                                                             | 15/11/2011 | 2640977 | 11813388.3 | German |

|         |                                                           |            |         |            |        |
|---------|-----------------------------------------------------------|------------|---------|------------|--------|
| 2643865 | The Regents of the University of California               | 22/11/2011 | 2643865 | 11845839.7 |        |
| 2644656 | Kuraray Co., Ltd.                                         | 20/01/2012 | 2644656 | 12739656.2 |        |
| 2645175 | Kyocera Document Solutions Inc.                           | 19/02/2013 | 2645175 | 13155789.4 |        |
| 2646768 | Optovue, Inc.                                             | 02/12/2011 | 2646768 | 11844544.4 |        |
| 2647644 | WAVE LIFE SCIENCES JAPAN, INC.<br>The University of Tokyo | 28/11/2011 | 2647644 | 11844255.7 |        |
| 2649036 | SABIC Global Technologies B.V.                            | 22/02/2012 | 2649036 | 12707448.2 |        |
| 2649408 | Robert Bosch GmbH                                         | 01/12/2011 | 2649408 | 11793731.8 | German |
| 2649717 | Infinirel Corporation                                     | 12/12/2011 | 2649717 | 11848715.6 |        |
| 2650271 | Tosoh Corporation                                         | 25/11/2011 | 2650271 | 11846891.7 |        |
| 2654645 | Kimberly-Clark Worldwide, Inc.                            | 16/11/2011 | 2654645 | 11850906.6 |        |
| 2655805 | ABB Schweiz AG                                            | 21/12/2011 | 2655805 | 11802935.4 | German |
| 2656187 | Voestalpine Stahl GmbH                                    | 22/12/2011 | 2656187 | 11811026.1 | German |
| 2657844 | Apple Inc.                                                | 26/09/2012 | 2657844 | 12186072.0 |        |
| 2661303 | TC1 LLC<br>The Penn State Research Foundation             | 05/01/2012 | 2661303 | 12732506.6 |        |
| 2664395 | Aida Engineering, Ltd.                                    | 15/05/2013 | 2664395 | 13167884.9 |        |
| 2665015 | Proton World International N.V.                           | 17/05/2013 | 2665015 | 13168350.0 | French |
| 2665935 | Performance Pulsation Control, Inc.                       | 20/01/2012 | 2665935 | 12736539.3 |        |
| 2666398 | Suzhou Vacs Electrical Co., Ltd.                          | 20/02/2013 | 2666398 | 13156032.8 |        |
| 2666581 | General Electric Company                                  | 24/05/2013 | 2666581 | 13169240.2 |        |
| 2668477 | Onto Innovation Inc.                                      | 27/01/2012 | 2668477 | 12739797.4 |        |
| 2672157 | The Boeing Company                                        | 05/06/2013 | 2672157 | 13170668.1 |        |
| 2673017 | LIFECCELL CORPORATION                                     | 10/02/2012 | 2673017 | 12744559.1 |        |
| 2674639 | Safran Landing Systems                                    | 28/05/2013 | 2674639 | 13169421.8 | French |
| 2674842 | Samsung Display Co., Ltd.                                 | 11/06/2013 | 2674842 | 13171530.2 |        |
| 2675204 | Nokia Solutions and Networks Oy                           | 03/02/2012 | 2675204 | 12744663.1 |        |
| 2675511 | SANOFI                                                    | 16/02/2012 | 2675511 | 12703838.8 |        |
| 2675676 | Robert Bosch GmbH                                         | 20/12/2011 | 2675676 | 11802922.2 | German |
| 2679019 | Nokia Technologies Oy                                     | 23/02/2011 | 2679019 | 11859134.6 |        |
| 2679242 | Hisamitsu Pharmaceutical Co., Inc.                        | 24/02/2012 | 2679242 | 12750249.0 |        |
| 2679371 | Mitsubishi Heavy Industries, Ltd.                         | 25/01/2012 | 2679371 | 12749971.3 |        |
| 2682022 | Trisa Holding AG                                          | 02/07/2012 | 2682022 | 12004915.0 | German |
| 2683023 | VEGA Grieshaber KG                                        | 04/07/2012 | 2683023 | 12175004.6 | German |
| 2684167 | Eutropics Pharmaceuticals, Inc.                           | 08/03/2012 | 2684167 | 12755171.1 |        |
| 2684855 | SOLETANCHE FREYSSINET                                     | 11/07/2013 | 2684855 | 13176226.2 |        |

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|---------|--------------------------------------------------------------------------------|------------|---------|------------|--------|
| 2685303 | Nanophoton Corporation                                                         | 09/03/2012 | 2685303 | 12757318.6 |        |
| 2685810 | Mirobot Ltd.                                                                   | 14/03/2012 | 2685810 | 12715731.1 |        |
| 2687584 | Kyodo Yushi Co., Ltd.                                                          | 19/03/2012 | 2687584 | 12757356.6 |        |
| 2687624 | IUCF-HYU (Industry-University<br>Cooperation Foundation Hanyang<br>University) | 09/03/2012 | 2687624 | 12757095.0 |        |
| 2687626 | IUCF-HYU (Industry-University<br>Cooperation Foundation Hanyang<br>University) | 09/03/2012 | 2687626 | 12757510.8 |        |
| 2687781 | Robert Bosch GmbH                                                              | 11/07/2013 | 2687781 | 13176109.0 | German |
| 2687911 | CANON KABUSHIKI KAISHA                                                         | 02/07/2013 | 2687911 | 13174748.7 |        |
| 2689365 | Becton Dickinson and Company                                                   | 20/03/2012 | 2689365 | 12761433.7 |        |
| 2690349 | Valeo Vision                                                                   | 15/07/2013 | 2690349 | 13176438.3 | French |
| 2690782 | Murata Manufacturing Co., Ltd.                                                 | 21/03/2012 | 2690782 | 12759963.7 |        |
| 2690815 | LG Electronics Inc.                                                            | 21/03/2012 | 2690815 | 12760215.9 |        |
| 2693495 | AZURSPACE Solar Power GmbH                                                     | 31/07/2012 | 2693495 | 12005554.6 | German |
| 2695454 | Intel Corporation                                                              | 30/09/2011 | 2695454 | 11862734.8 |        |
| 2696653 | SUMITOMO CHEMICAL<br>COMPANY, LIMITED                                          | 30/03/2012 | 2696653 | 12764739.4 |        |
| 2698006 | Samsung Electronics Co., Ltd.                                                  | 10/04/2012 | 2698006 | 12771597.7 |        |
| 2698431 | Chugai Seiyaku Kabushiki Kaisha                                                | 30/03/2012 | 2698431 | 12764620.6 |        |
| 2699401 | Robert Bosch GmbH                                                              | 09/03/2012 | 2699401 | 12708829.2 | German |
| 2700394 | Kulzer GmbH                                                                    | 27/06/2013 | 2700394 | 13003271.7 | German |
| 2701358 | Huawei Technologies Co., Ltd.                                                  | 04/07/2012 | 2701358 | 12791067.7 |        |
| 2707871 | SILENTIUM LTD.                                                                 | 10/05/2012 | 2707871 | 12782754.1 |        |
| 2709303 | Novelsat Ltd.                                                                  | 12/09/2013 | 2709303 | 13184075.3 |        |
| 2709634 | Mesoblast, Inc.                                                                | 18/05/2012 | 2709634 | 12785672.2 |        |
| 2711956 | Fuji Electric FA Components &<br>Systems Co. Ltd.                              | 09/05/2012 | 2711956 | 12785055.0 |        |
| 2714593 | Canon Kabushiki Kaisha<br>University of Yamanashi                              | 17/05/2012 | 2714593 | 12726655.9 |        |
| 2715531 | Microsoft Technology Licensing, LLC                                            | 09/10/2011 | 2715531 | 11866792.2 |        |
| 2716396 | Mitsubishi Hitachi Power Systems, Ltd.                                         | 18/05/2012 | 2716396 | 12789220.6 |        |
| 2716961 | Stanley Electric Co., Ltd.                                                     | 22/05/2012 | 2716961 | 12789341.0 |        |
| 2717888 | Tissueteck, Inc.                                                               | 08/06/2012 | 2717888 | 12796366.8 |        |
| 2718253 | 3M Innovative Properties Company                                               | 22/05/2012 | 2718253 | 12726957.9 |        |
| 2718475 | Oerlikon Metco WOKA GmbH                                                       | 31/05/2012 | 2718475 | 12727134.4 | German |

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| 2718644 | Carrier Corporation                                                                        | 10/04/2012 | 2718644 | 12783379.6 |        |
| 2718659 | Elbit Systems of America, LLC                                                              | 29/05/2012 | 2718659 | 12729765.3 |        |
| 2718866 | Koninklijke Philips N.V.                                                                   | 17/04/2012 | 2718866 | 12721352.8 |        |
| 2721800 | Vesta Solutions, Inc.                                                                      | 18/06/2012 | 2721800 | 12729801.6 |        |
| 2722125 | KGR S.p.A.                                                                                 | 14/10/2013 | 2722125 | 13004914.1 |        |
| 2728089 | American Wave Machines, Inc.                                                               | 28/10/2013 | 2728089 | 13190442.7 |        |
| 2729746 | Bosch Automotive Service Solutions Inc.                                                    | 06/07/2012 | 2729746 | 12810842.0 |        |
| 2733090 | Vanderlande Industries B.V.                                                                | 13/11/2013 | 2733090 | 13192624.8 |        |
| 2733894 | Furukawa Electric Co., Ltd.                                                                | 12/07/2012 | 2733894 | 12811697.7 |        |
| 2734468 | Flex-G Pty Ltd                                                                             | 13/07/2012 | 2734468 | 12814402.9 |        |
| 2734564 | Covestro Deutschland AG                                                                    | 16/07/2012 | 2734564 | 12740538.9 | German |
| 2734853 | Koninklijke Philips N.V.                                                                   | 16/07/2012 | 2734853 | 12744121.0 |        |
| 2735132 | Nokia Technologies Oy                                                                      | 16/07/2012 | 2735132 | 12814612.3 |        |
| 2735424 | ENGEL AUSTRIA GmbH                                                                         | 14/11/2013 | 2735424 | 13005369.7 | German |
| 2736520 | Wm. Wrigley Jr. Company                                                                    | 10/07/2012 | 2736520 | 12818073.4 |        |
| 2737915 | Nikkiso Company Limited                                                                    | 26/07/2012 | 2737915 | 12817562.7 |        |
| 2739242 | Xiros Limited                                                                              | 20/07/2012 | 2739242 | 12741065.2 |        |
| 2739280 | Indus Biotech Private Limited                                                              | 17/07/2012 | 2739280 | 12814457.3 |        |
| 2740262 | Koninklijke Philips N.V.                                                                   | 27/07/2012 | 2740262 | 12772430.0 |        |
| 2743165 | Yamaha Hatsudoki Kabushiki Kaisha                                                          | 16/12/2013 | 2743165 | 13197312.5 |        |
| 2743910 | Samsung Display Co., Ltd.                                                                  | 05/07/2013 | 2743910 | 13175245.3 |        |
| 2745383 | Robert Bosch GmbH                                                                          | 20/06/2012 | 2745383 | 12728568.2 | German |
| 2747124 | Micromass UK Limited                                                                       | 12/12/2007 | 2747124 | 14160352.2 |        |
| 2751622 | Rolex S.A.                                                                                 | 30/08/2012 | 2751622 | 12756155.3 | French |
| 2752517 | WHIRLPOOL CORPORATION                                                                      | 20/12/2013 | 2752517 | 13198850.3 |        |
| 2752623 | Electrolux Home Products Corporation N.V.                                                  | 08/01/2013 | 2752623 | 13150441.7 |        |
| 2754388 | Helmholtz Zentrum München<br>Deutsches Forschungszentrum für<br>Gesundheit und Umwelt GmbH | 15/01/2013 | 2754388 | 13000202.5 |        |
| 2756333 | INOVA Ltd.                                                                                 | 17/09/2012 | 2756333 | 12770358.5 |        |
| 2756433 | Microsoft Technology Licensing, LLC                                                        | 10/09/2012 | 2756433 | 12831036.4 |        |
| 2757541 | NISSAN MOTOR CO., LTD.                                                                     | 27/07/2012 | 2757541 | 12832527.1 |        |
| 2758023 | Septodont ou Septodont SAS ou<br>Specialites Septodont                                     | 21/09/2012 | 2758023 | 12759783.9 |        |
| 2758091 | Medtronic PS Medical, Inc.                                                                 | 21/09/2012 | 2758091 | 12766839.0 |        |

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| 2761797 | Nokia Solutions and Networks Oy                                                                                                                   | 21/12/2011 | 2761797 | 11873292.4 |        |
| 2761861 | British Telecommunications public<br>limited company                                                                                              | 21/09/2012 | 2761861 | 12767077.6 |        |
| 2761921 | Samsung Electronics Co., Ltd.                                                                                                                     | 28/09/2012 | 2761921 | 12835089.9 |        |
| 2762195 | Moshe, Ein-Gal                                                                                                                                    | 21/01/2014 | 2762195 | 14151887.8 |        |
| 2763021 | Samsung Electronics Co., Ltd.                                                                                                                     | 24/01/2014 | 2763021 | 14152465.2 |        |
| 2763025 | Peking University Founder Group Co.,<br>Ltd<br>Peking University<br>Beijing Founder Electronics Co., Ltd.<br>Peking University Founder R&D Center | 26/09/2012 | 2763025 | 12835787.8 |        |
| 2763179 | Renesas Electronics Corporation                                                                                                                   | 07/01/2014 | 2763179 | 14150329.2 |        |
| 2764255 | President and Fellows of Harvard<br>College                                                                                                       | 08/10/2012 | 2764255 | 12864130.5 |        |
| 2766134 | Constance Corp. S.A.                                                                                                                              | 08/10/2012 | 2766134 | 12795017.8 | French |
| 2766719 | Heinrich Heine Universität Düsseldorf                                                                                                             | 10/10/2012 | 2766719 | 12778685.3 | German |
| 2768555 | SANOFI                                                                                                                                            | 11/10/2012 | 2768555 | 12770489.8 |        |
| 2768601 | EIG Inc.<br>Sri International Inc.                                                                                                                | 26/09/2012 | 2768601 | 12835398.4 |        |
| 2769123 | Drexler, Rainer                                                                                                                                   | 15/10/2012 | 2769123 | 12805567.0 | German |
| 2772735 | THALES                                                                                                                                            | 24/02/2014 | 2772735 | 14156427.8 | French |
| 2773590 | NCH Corporation                                                                                                                                   | 31/10/2012 | 2773590 | 12846123.3 |        |
| 2774635 | Asahi Kasei Medical Co., Ltd.                                                                                                                     | 02/11/2012 | 2774635 | 12845111.9 |        |
| 2775743 | Huawei Technologies Co., Ltd.                                                                                                                     | 31/12/2012 | 2775743 | 12888211.5 |        |
| 2776120 | Neuroenabling Technologies, Inc.                                                                                                                  | 13/11/2012 | 2776120 | 12848368.2 |        |
| 2777507 | Shubin, Sr., Steven, A.                                                                                                                           | 21/02/2014 | 2777507 | 14156153.0 |        |
| 2778789 | Ricoh Company Ltd.                                                                                                                                | 13/02/2014 | 2778789 | 14155056.6 |        |
| 2778848 | Immersion Corporation                                                                                                                             | 11/03/2014 | 2778848 | 14158952.3 |        |
| 2780377 | Roquette Frères                                                                                                                                   | 16/11/2012 | 2780377 | 12795567.2 | French |
| 2780687 | Smiths Detection Inc.                                                                                                                             | 14/11/2012 | 2780687 | 12849535.5 |        |
| 2781123 | Nokia Solutions and Networks Oy                                                                                                                   | 12/11/2012 | 2781123 | 12787428.7 |        |
| 2782753 | Corning Incorporated                                                                                                                              | 14/11/2012 | 2782753 | 12791659.1 |        |
| 2783230 | Koninklijke Philips N.V.                                                                                                                          | 22/11/2012 | 2783230 | 12806687.5 |        |
| 2785033 | Fuji Xerox Co., Ltd.                                                                                                                              | 09/10/2013 | 2785033 | 13187834.0 |        |
| 2785354 | Amino Up Chemical Co., Ltd.                                                                                                                       | 29/11/2012 | 2785354 | 12791511.4 |        |
| 2790397 | Sony Corporation                                                                                                                                  | 16/10/2012 | 2790397 | 12856531.4 |        |
| 2790668 | EnGeneIC Molecular Delivery Pty Ltd.                                                                                                              | 12/12/2012 | 2790668 | 12857452.2 |        |

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| 2791346 | IFP Energies nouvelles                              | 29/11/2012 | 2791346 | 12813406.1 | French |
| 2791745 | Valmet Automation Oy                                | 15/12/2011 | 2791745 | 11877379.5 |        |
| 2799713 | HAWE Hydraulik SE                                   | 03/05/2013 | 2799713 | 13166461.7 | German |
| 2800268 | GE Energy Power Conversion<br>Technology Limited    | 30/04/2014 | 2800268 | 14166680.0 |        |
| 2800694 | The Boeing Company                                  | 30/10/2012 | 2800694 | 12795127.5 |        |
| 2800800 | Johnson Matthey Public Limited<br>Company           | 04/01/2013 | 2800800 | 13700182.2 |        |
| 2800921 | Seal for Life Industries US LLC                     | 03/01/2013 | 2800921 | 13703910.3 |        |
| 2802204 | FBSciences Holdings, Inc.                           | 11/01/2013 | 2802204 | 13735635.8 |        |
| 2804061 | Siemens Aktiengesellschaft                          | 16/05/2013 | 2804061 | 13168070.4 | German |
| 2804760 | Entrust Datacard Corporation                        | 22/02/2013 | 2804760 | 13751868.4 |        |
| 2805053 | Emerson Climate Technologies, Inc.                  | 11/01/2013 | 2805053 | 13736303.2 |        |
| 2806500 | TE Connectivity Germany GmbH                        | 22/11/2013 | 2806500 | 13194132.0 | German |
| 2808088 | Altachem NV                                         | 31/05/2013 | 2808088 | 13170020.5 |        |
| 2808655 | inelta Sensorsysteme GmbH & Co.                     | 23/05/2014 | 2808655 | 14169562.7 | German |
| 2808826 | MAN Truck & Bus SE                                  | 15/01/2014 | 2808826 | 14000134.8 | German |
| 2810150 | Microsoft Technology Licensing, LLC                 | 24/01/2013 | 2810150 | 13743289.4 |        |
| 2810492 | Sierra Wireless, Inc.                               | 01/02/2013 | 2810492 | 13743844.6 |        |
| 2811919 | Merit Medical Systems, Inc.                         | 05/02/2013 | 2811919 | 13746173.7 |        |
| 2812954 | 3M Innovative Properties Company                    | 05/02/2013 | 2812954 | 13746998.7 |        |
| 2813330 | TPV GmbH                                            | 30/04/2014 | 2813330 | 14166686.7 | German |
| 2813947 | Samsung Electronics Co., Ltd.                       | 12/06/2014 | 2813947 | 14172184.5 |        |
| 2814545 | Sanofi-Aventis Deutschland GmbH                     | 08/02/2013 | 2814545 | 13706190.9 |        |
| 2814603 | Advanced Refining Technologies, LLC                 | 15/02/2013 | 2814603 | 13749889.5 |        |
| 2815011 | Nilit Ltd.                                          | 10/02/2013 | 2815011 | 13749149.4 |        |
| 2815746 | Fujian South Pharmaceutical Co., Ltd                | 04/12/2013 | 2815746 | 13870395.4 |        |
| 2817608 | Halliburton Energy Services, Inc.                   | 25/01/2013 | 2817608 | 13703951.7 |        |
| 2817905 | LG Electronics Inc.                                 | 20/02/2013 | 2817905 | 13752322.1 |        |
| 2817964 | Cliris<br>Zeller, Alexandre                         | 22/02/2013 | 2817964 | 13707586.7 | French |
| 2818143 | Senju Pharmaceutical Co., Ltd.<br>Kishimoto, Makoto | 18/04/2012 | 2818143 | 12869249.8 |        |
| 2819501 | HUSQVARNA AB                                        | 02/03/2012 | 2819501 | 12870225.5 |        |
| 2820406 | Nalco Company                                       | 16/11/2012 | 2820406 | 12853511.9 |        |
| 2820742 | Samsung Electronics Co., Ltd.                       | 28/02/2013 | 2820742 | 13754734.5 |        |

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|---------|--------------------------------------------------------------------------------------|------------|---------|------------|--------|
| 2821401 | Takeda Pharmaceutical Company Limited                                                | 28/02/2013 | 2821401 | 13754154.6 |        |
| 2821739 | HUPFER Metallwerke GmbH & Co. KG                                                     | 07/07/2014 | 2821739 | 14176020.7 | German |
| 2823626 | Headwater Partners II LLC                                                            | 08/03/2013 | 2823626 | 13711236.3 |        |
| 2825267 | Meggitt Safety Systems, Inc.                                                         | 15/03/2013 | 2825267 | 13813530.6 |        |
| 2825300 | AdvanSix Resins & Chemicals LLC                                                      | 04/03/2013 | 2825300 | 13761234.7 |        |
| 2825779 | Bayerische Motoren Werke Aktiengesellschaft                                          | 28/01/2013 | 2825779 | 13702964.1 | German |
| 2826688 | Volvo Car Corporation                                                                | 17/07/2013 | 2826688 | 13176803.8 |        |
| 2827332 | NXP B.V.                                                                             | 19/07/2013 | 2827332 | 13290171.1 |        |
| 2827733 | NIKE Innovate C.V.                                                                   | 20/03/2013 | 2827733 | 13717361.3 |        |
| 2828037 | Wera Werkzeuge GmbH                                                                  | 13/03/2013 | 2828037 | 13709102.1 | German |
| 2828044 | Toyota Jidosha Kabushiki Kaisha                                                      | 14/03/2013 | 2828044 | 13716375.4 |        |
| 2828620 | The Chancellor, Masters and Scholars of The University of Oxford                     | 13/03/2013 | 2828620 | 13713477.1 |        |
| 2828910 | Duracell U.S. Operations, Inc.                                                       | 21/03/2013 | 2828910 | 13716903.3 |        |
| 2829219 | National University Corporation Asahikawa Medical University Kabushiki Kaisha Topcon | 08/03/2013 | 2829219 | 13761015.0 |        |
| 2829624 | Airbus Defence and Space GmbH                                                        | 23/07/2014 | 2829624 | 14002549.5 | German |
| 2829923 | Okidata Corporation                                                                  | 16/05/2014 | 2829923 | 14168721.0 |        |
| 2831403 | United Technologies Corporation                                                      | 25/03/2013 | 2831403 | 13768646.5 |        |
| 2831460 | KNORR-BREMSE Systeme für Nutzfahrzeuge GmbH                                          | 21/03/2013 | 2831460 | 13712202.4 | German |
| 2833213 | CANON KABUSHIKI KAISHA                                                               | 17/07/2014 | 2833213 | 14177516.3 |        |
| 2834011 | Eclipse Magnetics Limited                                                            | 02/04/2013 | 2834011 | 13715424.1 |        |
| 2835038 | Tridonic GmbH & Co KG                                                                | 04/04/2013 | 2835038 | 13720748.6 | German |
| 2835603 | Zhejiang Sanhua Automotive Components Co., Ltd.                                      | 04/02/2013 | 2835603 | 13755273.3 |        |
| 2835972 | Samsung Display Co., Ltd.                                                            | 07/07/2014 | 2835972 | 14176015.7 |        |
| 2837243 | Motorola Solutions, Inc.                                                             | 02/04/2013 | 2837243 | 13720167.9 |        |
| 2837685 | DAIICHI SANKYO COMPANY, LIMITED                                                      | 09/04/2013 | 2837685 | 13776053.4 |        |
| 2838309 | Huawei Technologies Co., Ltd.                                                        | 28/10/2013 | 2838309 | 13834289.4 |        |
| 2838412 | Koninklijke Philips N.V.                                                             | 08/04/2013 | 2838412 | 13726277.0 |        |
| 2838968 | tesa SE                                                                              | 25/03/2013 | 2838968 | 13712757.7 | German |

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|---------|-----------------------------------------------------------------|------------|---------|------------|--------|
| 2840365 | Panasonic Intellectual Property Management Co., Ltd.            | 17/04/2013 | 2840365 | 13779025.9 |        |
| 2842303 | Microsoft Technology Licensing, LLC                             | 18/04/2013 | 2842303 | 13718997.3 |        |
| 2842500 | Ethicon Endo-Surgery, Inc.                                      | 31/05/2007 | 2842500 | 14190271.8 |        |
| 2842670 | SMW-AUTOBLOK Spannsysteme GmbH                                  | 17/07/2014 | 2842670 | 14177457.0 | German |
| 2843007 | LG Chem, Ltd.                                                   | 31/05/2013 | 2843007 | 13796271.8 |        |
| 2843215 | NISSAN MOTOR CO., LTD.                                          | 12/03/2013 | 2843215 | 13780897.8 |        |
| 2844874 | Eaton Corporation                                               | 01/05/2013 | 2844874 | 13722927.4 |        |
| 2845330 | Samsung Electronics Co., Ltd.                                   | 30/04/2013 | 2845330 | 13784741.4 |        |
| 2846164 | Datang Mobile Communications Equipment Co., Ltd.                | 23/11/2012 | 2846164 | 12878881.7 |        |
| 2846209 | CLAAS Tractor S.A.S.                                            | 15/07/2014 | 2846209 | 14177076.8 | German |
| 2848352 | Osaka University                                                | 11/04/2013 | 2848352 | 13787442.6 |        |
| 2849814 | TC1 LLC                                                         | 13/05/2013 | 2849814 | 13790890.1 |        |
| 2849884 | Archer-Daniels-Midland Company                                  | 14/05/2013 | 2849884 | 13726929.6 |        |
| 2851257 | Bombardier Transportation GmbH                                  | 24/09/2013 | 2851257 | 13185797.1 |        |
| 2852558 | The Board of Trustees of Western Michigan University            | 21/05/2013 | 2852558 | 13804080.3 |        |
| 2852813 | Common Sensing Inc.                                             | 21/05/2013 | 2852813 | 13793067.3 |        |
| 2854076 | Brother Kogyo Kabushiki Kaisha                                  | 29/09/2014 | 2854076 | 14186929.7 |        |
| 2855034 | Koninklijke Philips N.V.                                        | 21/05/2013 | 2855034 | 13732256.6 |        |
| 2855138 | Bleistahl-Produktions GmbH & Co KG.                             | 27/05/2013 | 2855138 | 13732372.1 | German |
| 2857001 | Hot Album Tansansen Tablet, Inc.                                | 27/05/2013 | 2857001 | 13796284.1 |        |
| 2857115 | Bartell Machinery Systems, LLC.                                 | 06/08/2014 | 2857115 | 14179988.2 |        |
| 2857194 | Ondaplast S.p.a.<br>Alma Mater Studiorum -Università di Bologna | 03/10/2013 | 2857194 | 13425135.4 |        |
| 2857363 | AGC Ceramics Co., Ltd.                                          | 30/05/2012 | 2857363 | 12877842.0 |        |
| 2859062 | University Of Leeds                                             | 06/06/2013 | 2859062 | 13729054.0 |        |
| 2859337 | Liposcience, Inc.                                               | 07/06/2013 | 2859337 | 13800325.6 |        |
| 2860834 | The Boeing Company                                              | 10/10/2014 | 2860834 | 14188522.8 |        |
| 2861127 | Fresenius Medical Care Deutschland GmbH                         | 14/06/2013 | 2861127 | 13728759.5 |        |
| 2861240 | Immunomic Therapeutics, Inc.                                    | 15/06/2012 | 2861240 | 12878776.9 |        |
| 2861789 | DuPont Safety & Construction, Inc.                              | 11/06/2013 | 2861789 | 13783124.4 |        |
| 2862672 | Forel Spa                                                       | 16/10/2014 | 2862672 | 14189154.9 |        |

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|---------|---------------------------------------------------------|------------|---------|------------|--------|
| 2862892 | Toyobo Co., Ltd.                                        | 19/07/2013 | 2862892 | 13825561.7 |        |
| 2863152 | Mitsubishi Electric Corporation                         | 30/05/2012 | 2863152 | 12878027.7 |        |
| 2865238 | OSRAM GmbH                                              | 25/06/2013 | 2865238 | 13732132.9 | German |
| 2865432 | DONALDSON COMPANY, INC.                                 | 16/06/2005 | 2865432 | 14172879.0 |        |
| 2865616 | Itoh Denki Co., Ltd.                                    | 19/06/2013 | 2865616 | 13806202.1 |        |
|         | University of Hyogo                                     |            |         |            |        |
| 2868498 | The Goodyear Tire & Rubber Company                      | 29/10/2014 | 2868498 | 14190793.1 |        |
| 2869160 | EM Microelectronic-Marin SA                             | 30/10/2013 | 2869160 | 13190907.9 |        |
| 2870293 | Ten Cate Thiolon B.V.                                   | 04/07/2013 | 2870293 | 13739855.8 |        |
| 2870458 | Beckman Coulter, Inc.                                   | 03/07/2013 | 2870458 | 13742312.5 |        |
| 2870469 | Agilent Technologies, Inc.                              | 05/07/2012 | 2870469 | 12738306.5 |        |
| 2870589 | Giesecke+Devrient Currency<br>Technology GmbH           | 04/07/2013 | 2870589 | 13734967.6 | German |
| 2870694 | Skyworks Solutions, Inc.                                | 06/07/2013 | 2870694 | 13817490.9 |        |
| 2871714 | Huawei Device Co., Ltd.                                 | 11/07/2014 | 2871714 | 14814654.1 |        |
| 2872082 | Avedro, Inc.                                            | 15/03/2013 | 2872082 | 13819425.3 |        |
| 2872204 | Novartis AG                                             | 09/07/2013 | 2872204 | 13734457.8 |        |
| 2872585 | Cabot Microelectronics Corporation                      | 09/07/2013 | 2872585 | 13817494.1 |        |
| 2872673 | United Initiators GmbH                                  | 12/07/2013 | 2872673 | 13735335.5 | German |
| 2872718 | PSA Automobiles SA                                      | 03/06/2013 | 2872718 | 13730026.5 | French |
| 2873864 | Panasonic Intellectual Property<br>Management Co., Ltd. | 21/06/2013 | 2873864 | 13810070.6 |        |
| 2874544 | Koninklijke Philips N.V.                                | 01/07/2013 | 2874544 | 13748109.9 |        |
| 2875070 | BASF Coatings GmbH                                      | 16/07/2013 | 2875070 | 13737832.9 |        |
| 2875461 | ORANGE                                                  | 16/07/2013 | 2875461 | 13744759.5 | French |
| 2875542 | AZA Holding Pte. Ltd.                                   | 16/07/2013 | 2875542 | 13776560.8 |        |
| 2875932 | SLM Solutions Group AG                                  | 25/11/2013 | 2875932 | 13194232.8 |        |
| 2877328 | Key Knife, Inc.                                         | 23/07/2013 | 2877328 | 13748137.0 |        |
| 2877980 | Koninklijke Philips N.V.                                | 09/07/2013 | 2877980 | 13773346.5 |        |
| 2878627 | Mitsubishi Gas Chemical Company,<br>Inc.                | 22/07/2013 | 2878627 | 13823792.0 |        |
| 2878902 | Mitsubishi Electric Corporation                         | 24/07/2012 | 2878902 | 12881820.0 |        |
| 2880352 | Spartan Boss Ltd                                        | 05/08/2013 | 2880352 | 13760076.3 |        |
| 2880459 | Siemens Healthcare GmbH                                 | 21/09/2012 | 2880459 | 12774973.7 | German |
| 2880698 | Ecole Polytechnique Fédérale de<br>Lausanne (EPFL)      | 24/07/2013 | 2880698 | 13773384.6 |        |
| 2880736 | Koninklijke Philips N.V.                                | 10/07/2013 | 2880736 | 13766690.5 |        |

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|---------|-------------------------------------------------------------------|------------|---------|------------|--------|
| 2881450 | Adeka Corporation                                                 | 21/06/2013 | 2881450 | 13825003.0 |        |
| 2881591 | PFEIFFER VACUUM GMBH                                              | 30/09/2014 | 2881591 | 14187044.4 | German |
| 2882089 | General Electric Technology GmbH                                  | 05/12/2013 | 2882089 | 13195871.2 |        |
| 2883613 | Jiangsu Zhongneng Polysilicon<br>Technology Development Co., Ltd. | 13/08/2013 | 2883613 | 13829331.1 |        |
| 2883717 | The Goodyear Tire & Rubber Company                                | 08/12/2014 | 2883717 | 14196683.8 |        |
| 2883838 | Samsung SDI Co., Ltd.                                             | 10/05/2013 | 2883838 | 13827963.3 |        |
| 2884583 | Siemens Aktiengesellschaft                                        | 13/12/2013 | 2884583 | 13197225.9 |        |
| 2884639 | Beckhoff Automation GmbH                                          | 19/02/2013 | 2884639 | 15151120.1 | German |
| 2886373 | The Goodyear Tire & Rubber Company                                | 11/12/2014 | 2886373 | 14197271.1 |        |
| 2888418 | Henkel AG & Co. KGaA                                              | 05/03/2013 | 2888418 | 13707624.6 | German |
| 2889971 | NGK SPARK PLUG CO., LTD.                                          | 10/04/2013 | 2889971 | 13831567.6 |        |
| 2890174 | ZTE Corporation                                                   | 22/08/2013 | 2890174 | 13830959.6 |        |
| 2890763 | Riedewald, Frank                                                  | 12/07/2013 | 2890763 | 13749994.3 |        |
| 2892138 | Hyundai Motor Company                                             | 18/07/2014 | 2892138 | 14177649.2 |        |
| 2895076 | Koninklijke Philips N.V.                                          | 12/09/2013 | 2895076 | 13799371.3 |        |
| 2896898 | Falkeis, Anton                                                    | 16/01/2015 | 2896898 | 15151386.8 | German |
| 2897660 | Merit Medical Systems, Inc.                                       | 17/09/2013 | 2897660 | 13838578.6 |        |
| 2897705 | Wintech Global                                                    | 18/09/2013 | 2897705 | 13774757.2 | French |
| 2899870 | GE Energy Power Conversion<br>Technology Ltd                      | 23/01/2015 | 2899870 | 15152266.1 |        |
| 2900839 | Aktiebolaget SKF                                                  | 26/09/2013 | 2900839 | 13766367.0 |        |
| 2903160 | Mitsubishi Electric Corporation                                   | 23/01/2015 | 2903160 | 15152367.7 |        |
| 2903217 | Siemens Schweiz AG                                                | 30/01/2014 | 2903217 | 14153345.5 |        |
| 2904775 | Intel Corporation                                                 | 17/06/2013 | 2904775 | 13843226.5 |        |
| 2904880 | Heraeus Noblelight GmbH                                           | 12/09/2013 | 2904880 | 13762118.1 | German |
| 2905083 | Musashi Engineering, Inc.                                         | 30/09/2013 | 2905083 | 13843394.1 |        |
| 2905167 | Kawasaki Jukogyo Kabushiki Kaisha                                 | 03/07/2013 | 2905167 | 13843610.0 |        |
| 2905852 | Ormazabal Y Cia., S.L.U.                                          | 06/02/2014 | 2905852 | 14382044.7 |        |
| 2905925 | IQVIA Inc.                                                        | 03/02/2015 | 2905925 | 15153552.3 |        |
| 2908946 | BASF Corporation                                                  | 17/10/2013 | 2908946 | 13847344.2 |        |
| 2909030 | SUMIRIKO ITALY S.P.A.                                             | 21/10/2013 | 2909030 | 13821951.4 |        |
| 2910606 | JNC Corporation                                                   | 11/10/2013 | 2910606 | 13849766.4 |        |
| 2911321 | QUALCOMM Incorporated                                             | 22/10/2013 | 2911321 | 13849881.1 |        |
| 2911371 | Sony Corporation                                                  | 17/09/2013 | 2911371 | 13847294.9 |        |
| 2911620 | W. L. Gore & Associates, Inc.                                     | 08/10/2013 | 2911620 | 13779496.2 |        |
| 2912449 | General Electric Company                                          | 24/10/2013 | 2912449 | 13811270.1 |        |

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| 2912486 | Valeo Schalter und Sensoren GmbH                                                                                                                                   | 13/09/2013 | 2912486 | 13760065.6 |        |
| 2912728 | Rosenberger Hochfrequenztechnik GmbH & Co. KG                                                                                                                      | 28/10/2013 | 2912728 | 13783491.7 | German |
| 2912859 | Corning Incorporated                                                                                                                                               | 23/10/2013 | 2912859 | 13793008.7 |        |
| 2913291 | Tadano Mantis Corporation                                                                                                                                          | 27/02/2015 | 2913291 | 15157058.7 |        |
| 2913386 | Fuchs Petrolub SE                                                                                                                                                  | 27/02/2015 | 2913386 | 15156842.5 | German |
| 2913542 | HUTCHINSON                                                                                                                                                         | 25/02/2015 | 2913542 | 15156627.0 | French |
| 2913784 | Liveperson Inc.                                                                                                                                                    | 14/12/2011 | 2913784 | 15161694.3 |        |
| 2915378 | Intel Corporation                                                                                                                                                  | 30/10/2013 | 2915378 | 13850951.8 |        |
| 2915385 | BlackBerry Limited                                                                                                                                                 | 01/11/2013 | 2915385 | 13789954.8 |        |
| 2916403 | NGK Spark Plug Co., Ltd.                                                                                                                                           | 13/06/2013 | 2916403 | 13851072.2 |        |
| 2917082 | WAYMO LLC                                                                                                                                                          | 06/11/2013 | 2917082 | 13852521.7 |        |
| 2917666 | NextChem S.p.A.<br>Pellegrini, Laura Annamaria                                                                                                                     | 01/10/2013 | 2917666 | 13774252.4 |        |
| 2917686 | Axsun Technologies LLC                                                                                                                                             | 25/09/2013 | 2917686 | 13774877.8 |        |
| 2918621 | Mitsubishi Gas Chemical Company, Inc.                                                                                                                              | 01/11/2013 | 2918621 | 13852903.7 |        |
| 2919283 | Samsung Electronics Co., Ltd.                                                                                                                                      | 23/07/2014 | 2919283 | 14178158.3 |        |
| 2919450 | Wipro Limited                                                                                                                                                      | 11/03/2015 | 2919450 | 15158608.8 |        |
| 2919769 | Neurochlore<br>INSERM - Institut National de la Santé<br>et de la Recherche Médicale<br>Université d'Aix Marseille<br>Centre Hospitalier Universitaire de<br>Brest | 15/11/2013 | 2919769 | 13789831.8 |        |
| 2921770 | VALEO ILUMINACION                                                                                                                                                  | 13/03/2015 | 2921770 | 15159028.8 | French |
| 2921898 | Mitsubishi Electric Corporation                                                                                                                                    | 03/06/2013 | 2921898 | 13855966.1 |        |
| 2922860 | BASF SE                                                                                                                                                            | 12/07/2013 | 2922860 | 13765489.3 |        |
| 2926421 | Thorlabs Quantum Electronics, Inc.                                                                                                                                 | 27/11/2013 | 2926421 | 13808371.2 |        |
| 2928899 | Merck Patent GmbH                                                                                                                                                  | 06/12/2013 | 2928899 | 13852370.9 |        |
| 2929037 | Global Bioenergies                                                                                                                                                 | 03/12/2013 | 2929037 | 13823939.7 |        |
| 2929396 | Robert Bosch GmbH                                                                                                                                                  | 07/12/2012 | 2929396 | 12889672.7 |        |
| 2931079 | Rig Equipment Limited                                                                                                                                              | 17/12/2013 | 2931079 | 13808197.1 |        |
| 2931343 | Tracoe Medical GmbH                                                                                                                                                | 05/12/2013 | 2931343 | 13805320.2 | German |
| 2932553 | Sion Power Corporation                                                                                                                                             | 27/11/2013 | 2932553 | 13863879.6 |        |
| 2932598 | BSH Hausgeräte GmbH                                                                                                                                                | 09/12/2013 | 2932598 | 13821182.6 | German |
| 2932884 | Intuitive Surgical Operations, Inc.                                                                                                                                | 28/11/2001 | 2932884 | 15171235.3 |        |

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|---------------------|-------------------------------------------------------------------------------|---------------------------------------------------------------|---------|-------------------|--------|
| 2932893             | Integra LifeSciences Corporation                                              | 12/03/2014                                                    | 2932893 | 15168708.4        |        |
| 2933656             | The Boeing Company                                                            | 20/02/2015                                                    | 2933656 | 15155960.6        |        |
| 2934196             | Philip Morris Products S.A.                                                   | 18/12/2013                                                    | 2934196 | 13811796.5        |        |
| 2934639             | Koninklijke Philips N.V.                                                      | 24/09/2013                                                    | 2934639 | 13811003.6        |        |
| 2935281             | Université de Droit et de la Santé de<br>Lille 2                              | 20/12/2013                                                    | 2935281 | 13814940.6        | French |
| 2935483             | Momentive Performance Materials Inc.                                          | 19/12/2013                                                    | 2935483 | 13817827.2        |        |
| 2935716             | Deutsche Rockwool Mineralwoll<br>GmbH & Co. OHG<br>Rockwool International A/S | 18/12/2013                                                    | 2935716 | 13808032.0        |        |
| 2936255             | Koninklijke Philips N.V.                                                      | 18/12/2013                                                    | 2936255 | 13834311.6        |        |
| 2937837             | General Electric Company                                                      | 23/04/2015                                                    | 2937837 | 15164913.4        |        |
| 2938430             | ENI S.p.A.                                                                    | 27/12/2013                                                    | 2938430 | 13818226.6        |        |
| 2939022             | NX PRENATAL INC.                                                              | 26/12/2013                                                    | 2939022 | 13867314.0        |        |
| 2941342             | The Boeing Company                                                            | 21/11/2013                                                    | 2941342 | 13808304.3        |        |
| 2941537             | WB Development Company LLC                                                    | 31/12/2013                                                    | 2941537 | 13821647.8        |        |
| 2943962             | TE Connectivity Corporation                                                   | 06/01/2014                                                    | 2943962 | 14701247.0        |        |
| 2944986             | Ricoh Company, Ltd.                                                           | 06/05/2015                                                    | 2944986 | 15166617.9        |        |
| 2945647             | Memorial Sloan Kettering Cancer<br>Center                                     | 15/01/2014                                                    | 2945647 | 14741142.5        |        |
| 2946216             | Schneider Electric USA, Inc.                                                  | 18/01/2013                                                    | 2946216 | 13870469.7        |        |
| 2946604             | Intel IP Corporation                                                          | 26/09/2013                                                    | 2946604 | 13871551.1        |        |
| 2947000             | Altave Indústria, Comércio e<br>Exportação de Aeronaves Ltda ME               | 17/01/2014                                                    | 2947000 | 14741015.3        |        |
| 2947144             | Yusa, Seiichi<br>Abe, Hiroyuki                                                | 14/01/2014                                                    | 2947144 | 14740451.1        |        |
| 2948603             | Firestone Building Products Company,<br>LLC                                   | 23/01/2014                                                    | 2948603 | 14704957.1        |        |
| 2948916             | General Electric Company                                                      | 18/12/2013                                                    | 2948916 | 13826679.6        |        |
| 2949163             | Apple Inc.                                                                    | 16/01/2014                                                    | 2949163 | 14703990.3        |        |
| 2949188             | Dell Products L.P.                                                            | 21/06/2013                                                    | 2949188 | 13873085.8        |        |
| 2950800             | Ocuphire Pharma, Inc.                                                         | 31/01/2014                                                    | 2950800 | 14746563.7        |        |
| 2951254             | Continental Structural Plastics, Inc.                                         | 29/01/2014                                                    | 2951254 | 14746319.4        |        |
| 2951945             | NEC Corporation                                                               | 29/01/2014                                                    | 2951945 | 14707654.1        |        |
| 2952829             | Mitsubishi Electric Corporation                                               | 31/01/2013                                                    | 2952829 | 13873980.0        |        |
| 2952985             | Hamilton Sundstrand Corporation                                               | 29/05/2015                                                    | 2952985 | 15169796.8        |        |

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| 2953319 | Koninklijke KPN N.V.<br>IMEC vzw<br>Universiteit Gent           | 04/06/2015 | 2953319 | 15170691.8 |        |
| 2955337 | United Technologies Corporation                                 | 12/06/2015 | 2955337 | 15171819.4 |        |
| 2955508 | F.Hoffmann-La Roche AG                                          | 23/01/2014 | 2955508 | 14749616.0 |        |
| 2956099 | 3M Innovative Properties Company                                | 30/01/2014 | 2956099 | 14704261.8 |        |
| 2956242 | Dürr Systems AG                                                 | 05/02/2014 | 2956242 | 14703031.6 | German |
| 2956330 | TOYOTA JIDOSHA KABUSHIKI<br>KAISHA<br>DENSO CORPORATION         | 11/02/2014 | 2956330 | 14710632.2 |        |
| 2956797 | ATLAS ELEKTRONIK GmbH                                           | 15/01/2014 | 2956797 | 14713363.1 | German |
| 2956884 | Qualcomm Incorporated                                           | 06/02/2014 | 2956884 | 14706728.4 |        |
| 2957041 | The Boeing Company                                              | 14/01/2014 | 2957041 | 14701894.9 |        |
| 2958206 | Schneider Electric España, S.A.                                 | 10/06/2015 | 2958206 | 15171542.2 |        |
| 2958946 | Canon Kabushiki Kaisha                                          | 21/02/2014 | 2958946 | 14709763.8 |        |
| 2959132 | United Technologies Corporation                                 | 20/02/2014 | 2959132 | 14753607.2 |        |
| 2959412 | Synopsys, Inc.                                                  | 21/02/2014 | 2959412 | 14753896.1 |        |
| 2959723 | Samsung Electronics Co., Ltd.                                   | 11/12/2013 | 2959723 | 13875398.3 |        |
| 2959892 | Zeria Pharmaceutical Co., Ltd.                                  | 21/02/2014 | 2959892 | 14754975.2 |        |
| 2961212 | Samsung Electronics Co., Ltd.                                   | 31/03/2015 | 2961212 | 15161866.7 |        |
| 2961610 | Hewlett-Packard Development<br>Company, L.P.                    | 26/03/2013 | 2961610 | 13876555.7 |        |
| 2961643 | Valeo Systèmes d'Essuyage                                       | 27/02/2014 | 2961643 | 14707157.5 | French |
| 2962436 | E.V. Offshore Limited                                           | 28/02/2014 | 2962436 | 14713582.6 |        |
| 2962470 | Televic Rail NV                                                 | 28/02/2014 | 2962470 | 14707183.1 |        |
| 2962801 | Mitsubishi Heavy Industries, Ltd.                               | 22/11/2013 | 2962801 | 13876417.0 |        |
| 2964099 | Koninklijke Philips N.V.                                        | 26/02/2014 | 2964099 | 14708958.5 |        |
| 2965067 | Helmut Fischer GmbH Institut für<br>Elektronik und Messtechnik. | 27/02/2014 | 2965067 | 14707366.2 | German |
| 2965308 | Dolby Laboratories Licensing<br>Corporation                     | 13/02/2014 | 2965308 | 14759775.1 |        |
| 2965433 | Microchip Technology Incorporated                               | 06/03/2014 | 2965433 | 14714025.5 |        |
| 2965742 | 3M Innovative Properties Company                                | 08/02/2012 | 2965742 | 15175714.3 |        |
| 2966812 | NEC Corporation                                                 | 04/03/2014 | 2966812 | 14759859.3 |        |
| 2967609 | The Spectranetics Corporation                                   | 28/02/2014 | 2967609 | 14778867.3 |        |
| 2967727 | Cook Medical Technologies LLC                                   | 05/03/2014 | 2967727 | 14712477.0 |        |
| 2967860 | Neovasc Tiara Inc.                                              | 06/03/2014 | 2967860 | 14764106.2 |        |

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| 2967977 | Zeltiq Aesthetics, Inc.                                                                             | 13/03/2014 | 2967977 | 14720809.4 |        |
| 2967997 | Carl Zeiss Meditec AG                                                                               | 04/02/2014 | 2967997 | 14703324.5 | German |
| 2968401 | CareFusion 2200, Inc.                                                                               | 13/03/2014 | 2968401 | 14770089.2 |        |
| 2968548 | Beth Israel Deaconess Medical Center, Inc.                                                          | 14/03/2014 | 2968548 | 14768309.8 |        |
| 2968819 | HYTEK Medical Inc.                                                                                  | 12/03/2014 | 2968819 | 14774261.3 |        |
| 2969487 | Stratasys, Inc.                                                                                     | 14/03/2014 | 2969487 | 14769394.9 |        |
| 2969672 | Illinois Tool Works Inc.                                                                            | 17/02/2014 | 2969672 | 14707594.9 |        |
| 2969869 | HOMAG Plattenaufteiltechnik GmbH                                                                    | 17/02/2014 | 2969869 | 14704802.9 | German |
| 2970350 | The Forsyth Institute<br>Colgate-Palmolive Company                                                  | 13/03/2014 | 2970350 | 14717330.6 |        |
| 2972479 | IPG Photonics (Canada) Inc.                                                                         | 13/03/2014 | 2972479 | 14764437.1 |        |
| 2972652 | Signify Holding B.V.                                                                                | 03/03/2014 | 2972652 | 14711316.1 |        |
| 2973081 | DexCom, Inc.                                                                                        | 27/01/2014 | 2973081 | 14706156.8 |        |
| 2973083 | PerkinElmer Informatics, Inc.                                                                       | 13/02/2014 | 2973083 | 14708174.9 |        |
| 2973427 | Intel Corporation                                                                                   | 15/03/2013 | 2973427 | 13878402.0 |        |
| 2974131 | Intel Corporation                                                                                   | 13/03/2013 | 2974131 | 13878142.2 |        |
| 2974508 | Intel Corporation                                                                                   | 14/03/2013 | 2974508 | 13877832.9 |        |
| 2975833 | CANON KABUSHIKI KAISHA                                                                              | 15/07/2015 | 2975833 | 15176748.0 |        |
| 2977224 | Kabushiki Kaisha Pilot Corporation<br>(also trading as Pilot Corporation)                           | 17/03/2014 | 2977224 | 14768177.9 |        |
| 2977675 | Grote Industries, Inc.                                                                              | 06/07/2015 | 2977675 | 15175541.0 |        |
| 2979211 | Irdeto B.V.                                                                                         | 27/03/2013 | 2979211 | 13879861.6 |        |
| 2979223 | Smartcomms SC Limited                                                                               | 27/03/2014 | 2979223 | 14715088.2 |        |
| 2979330 | Siemens Aktiengesellschaft                                                                          | 15/05/2014 | 2979330 | 14725105.2 |        |
| 2979948 | Renesas Electronics Corporation                                                                     | 12/06/2015 | 2979948 | 15171886.3 |        |
| 2979950 | LEITNER S.p.A.                                                                                      | 29/07/2015 | 2979950 | 15178760.3 |        |
| 2980810 | Hitachi Metals, Ltd.                                                                                | 27/03/2014 | 2980810 | 14772811.7 |        |
| 2981166 | Dow AgroSciences LLC<br>Sangamo Therapeutics, Inc.                                                  | 02/04/2014 | 2981166 | 14778180.1 |        |
| 2981508 | Cornelsen Solutions GmbH<br>Fraunhofer-Gesellschaft zur Förderung<br>der angewandten Forschung e.V. | 03/04/2014 | 2981508 | 14717708.3 | German |
| 2982436 | Skylla Corporation Hsinchu Science<br>Park Branch                                                   | 06/11/2014 | 2982436 | 14192065.2 |        |
| 2982537 | Pioneer Corporation                                                                                 | 01/04/2013 | 2982537 | 13881056.9 |        |
| 2983004 | Funai Electric Company Ltd                                                                          | 15/07/2015 | 2983004 | 15176828.0 |        |

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| 2983249 | AutoNetworks Technologies, Ltd.<br>Sumitomo Wiring Systems, Ltd.<br>Sumitomo Electric Industries, Ltd. | 20/03/2014 | 2983249 | 14778596.8 |        |
| 2983647 | Alfasigma S.p.A.                                                                                       | 11/04/2014 | 2983647 | 14723122.9 |        |
| 2984482 | University of Maryland, Baltimore                                                                      | 11/04/2014 | 2984482 | 14783294.3 |        |
| 2985606 | Furuno Electric Co., Ltd.                                                                              | 11/03/2014 | 2985606 | 14782968.3 |        |
| 2986656 | 3M Innovative Properties Company                                                                       | 16/04/2014 | 2986656 | 14725589.7 |        |
| 2986921 | Google LLC                                                                                             | 08/04/2014 | 2986921 | 14785930.0 |        |
| 2987281 | SYSTECH CORPORATION                                                                                    | 17/04/2014 | 2987281 | 14786025.8 |        |
| 2987890 | Sandvik Intellectual Property AB                                                                       | 14/07/2015 | 2987890 | 15176643.3 |        |
| 2989453 | TDK Electronics AG                                                                                     | 09/04/2014 | 2989453 | 14716566.6 | German |
| 2990851 | Hamamatsu Photonics K.K.                                                                               | 07/03/2014 | 2990851 | 14788715.2 |        |
| 2990862 | LG Display Co., Ltd.                                                                                   | 29/07/2015 | 2990862 | 15178907.0 |        |
| 2991880 | SABIC Global Technologies B.V.                                                                         | 28/04/2014 | 2991880 | 14730631.0 |        |
| 2992186 | Nuovo Pignone S.r.l.                                                                                   | 30/04/2014 | 2992186 | 14721356.5 |        |
| 2992558 | Commissariat à l'Energie Atomique et<br>aux Energies Alternatives                                      | 18/04/2014 | 2992558 | 14718970.8 | French |
| 2996974 | Hewlett-Packard Development<br>Company, L.P.                                                           | 26/09/2014 | 2996974 | 14847907.4 |        |
| 2997458 | Citrix Systems, Inc.                                                                                   | 16/05/2014 | 2997458 | 14730379.6 |        |
| 2998072 | SSW Schmack Spezialwerkzeuge<br>GmbH & Co. KG                                                          | 04/08/2015 | 2998072 | 15002330.7 | German |
| 2998748 | Mitsubishi Electric Corporation                                                                        | 13/05/2014 | 2998748 | 14798426.4 |        |
| 2999477 | B&H Biotechnologies, LLC                                                                               | 13/03/2014 | 2999477 | 14770180.9 |        |
| 3000095 | Intel Corporation                                                                                      | 23/05/2013 | 3000095 | 13885293.4 |        |
| 3000131 | Garmin Switzerland GmbH                                                                                | 22/05/2014 | 3000131 | 14733227.4 | French |
| 3001256 | GFD Gesellschaft für Diamantprodukte<br>mbH                                                            | 23/09/2014 | 3001256 | 14185997.5 | German |
| 3001358 | National Institute of Information and<br>Communications Technology                                     | 15/05/2014 | 3001358 | 14801131.5 |        |
| 3002079 | Ceratis GmbH                                                                                           | 17/09/2015 | 3002079 | 15185631.7 | German |
| 3002290 | Allergan Sales, LLC                                                                                    | 18/06/2008 | 3002290 | 15173458.9 |        |
| 3002532 | Mitsubishi Electric Corporation                                                                        | 01/10/2015 | 3002532 | 15187842.8 |        |
| 3003309 | Infinity Pharmaceuticals, Inc.                                                                         | 30/05/2014 | 3003309 | 14804451.4 |        |
| 3004550 | Daouk, Antar                                                                                           | 06/06/2014 | 3004550 | 14742261.2 | French |
| 3007359 | Samsung Electronics Co., Ltd.                                                                          | 17/07/2015 | 3007359 | 15177276.1 |        |
| 3009339 | SRAM Deutschland GmbH                                                                                  | 09/10/2015 | 3009339 | 15002885.0 | German |

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| 3009685 | Weir Minerals Australia Ltd                                                           | 27/05/2009 | 3009685 | 15196985.4 |        |
| 3011240 | BSH Hausgeräte GmbH                                                                   | 16/06/2014 | 3011240 | 14730165.9 | German |
| 3011438 | Microsoft Technology Licensing, LLC                                                   | 05/06/2014 | 3011438 | 14740000.6 |        |
| 3012611 | Sakura Seiki Co., Ltd.<br>Sakura Finetek Japan Co., Ltd.                              | 16/05/2014 | 3012611 | 14813561.9 |        |
| 3013425 | Rutgers, the State University of New Jersey<br>Actinobac Biomed, Inc.                 | 27/06/2014 | 3013425 | 14817083.0 |        |
| 3015135 | Noxell Corporation                                                                    | 29/10/2014 | 3015135 | 14190885.5 |        |
| 3015203 | Kyocera Corporation                                                                   | 18/06/2014 | 3015203 | 14818126.6 |        |
| 3015270 | SURYS GmbH                                                                            | 31/10/2014 | 3015270 | 14191363.2 |        |
| 3016976 | CSL Behring AG                                                                        | 01/07/2014 | 3016976 | 14736713.0 |        |
| 3017050 | Isobionics B.V.                                                                       | 04/07/2014 | 3017050 | 14761704.7 |        |
| 3017496 | Robert Bosch GmbH<br>Samsung SDI Co., Ltd.                                            | 02/07/2014 | 3017496 | 14735936.8 | German |
| 3017554 | Samsung Electronics Co., Ltd.                                                         | 02/07/2014 | 3017554 | 14819476.4 |        |
| 3018421 | Miele & Cie. KG                                                                       | 21/10/2015 | 3018421 | 15190809.2 | German |
| 3018829 | Hytera Communications Corp., Ltd.                                                     | 03/07/2013 | 3018829 | 13888847.4 |        |
| 3018992 | CNH Industrial Belgium nv<br>ESM Ennepetaler Schneid- und<br>Mähtechnik GmbH & Co. KG | 08/07/2014 | 3018992 | 14739111.4 |        |
| 3018993 | CNH Industrial Belgium nv<br>ESM Ennepetaler Schneid- und<br>Mähtechnik GmbH & Co. KG | 08/07/2014 | 3018993 | 14739752.5 |        |
| 3019325 | ISP Technology AG                                                                     | 02/07/2014 | 3019325 | 14750301.5 | German |
| 3019326 | Sidel Participations                                                                  | 09/07/2014 | 3019326 | 14739114.8 | French |
| 3020094 | Panduit Corp.                                                                         | 07/07/2014 | 3020094 | 14741776.0 |        |
| 3020182 | Convida Wireless, LLC                                                                 | 10/07/2014 | 3020182 | 14747458.9 |        |
| 3020736 | Tosoh Corporation                                                                     | 07/07/2014 | 3020736 | 14823263.0 |        |
| 3020974 | Pumpenfabrik Wangen GmbH                                                              | 16/11/2015 | 3020974 | 15194702.5 | German |
| 3021536 | Huawei Technologies Co., Ltd.                                                         | 07/07/2014 | 3021536 | 14836185.0 |        |
| 3021750 | Horiba ABX SAS / Horiba Ltd                                                           | 17/07/2014 | 3021750 | 14746979.5 | French |
| 3021799 | Medi Manufacturing Inc.                                                               | 15/07/2014 | 3021799 | 14826866.7 |        |
| 3022098 | Bentley Motors Limited                                                                | 16/07/2014 | 3022098 | 14753287.3 |        |
| 3022538 | A4P Technologies S.A.                                                                 | 17/07/2014 | 3022538 | 14776718.0 |        |
| 3022979 | Sharp Kabushiki Kaisha                                                                | 01/07/2014 | 3022979 | 14826959.0 |        |
| 3023440 | Asahi Kasei Kabushiki Kaisha                                                          | 14/07/2014 | 3023440 | 14826662.0 |        |

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| 3023543 | Nippon Paper Industries Co., Ltd.                                       | 11/07/2014 | 3023543 | 14826326.2 |        |
| 3024281 | Samsung Electronics Co., Ltd.                                           | 14/07/2014 | 3024281 | 14826995.4 |        |
| 3024407 | Fraunhofer-Gesellschaft zur Förderung<br>der angewandten Forschung e.V. | 23/07/2013 | 3024407 | 13744965.8 | German |
| 3024765 | Renmatix Inc.                                                           | 26/07/2013 | 3024765 | 13889962.0 |        |
| 3025034 | Plastic Omnium Advanced Innovation<br>and Research                      | 23/07/2014 | 3025034 | 14741901.4 |        |
| 3025177 | EFFECT Photonics B.V.                                                   | 24/07/2014 | 3025177 | 14753329.3 |        |
| 3027855 | United Technologies Corporation                                         | 19/06/2014 | 3027855 | 14832509.5 |        |
| 3027979 | COLDINNOV                                                               | 08/07/2014 | 3027979 | 14748243.4 | French |
| 3028437 | Microsoft Technology Licensing, LLC                                     | 30/07/2014 | 3028437 | 14753366.5 |        |
| 3028468 | Robert Bosch GmbH                                                       | 30/07/2014 | 3028468 | 14832269.6 |        |
| 3031157 | Sony Corporation                                                        | 16/07/2014 | 3031157 | 14739461.3 |        |
| 3031943 | Nippon Steel Corporation                                                | 13/06/2014 | 3031943 | 14835078.8 |        |
| 3032253 | Agilent Technologies, Inc.                                              | 10/12/2015 | 3032253 | 15199320.1 |        |
| 3032612 | Vehicle Energy Japan Inc.<br>NISSAN MOTOR CO., LTD.                     | 17/07/2014 | 3032612 | 14833935.1 |        |
| 3033593 | GPS Tuner Systems Kft.                                                  | 07/08/2014 | 3033593 | 14780544.4 |        |
| 3033997 | Karl Storz SE & Co. KG                                                  | 18/12/2014 | 3033997 | 14198758.6 | German |
| 3034133 | Honeywell International Inc.                                            | 20/12/2014 | 3034133 | 14199523.3 |        |
| 3034254 | DUPLO SEIKO CORPORATION                                                 | 15/02/2012 | 3034254 | 15197799.8 |        |
| 3034460 | Commissariat à l'Énergie Atomique et<br>aux Énergies Alternatives       | 16/12/2015 | 3034460 | 15200572.4 | French |
| 3034582 | Samsung Electronics Co., Ltd.                                           | 15/12/2015 | 3034582 | 15200206.9 |        |
| 3034794 | United Technologies Corporation                                         | 15/12/2015 | 3034794 | 15200253.1 |        |
| 3034903 | NHK Spring Co., Ltd.                                                    | 01/07/2014 | 3034903 | 14836649.5 |        |
| 3036957 | Qualcomm Incorporated                                                   | 17/07/2014 | 3036957 | 14837949.8 |        |
| 3037494 | Storch Malerwerkzeuge & Profigeräte<br>GmbH                             | 19/11/2015 | 3037494 | 15003296.9 | German |
| 3037878 | Aselta Nanographics                                                     | 23/12/2014 | 3037878 | 14307169.4 |        |
| 3038317 | Xiaomi Inc.                                                             | 05/10/2015 | 3038317 | 15188383.2 |        |
| 3038368 | Huawei Technologies Co., Ltd.                                           | 13/09/2013 | 3038368 | 13893357.7 |        |
| 3040652 | Robert Bosch GmbH<br>Bosch Automotive Service Solutions<br>LLC          | 29/12/2015 | 3040652 | 15202971.6 |        |
| 3041703 | Robert Bosch GmbH                                                       | 03/07/2014 | 3041703 | 14734512.8 | German |

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| 3043076 | Panasonic Intellectual Property Management Co., Ltd.                                         | 14/10/2015 | 3043076 | 15189818.6 |        |
| 3043345 | Samsung Electronics Co., Ltd.                                                                | 07/01/2016 | 3043345 | 16150471.7 |        |
| 3044335 | Bio Theranostics, Inc.                                                                       | 10/09/2014 | 3044335 | 14843312.1 |        |
| 3044531 | Kelvion PHE GmbH                                                                             | 10/09/2014 | 3044531 | 14761863.1 | German |
| 3044568 | SiO2 Medical Products, Inc.                                                                  | 12/09/2014 | 3044568 | 14772541.0 |        |
| 3045629 | dormakaba Deutschland GmbH                                                                   | 14/01/2015 | 3045629 | 15151187.0 | German |
| 3047901 | König, Josef                                                                                 | 25/01/2016 | 3047901 | 16152636.3 | German |
| 3047941 | Schrempp Stahl- und Metallbau GmbH                                                           | 20/01/2016 | 3047941 | 16000126.9 | German |
| 3048086 | Nipro Corporation                                                                            | 07/04/2010 | 3048086 | 16160465.7 |        |
| 3048522 | Hewlett-Packard Development Company, L.P.                                                    | 20/01/2016 | 3048522 | 16152149.7 |        |
| 3049112 | Engen Bio, Inc.                                                                              | 21/09/2014 | 3049112 | 14845566.0 |        |
| 3049229 | Saint-Gobain Performance Plastics Corporation                                                | 26/09/2014 | 3049229 | 14849055.0 |        |
| 3049283 | Valeo Vision                                                                                 | 26/09/2014 | 3049283 | 14777568.8 | French |
| 3049811 | X-Body, Inc.                                                                                 | 22/09/2014 | 3049811 | 14845354.1 |        |
| 3050918 | LG Innotek Co., Ltd.                                                                         | 16/03/2015 | 3050918 | 15159221.9 |        |
| 3051407 | Timex Group USA, Inc.                                                                        | 25/01/2016 | 3051407 | 16152597.7 |        |
| 3052784 | United Technologies Corporation                                                              | 01/10/2014 | 3052784 | 14851160.3 |        |
| 3052929 | Environmental Monitoring And Control Limited<br>Cambridge Enterprise Limited                 | 24/07/2014 | 3052929 | 14744924.3 |        |
| 3053402 | Nokia Solutions and Networks Oy                                                              | 04/10/2013 | 3053402 | 13788681.8 |        |
| 3054857 | V.V.T. MED LTD.                                                                              | 01/10/2014 | 3054857 | 14796554.5 |        |
| 3055269 | QuantumScape Corporation                                                                     | 07/10/2014 | 3055269 | 14864783.7 |        |
| 3055924 | MARICI Holdings The Netherlands B.V.                                                         | 08/10/2014 | 3055924 | 14802148.8 |        |
| 3056068 | Digital Lumens Incorporated                                                                  | 10/10/2014 | 3056068 | 14852889.6 |        |
| 3057180 | Shenzhen SKT Electrical Technology Co., Ltd.                                                 | 11/10/2014 | 3057180 | 14852910.0 |        |
| 3058056 | Henkel AG & Co. KGaA<br>Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V. | 09/10/2014 | 3058056 | 14781571.6 | German |
| 3059146 | FERRARI S.p.A.                                                                               | 17/02/2016 | 3059146 | 16156157.6 |        |
| 3060743 | Halliburton Energy Services Inc.                                                             | 31/12/2013 | 3060743 | 13900685.2 |        |

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| 3060808 | Fresenius Medical Care Deutschland GmbH                                | 13/10/2014 | 3060808 | 14789991.8 | German |
| 3060874 | 2040422 Ontario Inc.                                                   | 23/10/2014 | 3060874 | 14856690.4 |        |
| 3061240 | InterDigital CE Patent Holdings                                        | 22/10/2014 | 3061240 | 14808855.2 |        |
| 3061605 | Daikin Industries, Ltd.                                                | 26/11/2014 | 3061605 | 14865030.2 |        |
| 3061939 | Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.                | 20/10/2014 | 3061939 | 14854912.4 |        |
| 3063558 | Commissariat à l'Énergie Atomique et aux Énergies Alternatives Trixell | 29/10/2014 | 3063558 | 14793831.0 | French |
| 3063992 | Intel IP Corporation                                                   | 29/10/2014 | 3063992 | 14858479.0 |        |
| 3064577 | Kyoto University                                                       | 31/10/2014 | 3064577 | 14857348.8 |        |
| 3065366 | Pirrwitz, Bjoern Vantaggiato, Daniele                                  | 02/03/2015 | 3065366 | 15157247.6 |        |
| 3065389 | Potucek, Florian                                                       | 06/03/2015 | 3065389 | 15157972.9 | German |
| 3065519 | Yokogawa Electric Corporation                                          | 29/09/2014 | 3065519 | 14859071.4 |        |
| 3065630 | Medial Research Ltd.                                                   | 05/11/2014 | 3065630 | 14859375.9 |        |
| 3065823 | Ward, Terry Ward, Carolyn                                              | 04/11/2014 | 3065823 | 14860875.5 |        |
| 3066268 | Vitaplus Nederland B.V.                                                | 10/11/2014 | 3066268 | 14800167.0 |        |
| 3066750 | Valeo Equipements Electriques Moteur                                   | 07/11/2014 | 3066750 | 14806033.8 | French |
| 3067097 | Foundation Fitness LLC                                                 | 07/03/2016 | 3067097 | 16159035.1 |        |
| 3068302 | Dexcom, Inc.                                                           | 12/11/2014 | 3068302 | 14803321.0 |        |
| 3068424 | Shire ViroPharma LLC                                                   | 12/11/2014 | 3068424 | 14802790.7 |        |
| 3068562 | Bayerische Motoren Werke Aktiengesellschaft                            | 29/10/2014 | 3068562 | 14790596.2 | German |
| 3069027 | Leybold GmbH                                                           | 05/11/2014 | 3069027 | 14796740.0 | German |
| 3070328 | Lee, Sang Whan                                                         | 10/11/2014 | 3070328 | 14859817.0 |        |
| 3070807 | General Electric Technology GmbH                                       | 19/03/2015 | 3070807 | 15275079.0 |        |
| 3071245 | Cosmo Technologies Ltd                                                 | 18/11/2014 | 3071245 | 14799467.7 |        |
| 3071799 | Siemens Aktiengesellschaft                                             | 28/11/2014 | 3071799 | 14808570.7 | German |
| 3071959 | Renault S.A.S.                                                         | 19/11/2014 | 3071959 | 14809496.4 | French |
| 3072330 | Vodafone IP Licensing Limited                                          | 21/11/2013 | 3072330 | 13798382.1 |        |
| 3072642 | Rolls-Royce plc                                                        | 04/03/2016 | 3072642 | 16158776.1 |        |
| 3073204 | ZTE Corporation                                                        | 19/11/2014 | 3073204 | 14864928.8 |        |

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| 3074050 | Icahn School of Medicine at Mount Sinai<br>The Rockefeller University                                                                                                                        | 28/10/2014 | 3074050 | 14857152.4 |        |
| 3075115 | Samsung Electronics Co., Ltd.                                                                                                                                                                | 25/11/2014 | 3075115 | 14863737.4 |        |
| 3075463 | Kawasaki Jukogyo Kabushiki Kaisha                                                                                                                                                            | 06/11/2014 | 3075463 | 14865183.9 |        |
| 3075696 | Otis Elevator Company                                                                                                                                                                        | 04/04/2016 | 3075696 | 16163732.7 |        |
| 3075920 | DAW SE                                                                                                                                                                                       | 24/02/2016 | 3075920 | 16157127.8 | German |
| 3076061 | Rix Corporation                                                                                                                                                                              | 24/10/2014 | 3076061 | 14865355.3 |        |
| 3076858 | Cyberonics, Inc.                                                                                                                                                                             | 05/12/2014 | 3076858 | 14824214.2 |        |
| 3077890 | Next System Vertriebsges.m.b.H.                                                                                                                                                              | 05/12/2014 | 3077890 | 14836994.5 | German |
| 3078328 | Carestream Health, Inc.                                                                                                                                                                      | 16/03/2016 | 3078328 | 16160733.8 |        |
| 3078425 | Innceinnmat, S.L.<br>Universidad Politecnica de Valencia                                                                                                                                     | 06/04/2015 | 3078425 | 15162519.1 |        |
| 3078685 | LG Chem, Ltd.                                                                                                                                                                                | 08/12/2014 | 3078685 | 14867273.6 |        |
| 3079636 | Swemac Innovation AB                                                                                                                                                                         | 10/12/2013 | 3079636 | 13898937.1 |        |
| 3079863 | Shavelogic, Inc.                                                                                                                                                                             | 11/11/2014 | 3079863 | 14870434.9 |        |
| 3081319 | Institute For Metals Superplasticity<br>Problems Of The Russian Academy Of Sciences<br>Open Joint Stock Company<br>"Aviadvigatel"<br>Joint Stock Company "UFA Engine Industrial Association" | 11/12/2014 | 3081319 | 14870491.9 |        |
| 3081362 | Enplas Corporation                                                                                                                                                                           | 03/12/2014 | 3081362 | 14869278.3 |        |
| 3081380 | Shanghai Eternal Machinery Co., Ltd.                                                                                                                                                         | 21/07/2014 | 3081380 | 14869932.5 |        |
| 3081437 | Enshu Co., Ltd.                                                                                                                                                                              | 18/12/2013 | 3081437 | 13890251.5 |        |
| 3082001 | Siemens Aktiengesellschaft                                                                                                                                                                   | 13/04/2015 | 3082001 | 15163409.4 | German |
| 3082837 | DSM IP Assets B.V.                                                                                                                                                                           | 28/11/2014 | 3082837 | 14805274.9 |        |
| 3083601 | ESTEVE PHARMACEUTICALS, S.A.                                                                                                                                                                 | 19/12/2014 | 3083601 | 14824836.2 |        |
| 3083881 | Molecular Glasses, Inc.<br>Molaire, Michel Frantz                                                                                                                                            | 22/12/2014 | 3083881 | 14872637.5 |        |
| 3084522 | Merck Patent GmbH                                                                                                                                                                            | 08/12/2014 | 3084522 | 14808647.3 |        |
| 3085226 | Industry-Academic Cooperation<br>Foundation Gyeongsang National University                                                                                                                   | 27/11/2014 | 3085226 | 14869566.1 |        |
| 3086200 | Samsung Electronics Co., Ltd.                                                                                                                                                                | 21/04/2016 | 3086200 | 16166459.4 |        |
| 3086466 | Mitsubishi Electric Corporation                                                                                                                                                              | 19/02/2015 | 3086466 | 15871302.4 |        |

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| 3088173 | Berndorf Band GmbH                                           | 26/04/2016 | 3088173 | 16166966.8 | German |
| 3088186 | Konica Minolta, Inc.                                         | 29/09/2014 | 3088186 | 14875522.6 |        |
| 3088648 | Laag S.r.l.                                                  | 09/03/2016 | 3088648 | 16159428.8 |        |
| 3088747 | Terumo Kabushiki Kaisha                                      | 18/12/2014 | 3088747 | 14874234.9 |        |
| 3089709 | Tornier, Inc.                                                | 26/12/2014 | 3089709 | 14827689.2 |        |
| 3090013 | Avery Dennison Corporation                                   | 15/12/2014 | 3090013 | 14825016.0 |        |
| 3090807 | Nifco Inc.                                                   | 22/12/2014 | 3090807 | 14875729.7 |        |
| 3091057 | Borealis AG                                                  | 07/05/2015 | 3091057 | 15166779.7 |        |
| 3091059 | tesa SE                                                      | 21/04/2016 | 3091059 | 16166493.3 | German |
| 3091155 | Quetzal Burosystem                                           | 04/05/2016 | 3091155 | 16168271.1 | French |
| 3091408 | The Boeing Company                                           | 29/04/2016 | 3091408 | 16167685.3 |        |
| 3091802 | Yang, Xuezh                                                  | 18/12/2014 | 3091802 | 14874120.0 |        |
| 3091814 | Huawei Device Co., Ltd.                                      | 29/01/2014 | 3091814 | 14880645.8 |        |
| 3091945 | Barberio, Alessandro                                         | 09/01/2015 | 3091945 | 15735253.5 |        |
| 3092045 | The Chemours Company FC, LLC                                 | 23/12/2014 | 3092045 | 14830458.7 |        |
| 3092198 | Nalco Company                                                | 31/12/2014 | 3092198 | 14878084.4 |        |
| 3092591 | Microsoft Technology Licensing, LLC                          | 17/12/2014 | 3092591 | 14825536.7 |        |
| 3092903 | Production and Innovation on Edible Coatings S.L.            | 30/12/2014 | 3092903 | 14878368.1 |        |
| 3093527 | Safran Landing Systems                                       | 11/05/2016 | 3093527 | 16169213.2 | French |
| 3093633 | InfraTec GmbH                                                | 26/04/2016 | 3093633 | 16167031.0 | German |
| 3094281 | Achaemenid, LLC                                              | 13/01/2015 | 3094281 | 15737330.9 |        |
| 3094932 | Carrier Corporation                                          | 14/01/2015 | 3094932 | 15702058.7 |        |
| 3095463 | F. Hoffmann-La Roche AG                                      | 16/09/2009 | 3095463 | 16151683.6 |        |
| 3095510 | Stefan Steverding Sondermaschinen - und Vorrichtungsbau GmbH | 18/04/2016 | 3095510 | 16165741.6 | German |
| 3096296 | Samsung Electronics Co., Ltd.                                | 13/05/2016 | 3096296 | 16169637.2 |        |
| 3096785 | Pfizer Inc.                                                  | 15/01/2015 | 3096785 | 15708580.4 |        |
| 3097389 | Micro Motion, Inc.                                           | 19/12/2014 | 3097389 | 14825065.7 |        |
| 3097601 | Aptiv Technologies Limited                                   | 21/01/2015 | 3097601 | 15702672.5 |        |
| 3098210 | United Technologies Corporation                              | 27/05/2016 | 3098210 | 16171687.3 |        |
| 3099144 | Canon Kabushiki Kaisha                                       | 24/05/2016 | 3099144 | 16001184.7 |        |
| 3099271 | Medtronic Vascular Galway                                    | 09/01/2015 | 3099271 | 15701872.2 |        |
| 3099460 | IMI Systems Ltd.                                             | 29/01/2015 | 3099460 | 15743493.7 |        |
| 3099866 | Neighbours, Gregory John                                     | 30/01/2015 | 3099866 | 15743176.8 |        |
| 3100024 | Cornell University                                           | 27/01/2015 | 3100024 | 15739947.8 |        |
| 3100206 | Mobileye Vision Technologies Ltd.                            | 30/01/2015 | 3100206 | 15703711.0 |        |

|         |                                                                                                                |            |         |            |        |
|---------|----------------------------------------------------------------------------------------------------------------|------------|---------|------------|--------|
| 3101654 | Crocus Technology                                                                                              | 05/06/2015 | 3101654 | 15290151.8 |        |
| 3102218 | Fixed Phage Limited                                                                                            | 09/02/2015 | 3102218 | 15703086.7 |        |
| 3102289 | Clarify Medical, Inc.                                                                                          | 03/02/2015 | 3102289 | 15743284.0 |        |
| 3102385 | Single Buoy Moorings, Inc.                                                                                     | 06/02/2015 | 3102385 | 15702804.4 |        |
| 3102802 | Faurecia Emissions Control Technologies, USA, LLC                                                              | 07/02/2014 | 3102802 | 14881757.0 |        |
| 3102806 | United Technologies Corporation                                                                                | 23/01/2015 | 3102806 | 15746520.4 |        |
| 3103900 | Korea Research Institute of Bioscience and Biotechnology                                                       | 06/02/2015 | 3103900 | 15746712.7 |        |
| 3104016 | Miele & Cie. KG<br>Hanning Elektro-Werke GmbH & Co. KG                                                         | 07/06/2016 | 3104016 | 16020220.6 | German |
| 3104395 | Shin-Etsu Handotai Co., Ltd.                                                                                   | 12/02/2015 | 3104395 | 15764527.6 |        |
| 3104407 | Huawei Device Co., Ltd.                                                                                        | 20/03/2014 | 3104407 | 14886216.2 |        |
| 3104608 | Samsung Electronics Co., Ltd.                                                                                  | 17/12/2014 | 3104608 | 14884782.5 |        |
| 3104786 | NeoSurgical Limited                                                                                            | 16/02/2015 | 3104786 | 15705290.3 |        |
| 3104790 | Swemac Innovation AB                                                                                           | 12/02/2014 | 3104790 | 14882359.4 |        |
| 3105061 | Electronics for Imaging, Inc.                                                                                  | 11/02/2015 | 3105061 | 15749664.7 |        |
| 3106034 | Uniwersytet Humanistyczno-Przyrodniczy im. Jana Długosza w Czeszochowie                                        | 30/07/2015 | 3106034 | 15460035.7 |        |
| 3106635 | MAN Truck & Bus SE                                                                                             | 20/05/2016 | 3106635 | 16001155.7 | German |
| 3107288 | LG Electronics Inc.                                                                                            | 10/02/2015 | 3107288 | 15746748.1 |        |
| 3107305 | iPEK International GmbH                                                                                        | 10/06/2016 | 3107305 | 16174079.0 | German |
| 3107926 | Vibrant Holdings, LLC                                                                                          | 23/02/2015 | 3107926 | 15751793.9 |        |
| 3108043 | Crytur                                                                                                         | 18/03/2015 | 3108043 | 15727562.9 |        |
| 3108570 | Samsung Electronics Co., Ltd.                                                                                  | 17/02/2015 | 3108570 | 15751748.3 |        |
| 3108919 | Fisher & Paykel Healthcare Limited                                                                             | 05/12/2003 | 3108919 | 16170894.6 |        |
| 3109573 | Emerson Climate Technologies GmbH                                                                              | 24/06/2015 | 3109573 | 15173519.8 |        |
| 3109687 | COMMISSARIAT À L'ÉNERGIE ATOMIQUE ET AUX ÉNERGIES ALTERNATIVES<br>Centre National de la Recherche Scientifique | 22/06/2016 | 3109687 | 16305758.1 | French |
| 3109744 | Sony Corporation                                                                                               | 25/12/2014 | 3109744 | 14882561.5 |        |
| 3110264 | Philip Morris Products S.A.                                                                                    | 18/12/2014 | 3110264 | 14820847.3 |        |
| 3110280 | SEB S.A.                                                                                                       | 24/02/2015 | 3110280 | 15711251.7 | French |

|         |                                                         |            |         |            |        |
|---------|---------------------------------------------------------|------------|---------|------------|--------|
| 3110448 | The Board of Regents of The University of Texas System  | 26/02/2015 | 3110448 | 15755844.6 |        |
| 3110655 | Bombardier Primove GmbH                                 | 27/02/2015 | 3110655 | 15706814.9 |        |
| 3110853 | The Chemours Company FC, LLC                            | 24/02/2015 | 3110853 | 15708086.2 |        |
| 3111287 | Emerson Process Management Regulator Technologies, Inc. | 25/02/2015 | 3111287 | 15709023.4 |        |
| 3111588 | Tyco Fire & Security GmbH                               | 24/02/2015 | 3111588 | 15754691.2 |        |
| 3111601 | Genesis Technical Systems Corp.                         | 28/02/2014 | 3111601 | 14883855.0 |        |
| 3112255 | The Boeing Company                                      | 30/06/2016 | 3112255 | 16177326.2 |        |
| 3112627 | United Technologies Corporation                         | 22/06/2016 | 3112627 | 16175830.5 |        |
| 3113772 | Biocryst Pharmaceuticals, Inc.                          | 09/03/2015 | 3113772 | 15759254.4 |        |
| 3114692 | Brilliant Light Power, Inc.                             | 01/04/2014 | 3114692 | 14729509.1 |        |
| 3115171 | KraussMaffei Technologies GmbH                          | 20/06/2016 | 3115171 | 16175201.9 | German |
| 3115222 | Giesecke+Devrient Mobile Security GmbH                  | 01/07/2016 | 3115222 | 16001472.6 | German |
| 3115253 | Robert Bosch GmbH                                       | 04/07/2016 | 3115253 | 16177680.2 | German |
| 3115449 | IVTech S.r.l.                                           | 07/07/2016 | 3115449 | 16178341.0 |        |
| 3116167 | Siemens Schweiz AG                                      | 20/06/2016 | 3116167 | 16175168.0 | German |
| 3116197 | Volkswagen Aktiengesellschaft                           | 10/07/2015 | 3116197 | 15176247.3 |        |
| 3117066 | Halliburton Energy Services, Inc.                       | 16/06/2014 | 3117066 | 14895483.7 |        |
| 3117173 | Valeo Systèmes Thermiques                               | 04/03/2015 | 3117173 | 15708796.6 | French |
| 3117221 | Genapsys Inc.                                           | 12/03/2015 | 3117221 | 15761225.0 |        |
| 3117293 | TOYOTA JIDOSHA KABUSHIKI KAISHA                         | 06/03/2015 | 3117293 | 15724751.1 |        |
| 3117360 | Bundesdruckerei GmbH                                    | 06/03/2015 | 3117360 | 15708815.4 | German |
| 3117885 | AUTEL S.r.l.                                            | 31/05/2016 | 3117885 | 16172255.8 |        |
| 3117949 | Mitsubishi Heavy Industries, Ltd.                       | 26/01/2015 | 3117949 | 15773699.2 |        |
| 3117957 | Brevetti Montolit S.P.A.                                | 14/07/2016 | 3117957 | 16179401.1 |        |
| 3118080 | CRRC Tangshan Co., Ltd.                                 | 05/11/2014 | 3118080 | 14885656.0 |        |
| 3118293 | The Procter & Gamble Company                            | 13/07/2015 | 3118293 | 15176533.6 |        |
| 3118950 | FURUKAWA ELECTRIC CO., LTD.                             | 11/03/2015 | 3118950 | 15761533.7 |        |
| 3119620 | Renault S.A.S.                                          | 09/02/2015 | 3119620 | 15709528.2 | French |
| 3119698 | Coolsan Hygiene Solutions Pty Ltd.                      | 18/03/2015 | 3119698 | 15765579.6 |        |
| 3119703 | Ocado Innovation Limited                                | 18/03/2015 | 3119703 | 15714773.7 |        |
| 3120333 | Mastercard International, Inc.                          | 02/03/2015 | 3120333 | 15707765.2 |        |
| 3120596 | Samsung Electronics Co., Ltd.                           | 20/03/2015 | 3120596 | 15764432.9 |        |

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|---------|------------------------------------------------------------------------------------------|------------|---------|------------|--------|
| 3120710 | FIRMA PRODUKCYJNO-<br>HANDLOWA "PAULA" Spolka z<br>ograniczona odpowiedzialnoscia Spolka | 14/07/2016 | 3120710 | 16179427.6 |        |
| 3120965 | The Boeing Company                                                                       | 01/10/2014 | 3120965 | 16181539.4 |        |
| 3121046 | Aleees Eco Ark (Cayman) Co., Ltd.                                                        | 20/03/2015 | 3121046 | 15764713.2 |        |
| 3121368 | Resman AS                                                                                | 10/07/2009 | 3121368 | 16171198.1 |        |
| 3122854 | The Procter & Gamble Company                                                             | 25/03/2015 | 3122854 | 15767696.6 |        |
| 3122905 | Yale University                                                                          | 27/03/2015 | 3122905 | 15769372.2 |        |
| 3123129 | LMT Lichtmesstechnik GmbH Berlin                                                         | 11/03/2015 | 3123129 | 15717100.0 | German |
| 3124450 | Vitro Flat Glass LLC                                                                     | 29/03/2011 | 3124450 | 16189418.3 |        |
| 3124570 | Fujimi Incorporated                                                                      | 30/01/2015 | 3124570 | 15769785.5 |        |
| 3124682 | ELECTROLUX APPLIANCES<br>AKTIEBOLAG                                                      | 27/07/2015 | 3124682 | 15178411.3 |        |
| 3124788 | Hitachi, Ltd.                                                                            | 26/07/2016 | 3124788 | 16181307.6 |        |
| 3125235 | Conduent Business Services, LLC                                                          | 22/07/2016 | 3125235 | 16180842.3 |        |
| 3125419 | Hitachi, Ltd.                                                                            | 27/03/2014 | 3125419 | 14886893.8 |        |
| 3125777 | Evalve, Inc.                                                                             | 17/03/2015 | 3125777 | 15715889.0 |        |
| 3125809 | Intuitive Surgical Operations, Inc.                                                      | 28/03/2015 | 3125809 | 15770259.8 |        |
| 3125894 | Merck Sharp & Dohme Corp.                                                                | 27/03/2015 | 3125894 | 15774282.6 |        |
| 3126119 | Reepack S.r.l.                                                                           | 26/03/2015 | 3126119 | 15718620.6 |        |
| 3126451 | Howard Hughes Medical Institute                                                          | 01/04/2015 | 3126451 | 15774408.7 |        |
| 3126786 | Smart and Blue                                                                           | 27/03/2015 | 3126786 | 15713862.9 | French |
| 3127135 | Corning Incorporated                                                                     | 27/03/2015 | 3127135 | 15716644.8 |        |
| 3127316 | British Telecommunications public<br>limited company                                     | 31/03/2015 | 3127316 | 15715376.8 |        |
| 3127854 | Manitowoc Crane Companies, LLC                                                           | 27/07/2016 | 3127854 | 16181455.3 |        |
| 3128241 | Samsung Electronics Co., Ltd.                                                            | 23/03/2015 | 3128241 | 15772929.4 |        |
| 3128669 | Fuji Electric Co., Ltd.                                                                  | 31/03/2015 | 3128669 | 15772913.8 |        |
| 3128836 | Tevosol, Inc.                                                                            | 10/04/2015 | 3128836 | 15775970.5 |        |
| 3129220 | The Boeing Company                                                                       | 12/01/2015 | 3129220 | 15705109.5 |        |
| 3129590 | Halliburton Energy Services, Inc.                                                        | 23/04/2015 | 3129590 | 15786193.1 |        |
| 3129870 | Tencent Technology (Shenzhen)<br>Company Limited                                         | 19/06/2015 | 3129870 | 15808857.5 |        |
| 3131595 | TC1 LLC                                                                                  | 15/04/2015 | 3131595 | 15779178.1 |        |
| 3131886 | Exonate Limited                                                                          | 17/04/2015 | 3131886 | 15718262.7 |        |
| 3132120 | Halliburton Energy Services, Inc.                                                        | 07/07/2014 | 3132120 | 14897305.0 |        |
| 3132123 | SAFRAN AIRCRAFT ENGINES                                                                  | 14/04/2015 | 3132123 | 15720387.8 | French |

|         |                                                                                                                                                                                            |            |         |            |        |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------|------------|--------|
| 3132573 | Huawei Technologies Co. Ltd.                                                                                                                                                               | 23/04/2015 | 3132573 | 15783933.3 |        |
| 3134011 | Fusion Implants Limited                                                                                                                                                                    | 27/04/2015 | 3134011 | 15719280.8 |        |
| 3134093 | The Regents of the University of California                                                                                                                                                | 23/04/2015 | 3134093 | 15783308.8 |        |
| 3134148 | Becton, Dickinson and Company                                                                                                                                                              | 23/04/2015 | 3134148 | 15782447.5 |        |
| 3134829 | Google LLC                                                                                                                                                                                 | 13/04/2015 | 3134829 | 15771739.8 |        |
| 3135269 | Hass Co., Ltd.                                                                                                                                                                             | 19/05/2016 | 3135269 | 16170289.9 |        |
| 3136124 | AUDI AG                                                                                                                                                                                    | 15/07/2016 | 3136124 | 16179733.7 | German |
| 3136281 | NCR Corporation                                                                                                                                                                            | 20/07/2016 | 3136281 | 16180355.6 |        |
| 3136418 | COMMISSARIAT À L'ÉNERGIE ATOMIQUE ET AUX ÉNERGIES ALTERNATIVES                                                                                                                             | 19/07/2016 | 3136418 | 16180059.4 | French |
| 3137029 | KCI Licensing, Inc.                                                                                                                                                                        | 04/05/2015 | 3137029 | 15725449.1 |        |
| 3137057 | Sun Pharmaceutical Industries Ltd                                                                                                                                                          | 01/05/2015 | 3137057 | 15786475.2 |        |
| 3137306 | Loft Crag Limited                                                                                                                                                                          | 01/05/2015 | 3137306 | 15734307.0 |        |
| 3137741 | SAFRAN AIRCRAFT ENGINES                                                                                                                                                                    | 27/04/2015 | 3137741 | 15725807.0 | French |
| 3138196 | Kandou Labs S.A.                                                                                                                                                                           | 24/06/2015 | 3138196 | 15811965.1 |        |
| 3138262 | Huawei Technologies Co. Ltd.                                                                                                                                                               | 28/04/2015 | 3138262 | 15785221.1 |        |
| 3138332 | MediaTek Singapore Pte. Ltd.                                                                                                                                                               | 27/05/2015 | 3138332 | 15799296.7 |        |
| 3138930 | IHI Machinery and Furnace Co., Ltd. IHI Corporation                                                                                                                                        | 10/07/2015 | 3138930 | 15825220.5 |        |
| 3139951 | Vyzkumny ústav veterinárního lékařství, v.v.i.<br>Univerzita Palackého v Olomouci<br>Bioveta, A.S.<br>Ustav organicke chemie a biochemie<br>AV CR, v.v.i.<br>Fyzikální ústav AV CR, v.v.i. | 11/05/2015 | 3139951 | 15727869.8 |        |
| 3140630 | OptaSense Holdings Limited                                                                                                                                                                 | 08/05/2015 | 3140630 | 15722750.5 |        |
| 3140806 | Citifyd, Inc.                                                                                                                                                                              | 11/05/2015 | 3140806 | 15789646.5 |        |
| 3140976 | Saudi Arabian Oil Company                                                                                                                                                                  | 08/05/2015 | 3140976 | 15724457.5 |        |
| 3141052 | Telefonaktiebolaget LM Ericsson (publ)                                                                                                                                                     | 28/10/2014 | 3141052 | 14799905.6 |        |
| 3141083 | Washington State University                                                                                                                                                                | 06/05/2015 | 3141083 | 15789133.4 |        |
| 3141431 | Huf Hülsbeck & Fürst GmbH & Co. KG                                                                                                                                                         | 16/07/2010 | 3141431 | 16178047.3 | German |
| 3141672 | Ki, Eun Kwan                                                                                                                                                                               | 07/05/2015 | 3141672 | 15789430.4 |        |

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|---------|---------------------------------------------------------------------------------------------|------------|---------|------------|--------|
| 3143175 | Radon, Roman                                                                                | 15/05/2015 | 3143175 | 15792663.5 |        |
|         | Radon, Raphael                                                                              |            |         |            |        |
| 3143429 | Iltis, Alain                                                                                | 18/05/2015 | 3143429 | 15727703.9 | French |
| 3143611 | Heart Sound Italy S.r.l.                                                                    | 12/05/2015 | 3143611 | 15732355.1 |        |
| 3144209 | Technovation Partners Co., Ltd.                                                             | 15/05/2015 | 3144209 | 15792609.8 |        |
| 3145090 | China Academy of Telecommunications Technology                                              | 14/05/2015 | 3145090 | 15792998.5 |        |
| 3145350 | Nuryan Holdings Limited                                                                     | 21/05/2015 | 3145350 | 15795447.0 |        |
| 3145408 | Cryos Technologies Inc.                                                                     | 20/05/2015 | 3145408 | 15796317.4 |        |
| 3145893 | Halliburton Energy Services, Inc.                                                           | 30/09/2014 | 3145893 | 14902962.1 |        |
| 3146431 | Siemens Healthcare Diagnostics Inc.                                                         | 19/05/2015 | 3146431 | 15796024.6 |        |
| 3146501 | The Regents of the University of California                                                 | 19/05/2015 | 3146501 | 15796572.4 |        |
| 3146532 | Schwering & Hasse Elektrodraht GmbH                                                         | 31/10/2014 | 3146532 | 14792522.6 | German |
| 3146593 | Université De Nice Sophia Antipolis Centre National de la Recherche Scientifique (C.N.R.S.) | 19/05/2015 | 3146593 | 15723030.1 | French |
| 3147076 | Aliaxis Deutschland GmbH                                                                    | 28/07/2016 | 3147076 | 16181750.7 | German |
| 3147276 | Tianhua Institute of Chemical Machinery and Automation Co., Ltd.                            | 11/02/2015 | 3147276 | 15796649.0 |        |
| 3147724 | Kyocera Document Solutions Inc.                                                             | 14/05/2015 | 3147724 | 15795884.4 |        |
| 3147942 | MediaTek Inc.                                                                               | 22/06/2016 | 3147942 | 16175721.6 |        |
| 3148236 | Argus Cyber Security Ltd.                                                                   | 23/09/2016 | 3148236 | 16190340.6 |        |
| 3148747 | Novastep                                                                                    | 28/05/2015 | 3148747 | 15732323.9 | French |
| 3149006 | ESTEVE PHARMACEUTICALS, S.A.                                                                | 02/06/2015 | 3149006 | 15725236.2 |        |
| 3149322 | Wärtsilä Finland Oy                                                                         | 21/05/2015 | 3149322 | 15726658.6 |        |
| 3149856 | Micro Motion, Inc.                                                                          | 29/05/2014 | 3149856 | 14735009.4 |        |
| 3152566 | The Regents of the University of California                                                 | 03/06/2015 | 3152566 | 15802476.0 |        |
| 3153598 | Nippon Steel Corporation                                                                    | 13/07/2015 | 3153598 | 15821845.3 |        |
| 3154183 | Johnson Controls Technology Company                                                         | 24/02/2011 | 3154183 | 16194425.1 |        |
| 3154326 | FUJI Corporation                                                                            | 03/06/2014 | 3154326 | 14894058.8 |        |
| 3154620 | Koninklijke Philips N.V.                                                                    | 12/06/2015 | 3154620 | 15806028.5 |        |
| 3155050 | Opes Corporation OY                                                                         | 06/06/2014 | 3155050 | 14893911.9 |        |
| 3155287 | thyssenkrupp AG Thyssenkrupp Federn und Stabilisatoren GmbH                                 | 14/04/2015 | 3155287 | 15717847.6 | German |

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|---------|----------------------------------------|------------|---------|------------|--------|
| 3155859 | Qualcomm Incorporated                  | 12/06/2015 | 3155859 | 15732136.5 |        |
| 3156571 | OMEC Serrature S.P.A.                  | 07/10/2016 | 3156571 | 16192806.4 |        |
| 3156811 | Vitesco Technologies GmbH              | 15/10/2015 | 3156811 | 15465551.8 |        |
| 3157741 | Continental Reifen Deutschland GmbH    | 14/04/2015 | 3157741 | 15718822.8 | German |
| 3158198 | Sterling Industry Consult GmbH         | 16/06/2015 | 3158198 | 15729826.6 | German |
| 3158275 | LG Electronics Inc.                    | 18/06/2015 | 3158275 | 15810476.0 |        |
| 3158342 | Life Technologies Corporation          | 16/06/2015 | 3158342 | 15738170.8 |        |
| 3158622 | LG Electronics Inc.                    | 18/06/2015 | 3158622 | 15809027.4 |        |
| 3158806 | Telefonaktiebolaget LM Ericsson (publ) | 17/06/2014 | 3158806 | 14730898.5 |        |
| 3158828 | Telefonaktiebolaget LM Ericsson (publ) | 17/06/2014 | 3158828 | 14895028.0 |        |
| 3159314 | Lorch, Roland                          | 21/10/2016 | 3159314 | 16195169.4 | German |
|         | Schaible, Jürgen                       |            |         |            |        |
| 3159354 | National University Corporation        | 22/06/2015 | 3159354 | 15811420.7 |        |
|         | Nagoya University                      |            |         |            |        |
|         | Toagosei Co., Ltd.                     |            |         |            |        |
|         | Keio University                        |            |         |            |        |
| 3159583 | Eagle Industry Co., Ltd.               | 03/10/2013 | 3159583 | 16186342.8 |        |
| 3160480 | TiGenix, S.A.U.                        | 30/06/2015 | 3160480 | 15742101.7 |        |
| 3160481 | TiGenix, S.A.U.                        | 30/06/2015 | 3160481 | 15742102.5 |        |
| 3160622 | Veolia Water Solutions & Technologies  | 23/06/2015 | 3160622 | 15759494.6 | French |
|         | Support                                |            |         |            |        |
| 3161202 | Electrolux Appliances Aktiebolag       | 24/06/2014 | 3161202 | 14732555.9 |        |
| 3162341 | Unicharm Corporation                   | 11/06/2015 | 3162341 | 15815784.2 |        |
| 3162524 | The Yokohama Rubber Co., Ltd.          | 24/06/2015 | 3162524 | 15812735.7 |        |
| 3162606 | Deere & Company                        | 17/03/2016 | 3162606 | 16160944.1 | German |
| 3163218 | Yanmar Co., Ltd.                       | 18/05/2015 | 3163218 | 15811007.2 |        |
| 3163219 | Yanmar Co., Ltd.                       | 15/05/2015 | 3163219 | 15811419.9 |        |
| 3163470 | Sony Corporation                       | 17/03/2015 | 3163470 | 15811830.7 |        |
| 3163909 | Shenzhen Voxtech Co., Ltd              | 13/12/2012 | 3163909 | 16203232.0 |        |
| 3163925 | NXP B.V.                               | 16/12/2015 | 3163925 | 15200543.5 |        |
| 3163964 | Sony Corporation                       | 30/06/2015 | 3163964 | 15814048.3 |        |
| 3164114 | CSPC Zhongqi Pharmaceutical            | 03/07/2015 | 3164114 | 15815596.0 |        |
|         | Technology (Shijiazhuang) Co., Ltd.    |            |         |            |        |
| 3164197 | Laboratoires Expanscience              | 03/07/2015 | 3164197 | 15733764.3 | French |
| 3164493 | Université Libre de Bruxelles          | 06/07/2015 | 3164493 | 15744489.4 |        |
| 3164744 | Bergische Universität Wuppertal        | 02/07/2014 | 3164744 | 14746949.8 |        |
| 3165024 | Intel IP Corporation                   | 09/06/2015 | 3165024 | 15815552.3 |        |

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| 3165040             | Samsung Electronics Co., Ltd.                                     | 06/07/2015                                                    | 3165040 | 15814336.2        | German |
| 3165141             | TIF GmbH                                                          | 19/10/2016                                                    | 3165141 | 16194571.2        |        |
| 3165541             | Rhombic Corporation<br>FUJIFILM Wako Pure Chemical<br>Corporation | 01/07/2015                                                    | 3165541 | 15814405.5        |        |
| 3165640             | Saurer Technologies GmbH & Co. KG                                 | 28/10/2016                                                    | 3165640 | 16196200.6        | German |
| 3165679             | Dyflex Corporation                                                | 06/07/2015                                                    | 3165679 | 15814609.2        |        |
| 3165726             | Unick Corporation                                                 | 29/06/2015                                                    | 3165726 | 15814592.0        |        |
| 3165784             | Samsung Electronics Co., Ltd.                                     | 04/11/2016                                                    | 3165784 | 16197231.0        |        |
| 3166585             | BASF SE                                                           | 01/07/2015                                                    | 3166585 | 15731981.5        |        |
| 3166965             | Benson Hill, Inc.                                                 | 08/07/2015                                                    | 3166965 | 15739154.1        |        |
| 3166995             | Sika Technology AG                                                | 09/07/2015                                                    | 3166995 | 15736259.1        |        |
| 3167075             | Vetgenomics, S.L.                                                 | 09/07/2015                                                    | 3167075 | 15736255.9        |        |
| 3167577             | Nokia Solutions and Networks Oy                                   | 08/07/2014                                                    | 3167577 | 14739102.3        |        |
| 3167717             | Seipasa S.A.                                                      | 30/06/2015                                                    | 3167717 | 15818573.6        |        |
| 3168296             | SBI Pharmaceuticals Co., Ltd.<br>Yamagata University              | 10/07/2015                                                    | 3168296 | 15818957.1        |        |
| 3168716             | Wacom Co., Ltd.                                                   | 08/07/2014                                                    | 3168716 | 14897238.3        |        |
| 3168995             | Hitachi, Ltd.                                                     | 09/07/2014                                                    | 3168995 | 14897203.7        |        |
| 3169148             | Cudmore, Colin<br>Grant, Joel, Bauchat                            | 09/07/2015                                                    | 3169148 | 15822114.3        |        |
| 3169322             | BERLIN-CHEMIE Aktiengesellschaft                                  | 17/07/2015                                                    | 3169322 | 15754018.8        |        |
| 3169589             | Fraport AG Frankfurt Airport Services<br>Worldwide                | 17/04/2015                                                    | 3169589 | 15719641.1        | German |
| 3170238             | 3M Innovative Properties Company                                  | 14/07/2015                                                    | 3170238 | 15822215.8        |        |
| 3170373             | Signify Holding B.V.                                              | 08/07/2015                                                    | 3170373 | 15734685.9        |        |
| 3170593             | General Electric Company                                          | 18/11/2016                                                    | 3170593 | 16199484.3        |        |
| 3170657             | 3M Innovative Properties Company                                  | 19/11/2015                                                    | 3170657 | 15195400.5        |        |
| 3170676             | Toppan Printing Co., Ltd.                                         | 14/07/2015                                                    | 3170676 | 15821806.5        |        |
| 3170716             | Hitachi, Ltd.                                                     | 18/07/2014                                                    | 3170716 | 14897767.1        |        |
| 3170792             | Thin Film Electronics ASA                                         | 14/07/2015                                                    | 3170792 | 15821599.6        |        |
| 3171159             | Servomex Group Limited                                            | 17/11/2016                                                    | 3171159 | 16199293.8        |        |
| 3171207             | Google LLC                                                        | 21/11/2016                                                    | 3171207 | 16199714.3        |        |
| 3171585             | Maxell, Ltd.                                                      | 09/07/2008                                                    | 3171585 | 16201316.3        |        |
| 3171700             | SPX Flow Technology Danmark A/S                                   | 26/05/2015                                                    | 3171700 | 15824487.1        |        |
| 3172040             | Canon Kabushiki Kaisha                                            | 17/07/2015                                                    | 3172040 | 15825243.7        |        |
| 3172177             | SAINT-GOBAIN WEBER                                                | 07/07/2015                                                    | 3172177 | 15759839.2        |        |

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|---------|----------------------------------------------------------------|------------|---------|------------|--------|
| 3172345 | Voestalpine Stahl GmbH                                         | 21/07/2015 | 3172345 | 15749735.5 | German |
| 3172594 | Ioffe Physical Technical Institute<br>Koninklijke Philips N.V. | 10/07/2015 | 3172594 | 15736264.1 |        |
| 3172823 | Rheinisch-Westfälische Technische<br>Hochschule Aachen         | 22/07/2015 | 3172823 | 15756114.3 | German |
| 3172913 | Nokia Solutions and Networks Oy                                | 25/07/2014 | 3172913 | 14744102.6 |        |
| 3173068 | University of Miami                                            | 02/05/2007 | 3173068 | 16002752.0 |        |
| 3173488 | Panagene Inc.                                                  | 23/07/2015 | 3173488 | 15824842.7 |        |
| 3174639 | Schneider, Hartmut J.                                          | 23/07/2015 | 3174639 | 15752936.3 | German |
| 3174952 | Lumileds Holding B.V.                                          | 24/07/2015 | 3174952 | 15739641.7 |        |
| 3175160 | GWF MessSysteme AG                                             | 29/07/2015 | 3175160 | 15750287.3 | German |
| 3175367 | Nok Nok Labs, Inc.                                             | 30/07/2015 | 3175367 | 15828152.7 |        |
| 3175564 | Qualcomm Incorporated                                          | 27/07/2015 | 3175564 | 15745128.7 |        |
| 3175937 | Honda Motor Company Limited                                    | 01/12/2016 | 3175937 | 16201685.1 |        |
| 3175959 | Kai R & D Center Co., Ltd.                                     | 29/07/2015 | 3175959 | 15827040.5 |        |
| 3176188 | LG Chem, Ltd.                                                  | 15/12/2015 | 3176188 | 15870287.8 |        |
| 3176305 | Miele & Cie. KG                                                | 29/01/2014 | 3176305 | 16205813.5 | German |
| 3176562 | Kokusai Keisokuki Kabushiki Kaisha                             | 30/07/2015 | 3176562 | 15828122.0 |        |
| 3176655 | Safran Landing Systems<br>Safran Helicopter Engines            | 30/11/2016 | 3176655 | 16201546.5 | French |
| 3176664 | Yokogawa Electric Corporation                                  | 29/11/2016 | 3176664 | 16201202.5 |        |
| 3177122 | Valeo Systemes de Controle Moteur                              | 29/11/2016 | 3177122 | 16201060.7 | French |
| 3178203 | Robert Bosch GmbH                                              | 14/07/2015 | 3178203 | 15739237.4 | German |
| 3178583 | Robert Bosch GmbH                                              | 18/11/2016 | 3178583 | 16199456.1 | German |
| 3179000 | Abunameh, Hani A.<br>Mango, Mutaz O.                           | 23/11/2016 | 3179000 | 16200187.9 |        |
| 3179450 | Siemens Healthcare GmbH                                        | 12/04/2016 | 3179450 | 16164861.3 | German |
| 3179452 | Digicon S.A. Controle Eletrônico para<br>Mecânica              | 20/08/2014 | 3179452 | 14875884.0 |        |
| 3180131 | Hydac Process Technology GmbH                                  | 18/07/2015 | 3180131 | 15744879.6 | German |
| 3180856 | Syntropy Systems, LLC                                          | 29/07/2015 | 3180856 | 15832458.2 |        |
| 3181910 | Andreas Stihl AG & Co. KG                                      | 07/12/2016 | 3181910 | 16002600.1 | German |
| 3182142 | Bombardier Transportation GmbH                                 | 15/12/2016 | 3182142 | 16204450.7 | German |
| 3182649 | Wipro Limited                                                  | 11/03/2016 | 3182649 | 16160020.0 |        |
| 3183934 | Qualcomm Incorporated                                          | 07/07/2015 | 3183934 | 15739725.8 |        |

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|---------|-------------------------------------------------------------------|------------|---------|------------|--------|
| 3183988 | "DURABLE" HUNKE & JOCHHEIM<br>GMBH & CO.<br>KOMMANDITGESELLSCHAFT | 12/12/2016 | 3183988 | 16203451.6 | German |
| 3184313 | Schiestl, Angelo                                                  | 23/12/2015 | 3184313 | 15202440.2 | German |
| 3187089 | LG ELECTRONICS INC.                                               | 03/01/2017 | 3187089 | 17150189.3 |        |
| 3187090 | LG Electronics Inc.                                               | 03/01/2017 | 3187090 | 17150191.9 |        |
| 3187128 | Ethicon LLC                                                       | 30/12/2016 | 3187128 | 16207604.6 |        |
| 3187251 | Industrial Technology Research<br>Institute                       | 30/05/2016 | 3187251 | 16172017.2 |        |
| 3187702 | ANSALDO ENERGIA S.p.A.                                            | 28/12/2016 | 3187702 | 16207193.0 |        |
| 3188492 | ZTE Corporation                                                   | 08/06/2015 | 3188492 | 15841904.4 |        |
| 3190137 | Arkema France                                                     | 23/09/2011 | 3190137 | 17158718.1 | French |
| 3190434 | Tsinghua University<br>Nuctech Company Limited                    | 24/07/2015 | 3190434 | 15837948.7 |        |
| 3191335 | Valeo Systemes Thermiques                                         | 24/07/2015 | 3191335 | 15742026.6 | French |
| 3191647 | Simex Engineering S.r.l.                                          | 10/09/2015 | 3191647 | 15774520.9 |        |
| 3191744 | Trelleborg Sealing Solutions U.S., Inc.                           | 11/09/2015 | 3191744 | 15840876.5 |        |
| 3192139 | Robert Bosch GmbH                                                 | 02/07/2015 | 3192139 | 15733751.0 | German |
| 3192186 | Inmarsat Global Limited                                           | 14/09/2015 | 3192186 | 15784411.9 |        |
| 3193236 | Imagination Technologies Limited                                  | 17/01/2017 | 3193236 | 17151889.7 |        |
| 3193887 | Professional Compounding Centers Of<br>America, Ltd.              | 20/08/2015 | 3193887 | 15834236.0 |        |
| 3194096 | Oerlikon Metco (US) Inc.                                          | 18/09/2014 | 3194096 | 14901897.0 |        |
| 3195006 | Valeo Schalter und Sensoren GmbH                                  | 24/08/2015 | 3195006 | 15753377.9 | German |
| 3195258 | Volume Graphics GmbH                                              | 17/09/2015 | 3195258 | 15778622.9 | German |
| 3195611 | 3M Innovative Properties Company                                  | 16/09/2015 | 3195611 | 15771393.4 |        |
| 3195737 | Shenzhen First Union Technology Co.,<br>Ltd.                      | 17/01/2017 | 3195737 | 17151726.1 |        |
| 3196342 | HUVIS Co., Ltd.                                                   | 06/08/2015 | 3196342 | 15830750.4 |        |
| 3196560 | Mitsubishi Electric Corporation                                   | 09/09/2014 | 3196560 | 14901479.7 |        |
| 3197554 | Koninklijke Philips N.V.                                          | 25/09/2015 | 3197554 | 15778048.7 |        |
| 3197933 | Hexcel Composites Limited                                         | 21/09/2015 | 3197933 | 15771888.3 |        |
| 3198002 | Université de Bourgogne<br>INRA<br>INSERM                         | 21/09/2015 | 3198002 | 15766181.0 | French |
| 3198250 | Robert Bosch GmbH                                                 | 24/07/2015 | 3198250 | 15738949.5 | German |
| 3198279 | MAP IP HOLDING LIMITED                                            | 24/09/2015 | 3198279 | 15775481.3 |        |

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|---------|------------------------------------------------------------|------------|---------|------------|--------|
| 3198935 | Telefonaktiebolaget LM Ericsson (publ)                     | 16/09/2015 | 3198935 | 15771285.2 |        |
| 3199106 | Siemens Healthcare GmbH                                    | 26/04/2017 | 3199106 | 17168227.1 | German |
| 3199956 | General Electric Technology GmbH                           | 28/01/2016 | 3199956 | 16275014.5 |        |
| 3200398 | Extreme Networks, Inc                                      | 27/01/2017 | 3200398 | 17153578.4 |        |
| 3200671 | Interscope, Inc.                                           | 29/09/2015 | 3200671 | 15778839.9 |        |
| 3200830 | University of Massachusetts                                | 02/10/2015 | 3200830 | 15845666.5 |        |
| 3200966 | Plastic Omnium Advanced Innovation<br>and Research         | 29/09/2015 | 3200966 | 15771108.6 |        |
| 3201229 | VIB VZW<br>Universiteit Gent                               | 29/09/2015 | 3201229 | 15770951.0 |        |
| 3201477 | Edo MBM Technology Limited                                 | 29/09/2015 | 3201477 | 15782001.0 |        |
| 3201957 | Crocus Technology S.A.                                     | 24/09/2015 | 3201957 | 15774554.8 |        |
| 3202239 | Rosemount Inc.                                             | 30/09/2015 | 3202239 | 15847153.2 |        |
| 3202617 | Adient Luxembourg Holding S.à r.l.                         | 28/07/2014 | 3202617 | 14898570.8 |        |
| 3203941 | Pedoulas, Panagiotis<br>McDonald, Matthew, James           | 09/10/2015 | 3203941 | 15849787.5 |        |
| 3204189 | 3M Innovative Properties Company                           | 30/09/2015 | 3204189 | 15778544.5 |        |
| 3204858 | Optum, Inc.                                                | 07/10/2015 | 3204858 | 15875851.6 |        |
| 3205024 | Texas Instruments Incorporated                             | 06/10/2015 | 3205024 | 15848860.1 |        |
| 3205068 | Cassidian Cybersecurity SAS                                | 09/10/2015 | 3205068 | 15787261.5 | French |
| 3205173 | GUANGDONG OPPO MOBILE<br>TELECOMMUNICATIONS CORP.,<br>LTD. | 05/10/2015 | 3205173 | 15849260.3 |        |
| 3205283 | Ethicon LLC                                                | 10/02/2017 | 3205283 | 17155691.3 |        |
| 3205626 | Grundfos Holding A/S                                       | 10/02/2016 | 3205626 | 16155029.8 |        |
| 3206193 | Glory Ltd.                                                 | 01/10/2015 | 3206193 | 15849741.2 |        |
| 3207732 | Vodafone IP Licensing Limited                              | 09/10/2015 | 3207732 | 15778313.5 |        |
| 3207989 | Cataler Corporation<br>TOYOTA JIDOSHA KABUSHIKI<br>KAISHA  | 07/10/2015 | 3207989 | 15850507.3 |        |
| 3208420 | Rolls-Royce plc                                            | 25/01/2017 | 3208420 | 17152955.5 |        |
| 3208446 | United Technologies Corporation                            | 17/02/2017 | 3208446 | 17156775.3 |        |
| 3208532 | Dobler, Peter                                              | 22/02/2017 | 3208532 | 17157427.0 | German |
| 3209625 | BASF SE                                                    | 23/10/2015 | 3209625 | 15784700.5 |        |
| 3209694 | Swansea University                                         | 21/10/2015 | 3209694 | 15801482.9 |        |
| 3211118 | JX Nippon Mining & Metals<br>Corporation                   | 17/05/2016 | 3211118 | 16799866.5 |        |

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| 3211343 | LG Electronics Inc.                                                     | 29/11/2016 | 3211343 | 16201086.2 |        |
| 3212069 | Lake Region Medical, Inc.                                               | 30/10/2015 | 3212069 | 15855427.9 |        |
| 3212189 | AbbVie Overseas S.à r.l.<br>Galapagos NV                                | 28/10/2015 | 3212189 | 15854320.7 |        |
| 3212501 | C&D Zodiac, Inc.                                                        | 27/10/2015 | 3212501 | 15855175.4 |        |
| 3212811 | The Children's Hospital of Philadelphia                                 | 29/10/2015 | 3212811 | 15858376.5 |        |
| 3213243 | Proofpoint, Inc.                                                        | 30/10/2015 | 3213243 | 15855709.0 |        |
| 3213327 | Huang, Jianping                                                         | 24/09/2015 | 3213327 | 15845013.0 |        |
| 3213893 | Huiyang Allan Plastic & Electric<br>Industries Co., Limited             | 27/10/2016 | 3213893 | 16196076.0 |        |
| 3213920 | Konica Minolta, Inc.                                                    | 24/09/2015 | 3213920 | 15854271.2 |        |
| 3214042 | NGK Insulators, Ltd.                                                    | 08/10/2015 | 3214042 | 15854191.2 |        |
| 3214682 | Kyocera Corporation                                                     | 28/10/2015 | 3214682 | 15854632.5 |        |
| 3214854 | Yamaha Corporation                                                      | 01/12/2015 | 3214854 | 15864704.0 |        |
| 3214893 | Huawei Technologies Co., Ltd.                                           | 31/10/2014 | 3214893 | 14905144.3 |        |
| 3216176 | Kodiak Networks, Inc.                                                   | 03/11/2015 | 3216176 | 15857988.8 |        |
| 3216258 | Samsung Electronics Co., Ltd.<br>Tsinghua University                    | 06/11/2015 | 3216258 | 15856402.1 |        |
| 3216344 | Shimano Inc.                                                            | 13/02/2017 | 3216344 | 17155764.8 |        |
| 3217039 | Limited Liability Company "Scientific<br>Technical Company "Alpha Cube" | 28/10/2015 | 3217039 | 15857843.5 |        |
| 3217340 | Astronics Advanced Electronic Systems<br>Corp.                          | 02/03/2017 | 3217340 | 17158963.3 |        |
| 3217793 | Council of Scientific & Industrial<br>Research                          | 10/11/2015 | 3217793 | 15825639.6 |        |
| 3218184 | HP Indigo B.V.                                                          | 12/11/2014 | 3218184 | 14802832.7 |        |
| 3219006 | Dow Global Technologies LLC                                             | 21/10/2015 | 3219006 | 15787428.0 |        |
| 3219729 | Zoetis Services LLC                                                     | 05/07/2012 | 3219729 | 17168574.6 |        |
| 3220068 | Music, Admir                                                            | 16/03/2017 | 3220068 | 17161321.9 | German |
| 3220791 | Techtronic Industries Co., Ltd.                                         | 21/11/2014 | 3220791 | 14906629.2 |        |
| 3221032 | Johnson Matthey Public Limited<br>Company                               | 18/11/2015 | 3221032 | 15804184.8 |        |
| 3221039 | Omrix Biopharmaceuticals Ltd.                                           | 17/11/2015 | 3221039 | 15820642.5 |        |
| 3221256 | HYDROGENIOUS LOHC<br>TECHNOLOGIES GMBH                                  | 09/11/2015 | 3221256 | 15801345.8 | German |
| 3222126 | Robert Bosch GmbH                                                       | 22/10/2015 | 3222126 | 15794089.1 | German |

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| 3222420 | Mitsubishi Gas Chemical Company, Inc.<br>MGC Filsheet Co., Ltd.                                | 18/11/2015 | 3222420 | 15860914.9 |        |
| 3222618 | E. I. du Pont de Nemours and Company                                                           | 20/06/2008 | 3222618 | 17167479.9 |        |
| 3222853 | Whirlpool Corporation                                                                          | 27/02/2017 | 3222853 | 17158133.3 |        |
| 3222976 | Yokogawa Electric Corporation                                                                  | 21/03/2017 | 3222976 | 17161962.0 |        |
| 3223184 | Alibaba Group Holding Limited                                                                  | 11/11/2015 | 3223184 | 15861101.2 |        |
| 3223872 | Republic of Korea Management: Rural Development Administration                                 | 01/06/2016 | 3223872 | 16857623.9 |        |
| 3224485 | General Electric Company                                                                       | 10/11/2015 | 3224485 | 15798612.6 |        |
| 3224507 | ElringKlinger Kunststofftechnik GmbH<br>ElringKlinger AG                                       | 27/11/2015 | 3224507 | 15802071.9 | German |
| 3224923 | Renault S.A.S.                                                                                 | 26/10/2015 | 3224923 | 15808692.6 | French |
| 3225640 | LG Chem, Ltd.                                                                                  | 15/12/2015 | 3225640 | 15870291.0 |        |
| 3225648 | LG Chem, Ltd.                                                                                  | 15/12/2015 | 3225648 | 15870289.4 |        |
| 3225764 | Intex Marketing Ltd.                                                                           | 18/07/2014 | 3225764 | 17170443.0 |        |
| 3225765 | Bestway Inflatables & Material Corp.                                                           | 25/10/2016 | 3225765 | 16195515.8 |        |
| 3225865 | Steering Solutions IP Holding Corporation                                                      | 21/03/2017 | 3225865 | 17161954.7 |        |
| 3226784 | Boston Scientific Scimed, Inc.                                                                 | 01/12/2015 | 3226784 | 15808315.4 |        |
| 3227243 | Corning Incorporated                                                                           | 30/11/2015 | 3227243 | 15807774.3 |        |
| 3227817 | Samsung Electronics Co., Ltd.                                                                  | 26/10/2015 | 3227817 | 15865495.4 |        |
| 3228734 | Zhengzhou Zhongyuan Spandex Engineering Technology Co., Ltd                                    | 04/12/2014 | 3228734 | 14907342.1 |        |
| 3229020 | Fundación para el Fomento de la Investigación Sanitaria y Biomédica de la Comunitat Valenciana | 27/11/2015 | 3229020 | 15862543.4 |        |
| 3229243 | Nitto Denko Corporation                                                                        | 03/12/2015 | 3229243 | 15864917.8 |        |
| 3229390 | Huawei Technologies Co., Ltd.                                                                  | 31/12/2014 | 3229390 | 14909489.8 |        |
| 3229397 | ContactOffice Group                                                                            | 07/04/2016 | 3229397 | 16164250.9 |        |
| 3229513 | Sony Corporation                                                                               | 30/11/2015 | 3229513 | 15865737.9 |        |
| 3229838 | Pierre Fabre Médicament                                                                        | 11/12/2015 | 3229838 | 15868264.1 |        |
| 3229840 | Dermavant Sciences GmbH                                                                        | 09/12/2015 | 3229840 | 15816887.2 |        |
| 3231167 | Convida Wireless, LLC                                                                          | 11/12/2015 | 3231167 | 15819986.9 |        |
| 3231540 | United Technologies Corporation                                                                | 12/04/2017 | 3231540 | 17166371.9 |        |
| 3231599 | United Technologies Corporation                                                                | 12/04/2017 | 3231599 | 17166349.5 |        |
| 3231669 | Volvo Car Corporation                                                                          | 11/04/2016 | 3231669 | 16164715.1 |        |

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| 3232079 | Nisshinbo Brake Inc.                | 17/11/2015 | 3232079 | 15867350.9 |        |
| 3232411 | Sanden Retail Systems Corporation   | 01/12/2015 | 3232411 | 15869781.3 |        |
|         | The Coca-Cola Company               |            |         |            |        |
| 3232504 | Huawei Technologies Co., Ltd.       | 12/04/2016 | 3232504 | 16164812.6 |        |
| 3232520 | NGK Spark Plug Co., Ltd.            | 23/09/2015 | 3232520 | 15867522.3 |        |
| 3232555 | NR Electric Co., Ltd.               | 28/10/2015 | 3232555 | 15866788.1 |        |
|         | NR Engineering Co., Ltd             |            |         |            |        |
| 3233258 | Henkel AG & Co. KGaA                | 17/11/2015 | 3233258 | 15795162.5 | German |
| 3233504 | Hewlett-Packard Development         | 17/04/2015 | 3233504 | 15889383.4 |        |
|         | Company, L.P.                       |            |         |            |        |
| 3233510 | Hewlett-Packard Development         | 10/04/2015 | 3233510 | 15888685.3 |        |
|         | Company, L.P.                       |            |         |            |        |
| 3233811 | 3M Innovative Properties Company    | 08/12/2015 | 3233811 | 15828416.6 |        |
| 3233902 | Aravive Biologics, Inc.             | 17/12/2015 | 3233902 | 15871120.0 |        |
|         | The Board of Trustees of the Leland |            |         |            |        |
|         | Stanford Junior University          |            |         |            |        |
| 3234069 | Haldor Topsøe A/S                   | 15/12/2015 | 3234069 | 15819801.0 |        |
| 3234147 | Adagene Inc.                        | 19/12/2014 | 3234147 | 14908246.3 |        |
| 3234191 | Fondazione Istituto Italiano di     | 11/12/2015 | 3234191 | 15823782.6 |        |
|         | Tecnologia                          |            |         |            |        |
| 3234194 | Nederlandse Organisatie voor        | 18/12/2015 | 3234194 | 15834679.1 |        |
|         | toegepast- natuurwetenschappelijk   |            |         |            |        |
|         | onderzoek TNO                       |            |         |            |        |
| 3234644 | Naga Concept                        | 15/12/2015 | 3234644 | 15817176.9 | French |
| 3234746 | Samsung Electronics Co., Ltd.       | 18/12/2015 | 3234746 | 15870378.5 |        |
| 3235986 | dormakaba Deutschland GmbH          | 18/04/2016 | 3235986 | 16165880.2 | German |
| 3236257 | ARKRAY, Inc.                        | 19/04/2017 | 3236257 | 17167119.1 |        |
| 3236261 | Sekisui Medical Co., Ltd.           | 16/12/2014 | 3236261 | 14908387.5 |        |
| 3236811 | Gant Innovations Limited            | 14/05/2015 | 3236811 | 15723218.2 |        |
| 3236858 | Koninklijke Philips N.V.            | 07/12/2015 | 3236858 | 15816242.0 |        |
| 3237026 | Klinikum rechts der Isar der        | 18/12/2015 | 3237026 | 15813840.4 |        |
|         | Technischen Universität München     |            |         |            |        |
| 3237181 | voxeljet AG                         | 18/12/2015 | 3237181 | 15834788.0 | German |
| 3237613 | Sigma-Aldrich Co. LLC               | 22/12/2015 | 3237613 | 15874292.4 |        |
| 3237805 | Samsung Electronics Co., Ltd.       | 23/12/2015 | 3237805 | 15880298.3 |        |
| 3238061 | Document Storage Systems Inc.       | 17/12/2015 | 3238061 | 15874155.3 |        |

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| 3239201 | Mitsubishi Gas Chemical Company, Inc.                       | 01/12/2015 | 3239201 | 15872634.9 |        |
| 3239231 | Zeon Corporation                                            | 30/11/2015 | 3239231 | 15872625.7 |        |
| 3239237 | Polyplastics Co., Ltd.<br>Kaneka Corporation                | 14/12/2015 | 3239237 | 15872770.1 |        |
| 3240179 | Canon Kabushiki Kaisha                                      | 26/04/2017 | 3240179 | 17168103.4 |        |
| 3240238 | Quanta Computer Inc.                                        | 20/04/2017 | 3240238 | 17167365.0 |        |
| 3240266 | Nokia Technologies Oy                                       | 28/03/2017 | 3240266 | 17163198.9 |        |
| 3240315 | Kyocera Corporation                                         | 28/01/2016 | 3240315 | 16743462.0 |        |
| 3240357 | Kyocera Corporation                                         | 29/10/2015 | 3240357 | 15872477.3 |        |
| 3240509 | 3M Innovative Properties Company                            | 18/12/2015 | 3240509 | 15823100.1 |        |
| 3240537 | F.HOFFMANN-LA ROCHE AG                                      | 28/12/2015 | 3240537 | 15819835.8 |        |
| 3240596 | Kindeva HoldCo L.P.                                         | 22/12/2015 | 3240596 | 15830933.6 |        |
| 3240968 | Nu Flow Technologies 2000 Inc.                              | 29/12/2015 | 3240968 | 15874433.4 |        |
| 3241073 | Dolby Laboratories Licensing Corporation                    | 23/12/2015 | 3241073 | 15875335.0 |        |
| 3241129 | Samsung Electronics Co., Ltd.                               | 11/12/2015 | 3241129 | 15875562.9 |        |
| 3241557 | Huons Co., Ltd.                                             | 31/12/2015 | 3241557 | 15875763.3 |        |
| 3242196 | F. Hoffmann-La Roche AG                                     | 03/05/2016 | 3242196 | 16168117.6 |        |
| 3242333 | Nokia Technologies Oy                                       | 03/05/2016 | 3242333 | 16168160.6 |        |
| 3242700 | Novo Nordisk A/S                                            | 08/01/2016 | 3242700 | 16700545.3 |        |
| 3242741 | Baser, Swapneshu                                            | 23/02/2015 | 3242741 | 15728935.6 |        |
| 3243153 | Google LLC                                                  | 18/12/2015 | 3243153 | 15823101.9 |        |
| 3243622 | Borealis AG                                                 | 13/05/2016 | 3243622 | 16169647.1 |        |
| 3243852 | LG Chem, Ltd.                                               | 29/07/2016 | 3243852 | 16820907.0 |        |
| 3244565 | ASUSTek Computer Inc.                                       | 11/05/2017 | 3244565 | 17170574.2 |        |
| 3245015 | Graf S.p.A.                                                 | 11/01/2016 | 3245015 | 16700855.6 |        |
| 3245545 | Corning Optical Communications LLC                          | 14/01/2016 | 3245545 | 16701397.8 |        |
| 3245655 | Framatome GmbH                                              | 08/01/2016 | 3245655 | 16701571.8 | German |
| 3246202 | Kässbohrer Transport Technik GmbH                           | 15/05/2017 | 3246202 | 17171044.5 | German |
| 3246368 | CANON KABUSHIKI KAISHA                                      | 27/04/2017 | 3246368 | 17000731.4 |        |
| 3246381 | ZE Energy Inc.<br>Matsushita, Yasuharu<br>Matsushita, Kohei | 07/11/2011 | 3246381 | 17168896.3 |        |
| 3246463 | Lisa Dräxlmaier GmbH                                        | 17/05/2017 | 3246463 | 17171537.8 | German |
| 3246609 | Airbus Operations GmbH                                      | 20/05/2016 | 3246609 | 16170733.6 |        |
| 3246821 | Renesas Electronics Corporation                             | 02/05/2017 | 3246821 | 17168956.5 |        |

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| 3247645 | Catchpoint Limited                                                                                                                                       | 18/01/2016 | 3247645 | 16702193.0 |        |
| 3247744 | Taghleef Industries Inc.                                                                                                                                 | 21/01/2016 | 3247744 | 16706042.5 |        |
| 3247864 | National Oilwell Varco, L.P.                                                                                                                             | 06/01/2016 | 3247864 | 16702231.8 |        |
| 3247974 | Marposs Societa' Per Azioni                                                                                                                              | 18/01/2016 | 3247974 | 16700981.0 |        |
| 3248524 | Kohler Mira Limited                                                                                                                                      | 22/05/2017 | 3248524 | 17172162.4 |        |
| 3249146 | Saint-Gobain Sweden AB                                                                                                                                   | 26/05/2016 | 3249146 | 16171466.2 |        |
| 3249305 | Guangdong Midea Kitchen Appliances<br>Manufacturing Co., Ltd.<br>Midea Group Co., Ltd.                                                                   | 30/03/2015 | 3249305 | 15878449.6 |        |
| 3249352 | Kumon Corporation                                                                                                                                        | 25/11/2016 | 3249352 | 16868650.9 |        |
| 3249384 | SYSMEX CORPORATION                                                                                                                                       | 26/05/2017 | 3249384 | 17173030.2 |        |
| 3249910 | Panasonic Intellectual Property<br>Corporation of America                                                                                                | 13/11/2015 | 3249910 | 15866381.5 |        |
| 3249930 | InterDigital VC Holdings, Inc.                                                                                                                           | 18/05/2017 | 3249930 | 17171783.8 |        |
| 3250317 | Chevron Phillips Chemical Company<br>LP                                                                                                                  | 25/01/2016 | 3250317 | 16705362.8 |        |
| 3250338 | Mauser-Werke Oberndorf<br>Maschinenbau GmbH                                                                                                              | 01/02/2016 | 3250338 | 16701978.5 | German |
| 3250574 | Johnson Matthey Public Limited<br>Company                                                                                                                | 27/01/2016 | 3250574 | 16703889.2 |        |
| 3251453 | Telefonaktiebolaget LM Ericsson (publ)                                                                                                                   | 29/01/2016 | 3251453 | 16702100.5 |        |
| 3251457 | Intel IP Corporation                                                                                                                                     | 23/11/2015 | 3251457 | 15820675.5 |        |
| 3251527 | Shin-Etsu Chemical Co., Ltd.                                                                                                                             | 30/05/2017 | 3251527 | 17173546.7 |        |
| 3252103 | DAITO KASEI KOGYO CO., LTD.<br>TOYOBO CO., LTD.                                                                                                          | 25/01/2016 | 3252103 | 16743299.6 |        |
| 3252386 | Fujitsu General Limited                                                                                                                                  | 23/05/2017 | 3252386 | 17172525.2 |        |
| 3252717 | Siemens Healthcare GmbH                                                                                                                                  | 31/05/2017 | 3252717 | 17173613.5 |        |
| 3253522 | Illinois Tool Works Inc.                                                                                                                                 | 26/01/2016 | 3253522 | 16703886.8 |        |
| 3254197 | NetApp, Inc.                                                                                                                                             | 12/01/2016 | 3254197 | 16703192.1 |        |
| 3254281 | Qualcomm Incorporated                                                                                                                                    | 12/01/2016 | 3254281 | 16703391.9 |        |
| 3254695 | Astellas Pharma Inc.<br>TRON - Translationale Onkologie an<br>der Universitätsmedizin der Johannes<br>Gutenberg- Universität Mainz<br>gemeinnützige GmbH | 21/05/2013 | 3254695 | 17171169.0 |        |
| 3255112 | Tanaka Kikinzoku Kogyo K.K.                                                                                                                              | 27/01/2016 | 3255112 | 16746475.9 |        |

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| 3255201 | Qingdao Haier Washing Machine Co., Ltd.                      | 15/07/2015 | 3255201 | 15880861.8 |        |
| 3255216 | BLS Industries AB                                            | 08/06/2017 | 3255216 | 17174910.4 |        |
| 3255684 | Samsung Electronics Co., Ltd.                                | 10/06/2015 | 3255684 | 15881138.0 |        |
| 3256224 | Tyco Fire Products LP                                        | 11/02/2016 | 3256224 | 16706498.9 |        |
| 3256380 | ATLAS ELEKTRONIK GmbH                                        | 11/01/2016 | 3256380 | 16706517.6 | German |
| 3256427 | Sartorius Lab Instruments GmbH & Co. KG                      | 29/01/2016 | 3256427 | 16702330.8 | German |
| 3256581 | Elanco Canada Limited                                        | 11/02/2016 | 3256581 | 16748521.8 |        |
| 3256711 | Chairman, Defence Research & Development Organisation (DRDO) | 03/07/2015 | 3256711 | 15881879.9 |        |
| 3256738 | KSB SE & Co. KGaA                                            | 09/02/2016 | 3256738 | 16703332.3 | German |
| 3256957 | Microsoft Technology Licensing, LLC                          | 03/02/2016 | 3256957 | 16704359.5 |        |
| 3257126 | SAIPEM S.A.                                                  | 05/02/2016 | 3257126 | 16705260.4 | French |
| 3257636 | Positec Power Tools (Suzhou) Co., Ltd                        | 05/02/2016 | 3257636 | 16748731.3 |        |
| 3257851 | Jiangsu Kanion Pharmaceutical Co., Ltd.                      | 25/10/2016 | 3257851 | 16859004.0 |        |
| 3258041 | Volvo Construction Equipment AB                              | 10/02/2015 | 3258041 | 15882074.6 |        |
| 3258419 | Green Bit S.p.A.                                             | 02/05/2017 | 3258419 | 17168919.3 |        |
| 3258448 | Glory Ltd.                                                   | 05/01/2016 | 3258448 | 16748944.2 |        |
| 3259300 | Covestro Deutschland AG                                      | 15/02/2016 | 3259300 | 16704241.5 | German |
| 3259438 | Perigon AS                                                   | 12/02/2016 | 3259438 | 16704438.7 |        |
| 3259796 | Audi AG                                                      | 12/02/2016 | 3259796 | 16704025.2 | German |
| 3260058 | Ethicon LLC                                                  | 26/06/2017 | 3260058 | 17177844.2 |        |
| 3260570 | Nippon Steel Corporation                                     | 21/04/2016 | 3260570 | 16783233.6 |        |
| 3260922 | Kyocera Document Solutions Inc.                              | 11/12/2015 | 3260922 | 15882735.2 |        |
| 3261049 | Hyosung Heavy Industries Corporation                         | 22/12/2015 | 3261049 | 15873631.4 |        |
| 3261188 | Bal Seal Engineering, LLC                                    | 26/06/2017 | 3261188 | 17177782.4 |        |
| 3261352 | Sony Corporation                                             | 09/02/2016 | 3261352 | 16752362.0 |        |
| 3261421 | JX Nippon Mining & Metals Corporation                        | 18/06/2015 | 3261421 | 15887695.3 |        |
| 3261441 | Neonc Technologies Inc.                                      | 11/02/2016 | 3261441 | 16749879.9 |        |
| 3262020 | Rhodia Operations                                            | 22/02/2016 | 3262020 | 16708952.3 |        |
| 3262505 | BAE Systems PLC                                              | 15/02/2016 | 3262505 | 16704929.5 |        |
| 3262788 | Alcatel Lucent                                               | 17/02/2016 | 3262788 | 16709856.5 |        |
| 3263219 | SCREEN Holdings Co., Ltd.                                    | 20/06/2017 | 3263219 | 17176789.0 |        |
| 3263598 | Immunomedics Inc.                                            | 09/03/2007 | 3263598 | 17185776.6 |        |

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| 3263629 | Zeon Corporation                                                                                                                          | 23/02/2016 | 3263629 | 16755443.5 |        |
| 3264195 | Xerox Corporation                                                                                                                         | 19/06/2017 | 3264195 | 17176746.0 |        |
| 3264271 | MTS SYSTEMS CORPORATION                                                                                                                   | 07/02/2013 | 3264271 | 17184745.2 |        |
| 3264472 | Semiconductor Manufacturing<br>International (Shanghai) Corporation<br>Semiconductor Manufacturing<br>International (Beijing) Corporation | 29/06/2017 | 3264472 | 17178739.3 |        |
| 3264601 | Daishinku Corporation                                                                                                                     | 06/01/2016 | 3264601 | 16755033.4 |        |
| 3265305 | Kilklok LLC                                                                                                                               | 02/03/2016 | 3265305 | 16759389.6 |        |
| 3265622 | Carbon Cut Holdings Limited                                                                                                               | 04/03/2016 | 3265622 | 16709538.9 |        |
| 3266270 | BlackBerry Limited                                                                                                                        | 29/03/2016 | 3266270 | 16785703.6 |        |
| 3266271 | Samsung Electronics Co., Ltd.                                                                                                             | 01/10/2015 | 3266271 | 15884082.7 |        |
| 3266419 | ConforMIS, Inc.                                                                                                                           | 25/02/2010 | 3266419 | 17167442.7 |        |
| 3267320 | GEOTAB Inc.                                                                                                                               | 03/04/2013 | 3267320 | 17186773.2 |        |
| 3267794 | Yale University                                                                                                                           | 12/02/2016 | 3267794 | 16749998.7 |        |
| 3268024 | The Trustees of Columbia University in<br>the City of New York<br>University of Massachusetts                                             | 10/03/2016 | 3268024 | 16762530.0 |        |
| 3268146 | Howmet Aerospace Inc.                                                                                                                     | 14/03/2016 | 3268146 | 16712615.0 |        |
| 3268207 | Ecolean AB                                                                                                                                | 09/03/2016 | 3268207 | 16709033.1 |        |
| 3268353 | Bayer Animal Health GmbH                                                                                                                  | 09/03/2016 | 3268353 | 16708677.6 | German |
| 3268551 | Marinelli, Sergio                                                                                                                         | 04/03/2016 | 3268551 | 16708398.9 |        |
| 3268645 | Mueller International, LLC                                                                                                                | 02/07/2015 | 3268645 | 15884895.2 |        |
| 3269082 | EYELOCK LLC                                                                                                                               | 11/03/2016 | 3269082 | 16762630.8 |        |
| 3269094 | Allegro MicroSystems, LLC                                                                                                                 | 25/02/2016 | 3269094 | 16719950.4 |        |
| 3269136 | Apple Inc.                                                                                                                                | 08/03/2016 | 3269136 | 16715151.3 |        |
| 3269413 | Amgen Inc.                                                                                                                                | 11/10/2012 | 3269413 | 17187106.4 |        |
| 3269454 | Exel Industries                                                                                                                           | 10/07/2017 | 3269454 | 17180567.4 | French |
| 3269618 | Ou, Guangquan                                                                                                                             | 06/07/2017 | 3269618 | 17180026.1 |        |
| 3269763 | Hitachi-GE Nuclear Energy, Ltd.                                                                                                           | 11/07/2017 | 3269763 | 17180795.1 |        |
| 3269867 | Qingdao Haier Washing Machine Co.,<br>Ltd.                                                                                                | 03/07/2015 | 3269867 | 15884328.4 |        |
| 3270181 | Continental Teves AG & Co. OHG                                                                                                            | 14/07/2017 | 3270181 | 17181472.6 |        |
| 3270616 | Samsung Electronics Co., Ltd.                                                                                                             | 05/04/2012 | 3270616 | 17189937.0 |        |
| 3270951 | California Institute of Technology<br>Indi Molecular, Inc.                                                                                | 16/03/2016 | 3270951 | 16713229.9 |        |
| 3271139 | Costabeber, Ettore Maurizio                                                                                                               | 18/03/2015 | 3271139 | 15712570.9 |        |

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| 3271250 | Bombardier Inc.                                                                                                                                | 07/03/2016 | 3271250 | 16711894.2 |        |
| 3271704 | Hewlett-Packard Development Company, L.P.                                                                                                      | 29/07/2015 | 3271704 | 15899848.4 |        |
| 3272338 | Develco Pharma Schweiz AG                                                                                                                      | 16/04/2015 | 3272338 | 17186622.1 |        |
| 3272450 | Lincoln Global, Inc.                                                                                                                           | 13/07/2017 | 3272450 | 17001193.6 |        |
| 3273177 | Eberspächer catem GmbH & Co. KG                                                                                                                | 18/07/2016 | 3273177 | 16179979.6 | German |
| 3273408 | Continental Automotive GmbH                                                                                                                    | 19/07/2016 | 3273408 | 16465520.1 |        |
| 3273473 | SEMIKRON Elektronik GmbH & Co. KG                                                                                                              | 06/07/2017 | 3273473 | 17179924.0 | German |
| 3273490 | Aluminium Féron GmbH & Co. KG                                                                                                                  | 30/05/2017 | 3273490 | 17000912.0 | German |
| 3273507 | MAN Truck & Bus SE                                                                                                                             | 07/07/2017 | 3273507 | 17180257.2 | German |
| 3273757 | King Slide Works Co., Ltd.<br>King Slide Technology Co., Ltd.                                                                                  | 11/01/2017 | 3273757 | 17150924.3 |        |
| 3274579 | Chairman, Defence Research & Development Organisation (DRDO)                                                                                   | 06/07/2015 | 3274579 | 15887373.7 |        |
| 3275027 | Johnson IP Holding, LLC                                                                                                                        | 18/03/2016 | 3275027 | 16712672.1 |        |
| 3275880 | Toray Industries, Inc.                                                                                                                         | 22/03/2016 | 3275880 | 16768758.1 |        |
| 3276050 | Showa Denko K.K.                                                                                                                               | 18/03/2016 | 3276050 | 16768716.9 |        |
| 3276060 | Showa Glove Co.                                                                                                                                | 21/07/2017 | 3276060 | 17182620.9 |        |
| 3276353 | Shizuoka Prefecture                                                                                                                            | 21/07/2017 | 3276353 | 17182572.2 |        |
| 3276418 | The Provost, Fellows, Foundation Scholars, and The Other Members of Board, of The College of The Holy and Undivided Trinity of Queen Elizabeth | 03/07/2009 | 3276418 | 17171301.9 |        |
| 3276667 | Samsung Display Co., Ltd.                                                                                                                      | 21/07/2017 | 3276667 | 17182483.2 |        |
| 3276932 | CANON KABUSHIKI KAISHA                                                                                                                         | 26/07/2017 | 3276932 | 17183375.9 |        |
| 3277026 | IBEX PT Holdings Co., Ltd.                                                                                                                     | 17/12/2009 | 3277026 | 17191484.9 |        |
| 3277155 | University of Rochester                                                                                                                        | 23/03/2016 | 3277155 | 16713715.7 |        |
| 3277411 | BASF Corporation                                                                                                                               | 30/03/2016 | 3277411 | 16774084.4 |        |
| 3277580 | B/E Aerospace, Inc.                                                                                                                            | 30/03/2016 | 3277580 | 16774075.2 |        |
| 3278665 | Amarin Pharmaceuticals Ireland Limited                                                                                                         | 29/04/2010 | 3278665 | 17168056.4 |        |
| 3279188 | Medshine Discovery Inc.                                                                                                                        | 01/04/2016 | 3279188 | 16771408.8 |        |
| 3279409 | Hui Wing Kin, Martin                                                                                                                           | 21/07/2017 | 3279409 | 17182487.3 |        |
| 3279661 | Sysmex Corporation                                                                                                                             | 31/03/2016 | 3279661 | 16773199.1 |        |
| 3279732 | Mitsubishi Paper Mills Limited                                                                                                                 | 16/03/2016 | 3279732 | 16772299.0 |        |
| 3280235 | Grinberg, Ilone                                                                                                                                | 28/07/2017 | 3280235 | 17183766.9 |        |

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| 3281223 | Sillectra GmbH                                                                                      | 23/06/2015 | 3281223 | 15731568.0 | German |
| 3281377 | Telefonaktiebolaget LM Ericsson (publ)                                                              | 10/04/2015 | 3281377 | 15724387.4 |        |
| 3281431 | Vodafone IP Licensing Limited                                                                       | 08/04/2016 | 3281431 | 16717991.0 |        |
| 3282285 | Facebook Technologies, LLC                                                                          | 20/07/2017 | 3282285 | 17182282.8 |        |
| 3282352 | VOLKSWAGEN<br>AKTIENGESELLSCHAFT                                                                    | 26/07/2017 | 3282352 | 17183199.3 | German |
| 3282629 | LG Electronics Inc.                                                                                 | 08/04/2016 | 3282629 | 16776922.3 |        |
| 3282751 | QUALCOMM Incorporated                                                                               | 01/10/2008 | 3282751 | 17192310.5 |        |
| 3282934 | A C Cossor & Son (Technology) Ltd<br>University of Newcastle Upon Tyne                              | 15/04/2016 | 3282934 | 16722342.9 |        |
| 3283155 | Becton, Dickinson and Company                                                                       | 15/04/2016 | 3283155 | 16780934.2 |        |
| 3283747 | Safran Aircraft Engines                                                                             | 14/04/2016 | 3283747 | 16733133.9 | French |
| 3283866 | Spex Sample Prep, LLC<br>Boivin, Marc<br>Lemay, Pierre-Emmanuel<br>Fiala, Antoine<br>Bernier, Marco | 18/04/2016 | 3283866 | 16780978.9 |        |
| 3283941 | Google LLC                                                                                          | 13/04/2016 | 3283941 | 16717814.4 |        |
| 3285456 | Fujitsu Limited                                                                                     | 04/07/2017 | 3285456 | 17179670.9 |        |
| 3285520 | BlackBerry Limited                                                                                  | 11/03/2013 | 3285520 | 17191167.0 |        |
| 3285894 | Mellow Boards GmbH                                                                                  | 20/04/2016 | 3285894 | 16720375.1 | German |
| 3286141 | Suez International                                                                                  | 18/04/2016 | 3286141 | 16719915.7 | French |
| 3286435 | Daimler AG                                                                                          | 06/04/2016 | 3286435 | 16715453.3 | German |
| 3286897 | VID SCALE, Inc.                                                                                     | 22/04/2016 | 3286897 | 16720290.2 |        |
| 3287008 | Kim, Seog-Tae                                                                                       | 22/04/2016 | 3287008 | 16783452.2 |        |
| 3287021 | SCHOTT AG                                                                                           | 26/07/2017 | 3287021 | 17183310.6 | German |
| 3287299 | Continental Reifen Deutschland GmbH                                                                 | 10/07/2017 | 3287299 | 17180408.1 | German |
| 3288053 | Ormazabal Corporate Technology,<br>A.I.E.                                                           | 14/04/2016 | 3288053 | 16725877.1 |        |
| 3288328 | Huawei Technologies Co., Ltd.                                                                       | 25/12/2012 | 3288328 | 17177170.2 |        |
| 3289226 | Ziehl-Abegg SE                                                                                      | 25/04/2016 | 3289226 | 16727293.9 | German |
| 3289624 | Umicore                                                                                             | 26/04/2016 | 3289624 | 16718668.3 |        |
| 3289652 | Alstom Grid UK Limited                                                                              | 29/04/2016 | 3289652 | 16724449.0 |        |
| 3290422 | LG Chem, Ltd.                                                                                       | 28/04/2016 | 3290422 | 16786759.7 |        |
| 3290474 | Sumitomo Bakelite Co.,Ltd.                                                                          | 30/04/2015 | 3290474 | 15890740.2 |        |
| 3290705 | Microjet Technology Co., Ltd                                                                        | 06/07/2017 | 3290705 | 17179950.5 |        |
| 3291215 | BOE Technology Group Co., Ltd.                                                                      | 24/09/2015 | 3291215 | 15890572.9 |        |

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| 3291434 | TOSHIBA MITSUBISHI-ELECTRIC<br>INDUSTRIAL SYSTEMS<br>CORPORATION                                                   | 28/07/2015 | 3291434 | 15890764.2 |        |
| 3291623 | Sharp Kabushiki Kaisha                                                                                             | 25/04/2016 | 3291623 | 16786449.5 |        |
| 3291624 | Sharp Kabushiki Kaisha                                                                                             | 25/04/2016 | 3291624 | 16786450.3 |        |
| 3291916 | Biological Dynamics, Inc.                                                                                          | 04/05/2016 | 3291916 | 16790034.9 |        |
| 3292361 | Arçelik Anonim Sirketi                                                                                             | 06/05/2015 | 3292361 | 15722987.3 |        |
| 3293828 | Switchlab Inc.<br>Switchlab (Shanghai) Co., Ltd.                                                                   | 28/07/2017 | 3293828 | 17183678.6 |        |
| 3294094 | La Hair Consulting Group GmbH                                                                                      | 29/04/2016 | 3294094 | 16725351.7 | German |
| 3294228 | Hy5Pro AS                                                                                                          | 29/04/2016 | 3294228 | 16719421.6 |        |
| 3294449 | Venator Germany GmbH                                                                                               | 13/05/2016 | 3294449 | 16726029.8 | German |
| 3294527 | Weber Schraubautomaten GmbH                                                                                        | 21/06/2016 | 3294527 | 16733903.5 | German |
| 3294561 | Hewlett-Packard Development<br>Company, L.P.                                                                       | 02/10/2015 | 3294561 | 15905624.1 |        |
| 3294895 | Calimmune Inc.<br>Calimmune Australia Pty Ltd<br>St. Vincent's Hospital Sydney<br>NewSouth Innovations Pty Limited | 15/02/2016 | 3294895 | 16710350.6 |        |
| 3295585 | Telefonaktiebolaget LM Ericsson (publ)                                                                             | 11/05/2016 | 3295585 | 16724122.3 |        |
| 3295622 | Huawei Technologies Co., Ltd.                                                                                      | 04/07/2016 | 3295622 | 16820808.0 |        |
| 3295823 | MINJIN Co., Ltd.                                                                                                   | 28/05/2015 | 3295823 | 15891928.2 |        |
| 3296164 | HUF Hülsbeck & Fürst GmbH & Co.<br>KG                                                                              | 19/09/2017 | 3296164 | 17191969.9 | German |
| 3296643 | SAINT-GOBAIN GLASS FRANCE                                                                                          | 19/09/2017 | 3296643 | 17191759.4 | French |
| 3296674 | Samsung Electronics Co., Ltd.                                                                                      | 10/04/2013 | 3296674 | 17197912.3 |        |
| 3296962 | Siemens Healthcare GmbH                                                                                            | 19/09/2017 | 3296962 | 17191897.2 |        |
| 3297226 | ZTE Corporation                                                                                                    | 23/02/2016 | 3297226 | 16791918.2 |        |
| 3297313 | Sony Corporation                                                                                                   | 02/06/2016 | 3297313 | 16802573.2 |        |
| 3297344 | Huawei Technologies Co., Ltd.                                                                                      | 09/06/2015 | 3297344 | 15894591.5 |        |
| 3298061 | Huntsman Advanced Materials<br>Licensing (Switzerland) GmbH                                                        | 11/05/2016 | 3298061 | 16725399.6 |        |
| 3298086 | Clemson University Research<br>Foundation                                                                          | 19/05/2016 | 3298086 | 16800517.1 |        |
| 3299182 | The Goodyear Tire & Rubber Company                                                                                 | 22/09/2017 | 3299182 | 17192774.2 |        |
| 3299366 | Shenyang Sinochem Agrochemicals<br>R&D Co., Ltd.                                                                   | 17/05/2016 | 3299366 | 16795865.1 |        |

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| 3299519 | Krauss-Maffei Wegmann GmbH & Co. KG                                                         | 20/09/2017 | 3299519 | 17192140.6 | German |
| 3299879 | Nissan Chemical Corporation                                                                 | 27/05/2016 | 3299879 | 16803281.1 |        |
| 3300059 | LG Electronics Inc.                                                                         | 11/11/2015 | 3300059 | 17200373.3 |        |
| 3300288 | LG Electronics Inc.                                                                         | 23/05/2016 | 3300288 | 16800280.6 |        |
| 3301050 | Otis Elevator Company                                                                       | 02/10/2017 | 3301050 | 17194343.4 |        |
| 3301069 | Chapman/Leonard Studio Equipment, Inc.                                                      | 02/10/2017 | 3301069 | 17194395.4 |        |
| 3301305 | Sanyo Denki Co., Ltd.                                                                       | 29/09/2017 | 3301305 | 17193943.2 |        |
| 3302012 | TDK-LAMBDA LTD                                                                              | 15/03/2017 | 3302012 | 17161193.2 |        |
| 3302015 | Sungrow Power Supply Co., Ltd.                                                              | 29/05/2017 | 3302015 | 17173297.7 |        |
| 3302040 | The GSI Group, LLC                                                                          | 03/06/2016 | 3302040 | 16745215.0 |        |
| 3302129 | NIKE Innovate C.V.                                                                          | 27/05/2016 | 3302129 | 16804166.3 |        |
| 3302355 | W. L. Gore & Associates, Inc.                                                               | 24/05/2016 | 3302355 | 16729418.0 |        |
| 3302917 | Corplex Plastics UK Ltd                                                                     | 27/05/2016 | 3302917 | 16753959.2 |        |
| 3303030 | PSA AUTOMOBILES S.A.                                                                        | 30/05/2016 | 3303030 | 16731238.8 | French |
| 3303400 | Genentech, Inc.                                                                             | 27/05/2016 | 3303400 | 16732377.3 |        |
| 3303567 | Maco Pharma                                                                                 | 27/05/2016 | 3303567 | 16731231.3 | French |
| 3304118 | Universiteit Antwerpen                                                                      | 30/05/2016 | 3304118 | 16751634.3 |        |
| 3304138 | Webster Capital LLC                                                                         | 03/06/2016 | 3304138 | 16731428.5 |        |
| 3304392 | Nordic Semiconductor ASA                                                                    | 17/05/2016 | 3304392 | 16724935.8 |        |
| 3305087 | ODC Lizenz AG                                                                               | 08/07/2015 | 3305087 | 17001951.7 |        |
| 3305440 | Kabushiki Kaisha Kobe Seiko Sho (Kobe Steel, Ltd.)                                          | 27/04/2016 | 3305440 | 16799747.7 |        |
| 3305767 | Ajou University Industry-Academic Cooperation Foundation                                    | 23/12/2015 | 3305767 | 15894366.2 |        |
| 3305892 | Universitat De València, Estudi General<br>Instituto Valenciano De Investigaciones Agrarias | 24/05/2016 | 3305892 | 16799402.9 |        |
| 3305982 | Kolon Industries, Inc.                                                                      | 27/05/2016 | 3305982 | 16800333.3 |        |
| 3306126 | Mitsubishi Heavy Industries Engine & Turbocharger, Ltd.                                     | 04/06/2015 | 3306126 | 15894231.8 |        |
| 3306235 | Koh Young Technology Inc.                                                                   | 08/06/2016 | 3306235 | 16807795.6 |        |
| 3306245 | Takahashi, Kenzo                                                                            | 31/05/2016 | 3306245 | 16803344.7 |        |
| 3306420 | Officine Panerai AG                                                                         | 28/09/2017 | 3306420 | 17193819.4 | French |
| 3306531 | Continental Reifen Deutschland GmbH                                                         | 23/07/2014 | 3306531 | 17197666.5 | German |
| 3307407 | Sony Interactive Entertainment Inc.                                                         | 13/06/2016 | 3307407 | 16733255.0 |        |

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|---------|----------------------------------------------------------|------------|---------|------------|--------|
| 3307772 | Ludwig Institute For Cancer Research Limited             | 10/06/2016 | 3307772 | 16808410.1 |        |
| 3307966 | Concrete Countertop Solutions, Inc.                      | 08/06/2016 | 3307966 | 16808145.3 |        |
| 3308632 | Deere & Company                                          | 11/10/2017 | 3308632 | 17195942.2 |        |
| 3308650 | ODC Lizenz AG                                            | 08/07/2015 | 3308650 | 17001965.7 |        |
| 3308657 | Japan Tobacco Inc.                                       | 25/05/2016 | 3308657 | 16807284.1 |        |
| 3308798 | Yang Sheng Tang Company, Ltd.<br>Xiamen University       | 06/06/2013 | 3308798 | 17203789.7 |        |
| 3308836 | Beiersdorf AG                                            | 04/06/2014 | 3308836 | 17199856.0 | German |
| 3308912 | Power Assist International Corporation                   | 27/07/2017 | 3308912 | 17812248.7 |        |
| 3309152 | Vertex Pharmaceuticals Incorporated                      | 21/12/2010 | 3309152 | 17187529.7 |        |
| 3309410 | Goyard St-Honoré                                         | 11/10/2017 | 3309410 | 17195975.2 | French |
| 3309557 | Continental Teves AG & Co. OHG                           | 17/12/2013 | 3309557 | 17198235.8 | German |
| 3310018 | Telefonica Digital España, S.L.U.                        | 14/10/2016 | 3310018 | 16382468.3 |        |
| 3310816 | Eisai R&D Management Co., Ltd.                           | 17/06/2016 | 3310816 | 16736952.9 |        |
| 3311208 | Glenair, Inc.                                            | 15/06/2016 | 3311208 | 16812378.4 |        |
| 3311565 | Microsoft Technology Licensing, LLC                      | 09/06/2016 | 3311565 | 16736300.1 |        |
| 3311653 | Song, Jin Chul                                           | 05/01/2017 | 3311653 | 17760203.4 |        |
| 3311678 | Caviaroli, S.L.                                          | 14/03/2016 | 3311678 | 16713498.0 |        |
| 3312054 | Weiß, Erhard                                             | 14/08/2017 | 3312054 | 17186216.2 | German |
| 3312541 | HS Marston Aerospace Limited                             | 21/10/2016 | 3312541 | 16195133.0 |        |
| 3312603 | Health Research, Inc.                                    | 12/08/2014 | 3312603 | 17193554.7 |        |
| 3313030 | Huawei Technologies Co., Ltd.                            | 29/07/2015 | 3313030 | 15899256.0 |        |
| 3313837 | Zoetis Services LLC                                      | 10/06/2016 | 3313837 | 16731743.7 |        |
| 3314010 | ZytoVision GmbH                                          | 23/06/2016 | 3314010 | 16731904.5 | German |
| 3314012 | Samplix ApS                                              | 24/06/2016 | 3314012 | 16732595.0 |        |
| 3314863 | Samsung Electronics Co., Ltd.                            | 28/10/2016 | 3314863 | 16860295.1 |        |
| 3314937 | Telefonaktiebolaget LM Ericsson (publ)                   | 31/05/2016 | 3314937 | 16813641.4 |        |
| 3314979 | Qualcomm Incorporated                                    | 29/06/2016 | 3314979 | 16745261.4 |        |
| 3315081 | Ethicon LLC                                              | 12/06/2015 | 3315081 | 17202915.9 |        |
| 3315272 | Windmüller GmbH                                          | 20/10/2017 | 3315272 | 17197492.6 | German |
| 3315430 | Shanghai Hongyan Returnable Transit Packagings Co., Ltd. | 22/06/2016 | 3315430 | 16813702.4 |        |
| 3315846 | Sony Corporation                                         | 16/06/2016 | 3315846 | 16814255.2 |        |
| 3315920 | Elpro-Buchs AG                                           | 26/09/2017 | 3315920 | 17193029.0 | German |
| 3316067 | HONDA MOTOR CO., LTD.                                    | 27/10/2017 | 3316067 | 17198803.3 |        |
| 3316127 | Honeywell International Inc.                             | 23/10/2017 | 3316127 | 17197883.6 |        |

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|--------------|----------------------------------------------------------------------------------|---------------------------------------------------------------|---------|------------|--------|
| 3316172      | Ricoh Company, Ltd.                                                              | 09/10/2017                                                    | 3316172 | 17195505.7 |        |
| 3316505      | Huawei Technologies Co., Ltd.                                                    | 30/07/2015                                                    | 3316505 | 15899315.4 |        |
| 3316795      | Boston Scientific Scimed, Inc.                                                   | 26/09/2016                                                    | 3316795 | 16774833.4 |        |
| 3317017      | Avalun                                                                           | 01/07/2016                                                    | 3317017 | 16750921.5 | French |
| 3317250      | Wisconsin Alumni Research<br>Foundation                                          | 26/05/2016                                                    | 3317250 | 16729122.8 |        |
| 3317546      | FDX Fluid Dynamix GmbH                                                           | 16/11/2016                                                    | 3317546 | 16798135.6 | German |
| 3318486      | The Boeing Company                                                               | 27/10/2017                                                    | 3318486 | 17198976.7 |        |
| 3318874      | Tetraneuron S.L<br>CONSEJO SUPERIOR DE<br>INVESTIGACIONES CIENTIFICAS            | 29/06/2016                                                    | 3318874 | 16817300.3 |        |
| 3319191      | Unex Aparellaje Electrico S.L.                                                   | 25/10/2017                                                    | 3319191 | 17198252.3 |        |
| 3319200      | COMMISSARIAT À L'ÉNERGIE<br>ATOMIQUE ET AUX ÉNERGIES<br>ALTERNATIVES             | 16/10/2017                                                    | 3319200 | 17196564.3 | French |
| 3319207      | Electronics and Telecommunications<br>Research Institute                         | 23/10/2017                                                    | 3319207 | 17197743.2 |        |
| 3319244      | ASUSTek Computer Inc.                                                            | 03/10/2017                                                    | 3319244 | 17194482.0 |        |
| 3319254      | Huawei Technologies Co., Ltd.                                                    | 06/07/2016                                                    | 3319254 | 16829745.5 |        |
| 3319297      | Xilinx, Inc.                                                                     | 01/11/2017                                                    | 3319297 | 17199526.9 |        |
| 3319700      | You, Ningsi                                                                      | 11/07/2016                                                    | 3319700 | 16823551.3 |        |
| 3320071      | Ecolab Usa Inc.                                                                  | 06/07/2015                                                    | 3320071 | 15734184.3 |        |
| 3320073      | Henkel AG & Co. KGaA                                                             | 28/06/2016                                                    | 3320073 | 16732315.3 | German |
| 3320378      | Exruptive A/S                                                                    | 05/07/2016                                                    | 3320378 | 16736105.4 |        |
| 3320591      | JENOPTIK Advanced Systems GmbH                                                   | 07/07/2016                                                    | 3320591 | 16738115.1 | German |
| 3321082      | Nitto Denko Corporation                                                          | 29/07/2016                                                    | 3321082 | 16832969.6 |        |
| 3321179      | Zero Co., Ltd.                                                                   | 06/07/2015                                                    | 3321179 | 15897684.5 |        |
| 3321576      | Contemporary Visions, LLC                                                        | 08/11/2017                                                    | 3321576 | 17200553.0 |        |
| 3321754      | Siemens Aktiengesellschaft                                                       | 11/11/2016                                                    | 3321754 | 16198398.6 | German |
| 3322105      | Huawei Technologies Co., Ltd.                                                    | 31/07/2015                                                    | 3322105 | 15899951.6 |        |
| 3322109      | Industry-University Cooperation<br>Foundation Hanyang University ERICA<br>Campus | 08/07/2016                                                    | 3322109 | 16824660.1 |        |
| 3322160      | LG Electronics Inc.                                                              | 09/11/2015                                                    | 3322160 | 15897798.3 |        |
| 3322233      | LG Electronics Inc.                                                              | 08/07/2016                                                    | 3322233 | 16821686.9 |        |
| 3322364      | Novastep                                                                         | 11/07/2016                                                    | 3322364 | 16750945.4 | French |
| 3322673      | Kerneos                                                                          | 13/07/2016                                                    | 3322673 | 16750959.5 | French |

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| 3322734 | Inhibrx, Inc.                                                                                                                                                                                                                                                                                    | 18/07/2016 | 3322734 | 16825315.1 |        |
| 3322764 | BASF SE                                                                                                                                                                                                                                                                                          | 14/07/2016 | 3322764 | 16739103.6 | German |
| 3322890 | Vitesco Technologies GmbH                                                                                                                                                                                                                                                                        | 04/07/2016 | 3322890 | 16735641.9 | German |
| 3322980 | Fundació Institut D'Investigació Biomèdica de Bellvitge (IDIBELL)<br>Administración General de la Comunidad Autónoma de Euskadi<br>Universitat de Lleida<br>Institut de Recerca Biomèdica de Lleida<br>Fundació Dr Pifarré<br>Fundació Institució Catalana de Recerca I Estudis Avançats (ICREA) | 14/07/2016 | 3322980 | 16739131.7 |        |
| 3323003 | Koninklijke Philips N.V.                                                                                                                                                                                                                                                                         | 04/07/2016 | 3323003 | 16738878.4 |        |
| 3323411 | Korea Research Institute of Standards and Science<br>Seoul National University R&DB Foundation                                                                                                                                                                                                   | 12/07/2016 | 3323411 | 16824707.0 |        |
| 3323746 | Suntory Holdings Limited                                                                                                                                                                                                                                                                         | 14/07/2016 | 3323746 | 16824525.6 |        |
| 3324127 | ELECTROLUX APPLIANCES<br>AKTIEBOLAG                                                                                                                                                                                                                                                              | 07/07/2017 | 3324127 | 17180265.5 |        |
| 3324181 | Universidad de Granada<br>Servicio Andaluz de Salud                                                                                                                                                                                                                                              | 18/07/2016 | 3324181 | 16823934.1 |        |
| 3324310 | Google LLC                                                                                                                                                                                                                                                                                       | 16/11/2017 | 3324310 | 17202184.2 |        |
| 3324695 | NEC Corporation                                                                                                                                                                                                                                                                                  | 16/05/2016 | 3324695 | 16824016.6 |        |
| 3324791 | MR BLUE SKY BVBA                                                                                                                                                                                                                                                                                 | 14/07/2016 | 3324791 | 16742411.8 |        |
| 3325111 | NIKE Innovate C.V.                                                                                                                                                                                                                                                                               | 21/07/2016 | 3325111 | 16745357.0 |        |
| 3325234 | Think Surgical, Inc.                                                                                                                                                                                                                                                                             | 18/07/2016 | 3325234 | 16828363.8 |        |
| 3325279 | Giesecke+Devrient Currency Technology GmbH                                                                                                                                                                                                                                                       | 11/07/2016 | 3325279 | 16741535.5 | German |
| 3325309 | Volkswagen Aktiengesellschaft                                                                                                                                                                                                                                                                    | 22/07/2016 | 3325309 | 16741341.8 | German |
| 3325310 | Adient Luxembourg Holding S.à r.l.                                                                                                                                                                                                                                                               | 04/07/2016 | 3325310 | 16734001.7 | German |
| 3325501 | Scancell Limited                                                                                                                                                                                                                                                                                 | 19/07/2016 | 3325501 | 16744839.8 |        |
| 3325520 | E Ink Corporation                                                                                                                                                                                                                                                                                | 22/07/2016 | 3325520 | 16828609.4 |        |
| 3325643 | United Kingdom Research and Innovation                                                                                                                                                                                                                                                           | 01/07/2016 | 3325643 | 16738211.8 |        |
| 3325823 | Illinois Tool Works Inc.                                                                                                                                                                                                                                                                         | 12/07/2016 | 3325823 | 16741767.4 |        |
| 3325826 | SFS Intec Holding AG                                                                                                                                                                                                                                                                             | 08/07/2016 | 3325826 | 16738399.1 | German |

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| 3325844      | Schaeffler Technologies AG & Co. KG                                                                                        | 06/07/2016                                                    | 3325844 | 16760644.1 | German |
| 3325900      | Messer France S.A.S.                                                                                                       | 22/07/2016                                                    | 3325900 | 16741631.2 | German |
| 3325933      | Redline Detection, LLC                                                                                                     | 22/07/2016                                                    | 3325933 | 16828597.1 |        |
| 3326348      | JRD Communication Inc.                                                                                                     | 12/05/2017                                                    | 3326348 | 17840421.6 |        |
| 3326427      | Canon Kabushiki Kaisha                                                                                                     | 13/07/2016                                                    | 3326427 | 16827420.7 |        |
| 3327177      | Obshchestvo S Ogranichennoy<br>Otvetstvennost'yu "Obedinennaya<br>Kompaniya Rusal Inzhenerno-<br>Tekhnologicheskoy Tsentr" | 07/07/2016                                                    | 3327177 | 16830914.4 |        |
| 3327400      | Super Brush LLC                                                                                                            | 21/11/2017                                                    | 3327400 | 17202741.9 |        |
| 3327419      | STS Intellimon Limited                                                                                                     | 29/11/2016                                                    | 3327419 | 16201222.3 |        |
| 3327883      | Hitachi Industrial Equipment Systems<br>Co., Ltd.                                                                          | 17/07/2015                                                    | 3327883 | 15898882.4 |        |
| 3327892      | O2Micro, Inc.                                                                                                              | 04/12/2017                                                    | 3327892 | 17205285.4 |        |
| 3327918      | Hitachi Industrial Equipment Systems<br>Co., Ltd.                                                                          | 17/07/2015                                                    | 3327918 | 15898883.2 |        |
| 3328312      | Erskine Products Pty Ltd                                                                                                   | 14/07/2016                                                    | 3328312 | 16831956.4 |        |
| 3328492      | PhotonMD, Inc.                                                                                                             | 28/07/2016                                                    | 3328492 | 16831334.4 |        |
| 3328521      | Evonik Fibres GmbH                                                                                                         | 18/07/2016                                                    | 3328521 | 16739482.4 | German |
| 3328600      | Robert Bosch GmbH                                                                                                          | 04/07/2016                                                    | 3328600 | 16736826.5 | German |
| 3328672      | Plastic Omnium Advanced Innovation<br>and Research                                                                         | 29/07/2016                                                    | 3328672 | 16750694.8 |        |
| 3328747      | Ball Corporation                                                                                                           | 07/07/2016                                                    | 3328747 | 16831009.2 |        |
| 3328849      | Pfizer Inc.                                                                                                                | 18/07/2016                                                    | 3328849 | 16741698.1 |        |
| 3329044      | The Procter & Gamble Company                                                                                               | 28/07/2016                                                    | 3329044 | 16747989.8 |        |
| 3329359      | Triad National Security, LLC                                                                                               | 22/07/2016                                                    | 3329359 | 16831127.2 |        |
| 3329473      | Giesecke+Devrient Currency<br>Technology GmbH                                                                              | 29/07/2016                                                    | 3329473 | 16745416.4 | German |
| 3329474      | Söchtig, Julia S.                                                                                                          | 29/07/2016                                                    | 3329474 | 16748097.9 | German |
| 3329613      | Thales Alenia Space Italia S.p.A. Con<br>Unico Socio                                                                       | 07/04/2017                                                    | 3329613 | 17716527.1 |        |
| 3329891      | Minebea Mitsumi Inc.<br>National University Corporation Chiba<br>University                                                | 29/07/2016                                                    | 3329891 | 16830609.0 |        |
| 3330123      | TF-Metal Co., Ltd.                                                                                                         | 28/11/2017                                                    | 3330123 | 17204032.1 |        |
| 3330161      | Hitachi Automotive Systems, Ltd.                                                                                           | 20/07/2016                                                    | 3330161 | 16832753.4 |        |
| 3330171      | Offshore Navigation Limited                                                                                                | 30/11/2017                                                    | 3330171 | 17204814.2 |        |

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| 3330306 | Maxell Holdings, Ltd.                                                     | 27/07/2016 | 3330306 | 16830558.9 |        |
| 3330369 | National University Corporation<br>Asahikawa Medical University           | 29/07/2016 | 3330369 | 16832928.2 |        |
| 3330413 | SixPoint Materials, Inc.                                                  | 04/06/2009 | 3330413 | 17194431.7 |        |
| 3330459 | Total Ps Co., Ltd.<br>Seoul National University R&DB<br>Foundation        | 29/07/2016 | 3330459 | 16830878.1 |        |
| 3330514 | Yanmar Co., Ltd.                                                          | 28/07/2016 | 3330514 | 16832499.4 |        |
| 3330691 | General Electric Company                                                  | 27/11/2017 | 3330691 | 17203788.9 |        |
| 3330695 | Universidad Nacional de Educación a<br>Distancia                          | 19/07/2016 | 3330695 | 16829899.0 |        |
| 3330710 | Sapporo Medical University                                                | 28/07/2016 | 3330710 | 16832913.4 |        |
| 3330754 | Nippon Electric Glass Co., Ltd.                                           | 25/07/2016 | 3330754 | 16830480.6 |        |
| 3331234 | Seiko Epson Corporation                                                   | 30/11/2017 | 3331234 | 17204681.5 |        |
| 3331264 | Alcatel Lucent                                                            | 02/12/2016 | 3331264 | 16201953.3 |        |
| 3331298 | Panasonic Intellectual Property<br>Corporation of America                 | 09/03/2016 | 3331298 | 16829976.6 |        |
| 3331599 | Industrie Borla SpA                                                       | 04/08/2016 | 3331599 | 16763954.1 |        |
| 3331839 | Chemische Fabrik Budenheim KG                                             | 26/07/2016 | 3331839 | 16744373.8 | German |
| 3332269 | Koninklijke Philips N.V.                                                  | 28/07/2016 | 3332269 | 16753704.2 |        |
| 3332315 | Sony Interactive Entertainment Inc.                                       | 22/07/2016 | 3332315 | 16754344.6 |        |
| 3332808 | Immunomedics Inc.                                                         | 03/03/2006 | 3332808 | 18152571.8 |        |
| 3332832 | Biosense Webster (Israel) Ltd.                                            | 06/12/2017 | 3332832 | 17205691.3 |        |
| 3332845 | Angel Playing Cards Co., Ltd.                                             | 29/07/2016 | 3332845 | 16832952.2 |        |
| 3332970 | Funai Electric Co., Ltd.                                                  | 04/12/2017 | 3332970 | 17205220.1 |        |
| 3333021 | WINBO-Dongjian Automotive<br>Technology Co., Ltd.                         | 07/12/2017 | 3333021 | 17206037.8 |        |
| 3333083 | Airbus Operations Limited                                                 | 21/01/2014 | 3333083 | 18151016.5 |        |
| 3333191 | Pierre Fabre Médicament                                                   | 11/12/2015 | 3333191 | 18150243.6 |        |
| 3333538 | Hexagon Technology Center GmbH                                            | 07/12/2016 | 3333538 | 16202711.4 |        |
| 3333875 | Zhejiang Chint Electrics Co., Ltd.<br>Seari Electric Technology Co., Ltd. | 02/08/2016 | 3333875 | 16832305.3 |        |
| 3334262 | Panduit Corp                                                              | 08/12/2017 | 3334262 | 17206126.9 |        |
| 3334920 | ETM Engineering Technologie<br>Marketing GmbH                             | 26/07/2016 | 3334920 | 16750411.7 | German |
| 3335030 | PURAC Biochem BV                                                          | 28/07/2016 | 3335030 | 16750675.7 |        |
| 3335753 | EURO-CELTIQUE S.A.                                                        | 31/10/2012 | 3335753 | 17204347.3 |        |

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| 3335782 | Bio-Rad Laboratories, Inc.                              | 11/05/2007 | 3335782 | 18152310.1 |        |
| 3335823 | Lincoln Global, Inc.                                    | 07/11/2017 | 3335823 | 17001820.4 |        |
| 3335911 | Sumitomo Rubber Industries, Ltd.                        | 14/07/2014 | 3335911 | 18155171.4 |        |
| 3335983 | Goodrich Corporation                                    | 16/12/2016 | 3335983 | 16461576.7 |        |
| 3336928 | LG Chem, Ltd.                                           | 25/01/2017 | 3336928 | 17756722.9 |        |
| 3337026 | General Electric Technology GmbH                        | 15/12/2016 | 3337026 | 16204368.1 |        |
| 3337172 | Velos Media International Limited                       | 21/05/2012 | 3337172 | 18154932.0 |        |
| 3337291 | E.G.O. Elektro-Gerätebau GmbH                           | 15/12/2017 | 3337291 | 17207786.9 | German |
| 3338753 | Samsung Electronics Co., Ltd.                           | 06/07/2017 | 3338753 | 17180092.3 |        |
| 3338961 | Boll Automation GmbH                                    | 06/12/2017 | 3338961 | 17205593.1 | German |
|         | Buchen Umweltservice GmbH                               |            |         |            |        |
| 3339045 | CANON KABUSHIKI KAISHA                                  | 15/12/2017 | 3339045 | 17002036.6 |        |
| 3339165 | Goodrich Actuation Systems Limited                      | 22/12/2016 | 3339165 | 16275181.2 |        |
| 3339711 | Ethicon LLC                                             | 21/12/2017 | 3339711 | 17209608.3 |        |
| 3339754 | Netatmo                                                 | 22/12/2016 | 3339754 | 16306796.0 |        |
| 3340504 | Fujitsu Limited                                         | 19/08/2015 | 3340504 | 15901477.8 |        |
| 3341133 | Siver S.r.l.                                            | 29/07/2016 | 3341133 | 16766371.5 |        |
| 3341310 | Laitram, LLC                                            | 05/10/2016 | 3341310 | 16854207.4 |        |
| 3341517 | BSH Hausgeräte GmbH                                     | 29/07/2016 | 3341517 | 16744795.2 | German |
| 3341785 | Ashwin-Ushas Corporation, Inc.                          | 26/08/2016 | 3341785 | 16847043.3 |        |
| 3341824 | Google LLC                                              | 28/06/2016 | 3341824 | 16744966.9 |        |
| 3342224 | Samsung Electronics Co., Ltd.                           | 20/10/2016 | 3342224 | 16857788.0 |        |
| 3342363 | Medtronic Holding Company Sàrl                          | 03/11/2017 | 3342363 | 17199917.0 |        |
| 3342686 | Kabushiki Kaisha Kobe Seiko Sho<br>(Kobe Steel, Ltd.)   | 20/07/2016 | 3342686 | 16838973.2 |        |
| 3342761 | Govi                                                    | 27/12/2017 | 3342761 | 17210638.7 |        |
| 3342903 | Nantong Qiangsheng Graphene<br>Technology Co., Ltd.     | 09/10/2016 | 3342903 | 16904471.6 |        |
| 3343546 | LG Display Co., Ltd.                                    | 13/12/2017 | 3343546 | 17206946.0 |        |
| 3343613 | Renesas Electronics Corporation                         | 18/12/2017 | 3343613 | 17208002.0 |        |
| 3343652 | Kyocera Corporation                                     | 20/04/2016 | 3343652 | 16838840.3 |        |
| 3344606 | Rohm And Haas Electronic Materials<br>Korea Ltd.        | 27/06/2016 | 3344606 | 16837225.8 |        |
| 3344711 | Hewlett-Packard Development<br>Company, L.P.            | 27/01/2016 | 3344711 | 16888387.4 |        |
| 3345422 | Panasonic Intellectual Property<br>Management Co., Ltd. | 22/07/2016 | 3345422 | 16841038.9 |        |

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| 3345634 | Smith & Nephew plc                                                                                                               | 09/07/2008 | 3345634 | 18153512.1 |        |
| 3345803 | JTEKT CORPORATION                                                                                                                | 22/10/2014 | 3345803 | 18157091.2 |        |
| 3345908 | Samhwa Paints Industries Co., Ltd.                                                                                               | 15/05/2017 | 3345908 | 17171015.5 |        |
| 3345981 | Essilor International                                                                                                            | 09/01/2017 | 3345981 | 17150656.1 |        |
| 3346137 | Mitsubishi Heavy Industries Compressor Corporation                                                                               | 03/12/2015 | 3346137 | 15909789.8 |        |
| 3346342 | Manufacture et fabrique de montres et chronomètres, Ulysse Nardin Le Locle S.A.                                                  | 13/12/2017 | 3346342 | 17207036.9 | French |
| 3346412 | Tata Consultancy Services Limited                                                                                                | 05/01/2018 | 3346412 | 18150479.6 |        |
| 3346850 | Alevy, Steven                                                                                                                    | 12/09/2016 | 3346850 | 16845302.5 |        |
| 3348005 | Google LLC                                                                                                                       | 14/11/2016 | 3348005 | 16871263.6 |        |
| 3348258 | Paratek Pharmaceuticals, Inc.                                                                                                    | 30/03/2009 | 3348258 | 18158017.6 |        |
| 3348375 | Amcor Rigid Plastics USA, LLC                                                                                                    | 03/03/2015 | 3348375 | 18160718.5 |        |
| 3348775 | Athmer OHG                                                                                                                       | 27/12/2017 | 3348775 | 17002089.5 | German |
| 3349050 | Tsinghua University<br>Nuctech Company Limited                                                                                   | 11/01/2018 | 3349050 | 18151258.3 |        |
| 3349250 | Sony Corporation                                                                                                                 | 08/07/2013 | 3349250 | 17201661.0 |        |
| 3349670 | Microvention, Inc.                                                                                                               | 19/09/2016 | 3349670 | 16847564.8 |        |
| 3349687 | Transmural Systems LLC<br>THE UNITED STATES OF AMERICA, as represented by the Secretary, Department of Health and Human Services | 15/09/2016 | 3349687 | 16847336.1 |        |
| 3350242 | Covestro Deutschland AG                                                                                                          | 15/09/2016 | 3350242 | 16766016.6 | German |
| 3351133 | The Gillette Company LLC                                                                                                         | 20/01/2017 | 3351133 | 17152531.4 |        |
| 3351138 | The Gillette Company LLC                                                                                                         | 20/01/2017 | 3351138 | 17152539.7 |        |
| 3351388 | Konica Minolta, Inc.                                                                                                             | 12/09/2016 | 3351388 | 16846404.8 |        |
| 3351408 | Nokian Renkaat Oyj                                                                                                               | 05/01/2018 | 3351408 | 18397502.8 |        |
| 3351727 | United Technologies Corporation                                                                                                  | 18/12/2015 | 3351727 | 18155348.8 |        |
| 3351850 | Totoku Electric Co., Ltd.<br>Furukawa Electric Co., Ltd.                                                                         | 20/09/2016 | 3351850 | 16846682.9 |        |
| 3352036 | Kubota Corporation                                                                                                               | 12/12/2017 | 3352036 | 17206748.0 |        |
| 3352231 | Nikkiso Co., Ltd.                                                                                                                | 26/08/2016 | 3352231 | 16846229.9 |        |
| 3352286 | LG Chem, Ltd.                                                                                                                    | 06/01/2017 | 3352286 | 17736122.7 |        |
| 3352304 | Continental Automotive GmbH                                                                                                      | 21/12/2017 | 3352304 | 17209466.6 | German |
| 3352895 | Rhodia Operations                                                                                                                | 22/09/2016 | 3352895 | 16775574.3 |        |

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|---------------------|--------------------------------------------------|---------------------------------------------------------------|---------|-------------------|--------|
| 3353378             | Halliburton Energy Services, Inc.                | 16/11/2015                                                    | 3353378 | 15908909.3        |        |
| 3353758             | Digades GmbH                                     | 20/09/2016                                                    | 3353758 | 16779005.4        | German |
| 3353789             | Integrated Magnetolectronics Corporation         | 22/09/2016                                                    | 3353789 | 16849573.7        |        |
| 3354121             | Viscom Ag                                        | 21/09/2016                                                    | 3354121 | 16801123.7        | German |
| 3354256             | Amorepacific Corporation                         | 27/10/2016                                                    | 3354256 | 16860237.3        |        |
| 3354454             | Autoneum Management AG                           | 26/01/2017                                                    | 3354454 | 17153362.3        |        |
| 3354798             | Graco Minnesota Inc.                             | 09/01/2018                                                    | 3354798 | 18150834.2        |        |
| 3354984             | Ansaldo Energia Switzerland AG                   | 31/01/2017                                                    | 3354984 | 17154085.9        |        |
| 3355340             | Toyo Aluminium Kabushiki Kaisha                  | 16/09/2016                                                    | 3355340 | 16848563.9        |        |
| 3356077             | ThyssenKrupp Steel Europe AG<br>thyssenkrupp AG  | 30/09/2015                                                    | 3356077 | 15775163.7        | German |
| 3357111             | VON ARDENNE Asset GmbH & Co.<br>KG               | 22/09/2016                                                    | 3357111 | 16770269.5        | German |
| 3358112             | Atasan Metal Sanayi ve Ticaret Anonim<br>Sirketi | 09/01/2018                                                    | 3358112 | 18150781.5        |        |
| 3358227             | NISSAN MOTOR CO., LTD.                           | 30/09/2016                                                    | 3358227 | 16851835.5        |        |
| 3358356             | Biomérieux                                       | 16/09/2014                                                    | 3358356 | 18163737.2        | French |
| 3358753             | Huawei Technologies Co., Ltd.                    | 04/02/2016                                                    | 3358753 | 16888781.8        |        |
| 3358829             | Nikon Corporation                                | 27/09/2016                                                    | 3358829 | 16851544.3        |        |
| 3359252             | Boston Scientific Neuromodulation Corporation    | 04/10/2016                                                    | 3359252 | 16782170.1        |        |
| 3359508             | Ontario Institute for Cancer Research            | 04/10/2016                                                    | 3359508 | 16852924.6        |        |
| 3359672             | Looije Applications B.V.                         | 04/10/2016                                                    | 3359672 | 16784990.0        |        |
| 3360510             | Cook Medical Technologies LLC                    | 09/02/2018                                                    | 3360510 | 18275017.4        |        |
| 3360511             | Cook Medical Technologies LLC                    | 12/02/2018                                                    | 3360511 | 18275018.2        |        |
| 3360719             | Samsung SDI Co., Ltd                             | 09/02/2017                                                    | 3360719 | 17155310.0        |        |
| 3360800             | Runway Safe IPR AB                               | 29/07/2013                                                    | 3360800 | 18162492.5        |        |
| 3360907             | Mitsui Chemicals, Inc.                           | 04/10/2016                                                    | 3360907 | 16853600.1        |        |
| 3360927             | CJ CheilJedang Corporation                       | 25/06/2010                                                    | 3360927 | 18159665.1        |        |
| 3360946             | Sumitomo Chemical Co., Ltd.                      | 09/10/2015                                                    | 3360946 | 15905875.9        |        |
| 3360967             | Intrexon Actobiotics NV                          | 01/06/2012                                                    | 3360967 | 18163611.9        |        |
| 3361818             | Industrial Technology Research Institute         | 22/12/2017                                                    | 3361818 | 17210180.0        |        |
| 3361891             | O&M Halyard, Inc.                                | 16/10/2015                                                    | 3361891 | 15791077.9        |        |
| 3361954             | General Electric Company                         | 14/10/2016                                                    | 3361954 | 16787680.4        |        |
| 3362699             | WABCO Europe BVBA                                | 23/07/2016                                                    | 3362699 | 16744305.0        | German |

|         |                                                                       |            |         |            |        |
|---------|-----------------------------------------------------------------------|------------|---------|------------|--------|
| 3362755 | Kajitani, Tsuyoshi                                                    | 12/11/2015 | 3362755 | 15906330.4 |        |
|         | Nippon Crucible Co., Ltd.                                             |            |         |            |        |
| 3362792 | Yale University                                                       | 11/10/2016 | 3362792 | 16791477.9 |        |
| 3363036 | Eaton Intelligent Power Limited                                       | 06/10/2016 | 3363036 | 16781711.3 | German |
| 3363511 | Kabushiki Kaisha Sega Games doing<br>business as Sega Games Co., Ltd. | 05/10/2016 | 3363511 | 16855319.6 |        |
| 3364234 | Xiamen Yarui Optical Co., Ltd.                                        | 29/09/2016 | 3364234 | 16902204.3 |        |
| 3364489 | LG Chem, Ltd.                                                         | 07/07/2017 | 3364489 | 17824574.2 |        |
|         | UNIST (Ulsan National Institute of<br>Science and Technology)         |            |         |            |        |
| 3365498 | Impero, Pasquale                                                      | 21/10/2016 | 3365498 | 16812826.2 |        |
| 3365594 | ZKW Group GmbH                                                        | 24/10/2016 | 3365594 | 16791302.9 | German |
| 3365970 | Safran Electrical & Power                                             | 18/10/2016 | 3365970 | 16797591.1 | French |
| 3366677 | GENERAL MILLS, INC.                                                   | 07/02/2014 | 3366677 | 18164825.4 |        |
| 3366686 | Metabasis Therapeutics, Inc.                                          | 19/03/2010 | 3366686 | 18150958.9 |        |
| 3367620 | Huawei Technologies Co., Ltd.                                         | 23/11/2016 | 3367620 | 16867985.0 |        |
| 3368326 | Hewlett-Packard Development<br>Company, L.P.                          | 28/10/2015 | 3368326 | 15907457.4 |        |
| 3368552 | Agency for Science, Technology and<br>Research                        | 31/10/2016 | 3368552 | 16860402.3 |        |
| 3368666 | Querdenker APS                                                        | 28/10/2016 | 3368666 | 16788127.5 |        |
| 3368826 | Safran Aircraft Engines                                               | 27/10/2016 | 3368826 | 16809123.9 | French |
| 3368868 | Schneider Electric Systems USA, Inc.                                  | 25/10/2016 | 3368868 | 16860610.1 |        |
| 3369205 | Giesecke+Devrient Mobile Security<br>GmbH                             | 28/10/2016 | 3369205 | 16790881.3 | German |
| 3369670 | OREGON PRECISION INDUSTRIES,<br>INC. DBA PAKTECH                      | 03/07/2017 | 3369670 | 17179285.6 |        |
| 3370005 | Mitsubishi Electric Corporation                                       | 26/10/2015 | 3370005 | 15907196.8 |        |
| 3370025 | LOI Thermprocess GmbH                                                 | 22/02/2018 | 3370025 | 18158006.9 | German |
| 3370288 | Toagosei Co., Ltd.                                                    | 26/10/2016 | 3370288 | 16859819.1 |        |
| 3370375 | NTT DOCOMO, INC.                                                      | 13/02/2017 | 3370375 | 17756279.0 |        |
| 3370940 | Synventive Molding Solutions, Inc.                                    | 20/07/2017 | 3370940 | 17746313.0 |        |
| 3371007 | NSV Group FZCO                                                        | 02/11/2016 | 3371007 | 16861688.6 |        |
| 3371198 | University of North Carolina at Chapel<br>Hill                        | 02/11/2016 | 3371198 | 16862857.6 |        |
| 3371358 | FORBO SIEGLING GMBH                                                   | 20/12/2016 | 3371358 | 16838059.0 | German |
| 3372024 | Telefonaktiebolaget LM Ericsson (publ)                                | 13/10/2016 | 3372024 | 16862556.4 |        |

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|---------|----------------------------------------------------------------------------------|------------|---------|------------|--------|
| 3372052 | SAINT-GOBAIN GLASS FRANCE                                                        | 07/11/2016 | 3372052 | 16791410.0 | German |
| 3372178 | Globus Medical, Inc.                                                             | 07/03/2018 | 3372178 | 18160397.8 |        |
| 3372547 | KONE Corporation                                                                 | 21/06/2016 | 3372547 | 18160994.2 |        |
| 3372695 | Koninklijke Philips N.V.                                                         | 24/04/2014 | 3372695 | 18162835.5 |        |
| 3372773 | Renson Sunprotection Screens NV                                                  | 06/03/2018 | 3372773 | 18160109.7 |        |
| 3372897 | Mitsubishi Chemical Corporation<br>Chugai Ro Co., Ltd.                           | 29/01/2015 | 3372897 | 18166516.7 |        |
| 3372952 | Amiteq Co., Ltd.                                                                 | 02/11/2016 | 3372952 | 16862170.4 |        |
| 3373550 | Verisign, Inc.                                                                   | 01/03/2018 | 3373550 | 18159568.7 |        |
| 3373642 | Panasonic Intellectual Property<br>Management Co., Ltd.                          | 07/07/2016 | 3373642 | 16861743.9 |        |
| 3373657 | Samsung Electronics Co., Ltd.                                                    | 07/02/2018 | 3373657 | 18155472.6 |        |
| 3374409 | Dow Global Technologies LLC                                                      | 09/11/2016 | 3374409 | 16801092.4 |        |
| 3374451 | HP INDIGO B.V.                                                                   | 04/03/2016 | 3374451 | 16708400.3 |        |
| 3374576 | BASF SE                                                                          | 14/11/2016 | 3374576 | 16805512.7 |        |
| 3375049 | TE Connectivity Corporation                                                      | 08/11/2016 | 3375049 | 16805609.1 |        |
| 3375385 | Medos International S.à.r.l                                                      | 12/03/2014 | 3375385 | 18169120.5 |        |
| 3375527 | Grohe AG                                                                         | 09/03/2018 | 3375527 | 18160888.6 | German |
| 3375864 | Karlsruher Institut für Technologie                                              | 20/02/2018 | 3375864 | 18000171.1 | German |
| 3375951 | Cambridge International, Inc.                                                    | 02/03/2018 | 3375951 | 18159729.5 |        |
| 3376014 | LEECHAN Corporation                                                              | 30/10/2017 | 3376014 | 17199075.7 |        |
| 3376538 | Infineon Technologies AG                                                         | 15/03/2017 | 3376538 | 17161032.2 |        |
| 3376816 | Huawei Technologies Co., Ltd.                                                    | 15/12/2016 | 3376816 | 16874880.4 |        |
| 3376934 | ART Healthcare Ltd.                                                              | 17/11/2016 | 3376934 | 16809187.4 |        |
| 3376972 | Lenkbar, LLC                                                                     | 15/11/2016 | 3376972 | 16866945.5 |        |
| 3377124 | Technische Universität Berlin                                                    | 14/11/2016 | 3377124 | 16795323.1 | German |
| 3377214 | Fuelcell Energy, Inc.                                                            | 15/11/2016 | 3377214 | 16866965.3 |        |
| 3377246 | Danieli & C. Officine Meccaniche<br>S.p.A.                                       | 21/11/2016 | 3377246 | 16823326.0 |        |
| 3377724 | BAKER HUGHES HOLDINGS LLC                                                        | 16/11/2016 | 3377724 | 16866994.3 |        |
| 3377751 | Baldwin Filters, Inc.                                                            | 15/11/2016 | 3377751 | 16866948.9 |        |
| 3377777 | Baier & Michels GmbH & Co. KG                                                    | 15/11/2016 | 3377777 | 16810257.2 | German |
| 3377957 | Microsoft Technology Licensing, LLC                                              | 15/11/2016 | 3377957 | 16805934.3 |        |
| 3378102 | EDF ENR PWT<br>Commissariat à l'Energie Atomique et<br>aux Energies Alternatives | 14/11/2016 | 3378102 | 16795072.4 | French |

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|---------|---------------------------------------|------------|---------|------------|--------|
| 3378475 | Angeletti, Barbara                    | 19/03/2018 | 3378475 | 18162612.8 |        |
|         | Livieri, Federica                     |            |         |            |        |
| 3378583 | Sintokogio, Ltd.                      | 16/11/2015 | 3378583 | 15908705.5 |        |
|         | Fujiwa Denki Co., Ltd.                |            |         |            |        |
| 3378990 | Green Arm Co., Ltd.                   | 04/11/2016 | 3378990 | 16862190.2 |        |
|         | Toyo Aluminium K.K.                   |            |         |            |        |
| 3379046 | Volvo Car Corporation                 | 24/03/2017 | 3379046 | 17162772.2 |        |
| 3379626 | LG Chem, Ltd.                         | 02/02/2017 | 3379626 | 17747754.4 |        |
| 3379913 | Fuji Corporation                      | 20/11/2015 | 3379913 | 15908805.3 |        |
| 3380008 | Arterys Inc.                          | 29/11/2016 | 3380008 | 16869358.8 |        |
| 3380016 | Trixell                               | 23/11/2016 | 3380016 | 16800962.9 | French |
| 3380184 | Owen Mumford Limited                  | 23/11/2016 | 3380184 | 16822714.8 |        |
| 3380801 | Université Toulouse III-Paul Sabatier | 22/11/2016 | 3380801 | 16813002.9 | French |
|         | Institut National des Sciences        |            |         |            |        |
|         | Appliquées de Toulouse                |            |         |            |        |
| 3381056 | Commissariat à l'Énergie Atomique et  | 25/11/2016 | 3381056 | 16801467.8 | French |
|         | aux Énergies Alternatives             |            |         |            |        |
| 3381219 | Telefonaktiebolaget LM Ericsson       | 24/11/2015 | 3381219 | 15800812.8 |        |
|         | (PUBL)                                |            |         |            |        |
| 3381233 | NEC Corporation                       | 31/12/2015 | 3381233 | 15911958.5 |        |
| 3381490 | Tecpharma Licensing AG                | 17/07/2012 | 3381490 | 17203338.3 | German |
| 3381599 | Kawasaki Jukogyo Kabushiki Kaisha     | 15/11/2016 | 3381599 | 16868190.6 |        |
| 3381991 | Nitto Denko Corporation               | 26/10/2016 | 3381991 | 16868318.3 |        |
| 3382298 | Mitsubishi Electric Corporation       | 27/11/2015 | 3382298 | 15909297.2 |        |
| 3382369 | Industrial Cooperation Foundation Of  | 24/11/2016 | 3382369 | 16868902.4 |        |
|         | Chonbuk National University           |            |         |            |        |
| 3382829 | NGK Spark Plug Co., Ltd.              | 23/03/2018 | 3382829 | 18163686.1 |        |
| 3382910 | Nokia Solutions and Networks Oy       | 31/03/2017 | 3382910 | 17164195.4 |        |
| 3382973 | Alibaba Group Holding Limited         | 18/11/2016 | 3382973 | 16867923.1 |        |
| 3383298 | Omrix Biopharmaceuticals Ltd.         | 01/12/2016 | 3383298 | 16813142.3 |        |
|         | Ethicon, Inc.                         |            |         |            |        |
| 3383772 | Hubbell Incorporated                  | 28/11/2016 | 3383772 | 16871317.0 |        |
| 3384224 | Valeo Systemes Thermiques             | 30/11/2016 | 3384224 | 16808958.9 | French |
| 3384460 | Sony Corporation                      | 21/11/2016 | 3384460 | 16820369.3 |        |
| 3384640 | Huawei Technologies Co., Ltd.         | 22/03/2016 | 3384640 | 16880327.8 |        |
| 3385195 | Etablissements MAGYAR                 | 04/04/2018 | 3385195 | 18165594.5 | French |
| 3385754 | Textron Innovations Inc.              | 07/07/2017 | 3385754 | 17180323.2 |        |

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| 3386678 | Dürr Assembly Products GmbH                                    | 07/12/2016 | 3386678 | 16822375.8 | German |
| 3386958 | Annikki GmbH                                                   | 07/12/2016 | 3386958 | 16810305.9 |        |
|         | Novolana GmbH                                                  |            |         |            |        |
| 3387084 | Quantum Technology Group Limited                               | 24/08/2017 | 3387084 | 17801492.4 |        |
| 3387276 | Schaeffler Technologies AG & Co. KG                            | 01/12/2016 | 3387276 | 16819801.8 | German |
| 3387331 | Koninklijke Philips N.V.                                       | 10/07/2017 | 3387331 | 17742961.0 |        |
| 3388018 | Choi, Hyun Jin                                                 | 24/10/2016 | 3388018 | 16857856.5 |        |
| 3388188 | Preco, Inc.                                                    | 28/03/2018 | 3388188 | 18164567.2 |        |
| 3388337 | The Boeing Company                                             | 08/02/2018 | 3388337 | 18155880.0 |        |
| 3389051 | Huawei Technologies Co., Ltd.                                  | 18/01/2016 | 3389051 | 16885510.4 |        |
|         | Nanyang Technological University                               |            |         |            |        |
| 3389239 | Apple Inc.                                                     | 13/12/2006 | 3389239 | 18174801.3 |        |
| 3389243 | Wangsu Science & Technology Co., Ltd.                          | 16/11/2016 | 3389243 | 16908676.6 |        |
| 3389446 | Paul Hettich GmbH & Co. KG                                     | 16/12/2016 | 3389446 | 16812954.2 | German |
| 3389789 | L'Oréal                                                        | 14/12/2016 | 3389789 | 16822398.0 |        |
| 3389792 | Henkel AG & Co. KGaA                                           | 15/12/2016 | 3389792 | 16819855.4 | German |
| 3390029 | Bridgestone Americas Tire Operations, LLC                      | 01/12/2016 | 3390029 | 16876375.3 |        |
| 3390076 | Compagnie Générale des Etablissements Michelin                 | 14/12/2016 | 3390076 | 16819625.1 | French |
| 3390078 | Compagnie Générale des Etablissements Michelin                 | 14/12/2016 | 3390078 | 16819627.7 | French |
| 3390096 | Compagnie Générale des Etablissements Michelin                 | 14/12/2016 | 3390096 | 16825496.9 | French |
| 3390107 | Compagnie Générale des Etablissements Michelin                 | 14/12/2016 | 3390107 | 16825515.6 | French |
| 3390367 | The Board of Trustees of the Leland Stanford Junior University | 09/12/2016 | 3390367 | 16876427.2 |        |
| 3390395 | Loxo Oncology, Inc.                                            | 16/12/2016 | 3390395 | 16816363.2 |        |
| 3390489 | Construction Research & Technology GmbH                        | 16/12/2016 | 3390489 | 16826708.6 |        |
| 3390728 | PRINOTH S.p.A.                                                 | 14/12/2016 | 3390728 | 16834033.9 |        |
| 3391160 | Vertiv Corporation                                             | 18/12/2015 | 3391160 | 15823470.8 |        |
| 3391221 | Microsoft Technology Licensing, LLC                            | 09/12/2016 | 3391221 | 16819251.6 |        |
| 3391758 | Japan Tobacco Inc.                                             | 18/12/2015 | 3391758 | 15910769.7 |        |

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| 3391816 | The University of Florida Research Foundation Incorporated<br>Convergent Engineering, Inc. | 28/12/2010 | 3391816 | 18164800.7 |        |
| 3392408 | Izadpanahi, Mohammad                                                                       | 20/04/2018 | 3392408 | 18168549.6 | German |
| 3392413 | Chinforce B.V.                                                                             | 18/04/2018 | 3392413 | 18167977.0 |        |
| 3392503 | Senvion GmbH                                                                               | 17/04/2018 | 3392503 | 18167688.3 | German |
| 3393070 | LG Electronics Inc.                                                                        | 16/12/2016 | 3393070 | 16876077.5 |        |
| 3393833 | PSA AUTOMOBILES S.A.                                                                       | 17/11/2016 | 3393833 | 16815877.2 | French |
| 3394367 | EC2M                                                                                       | 20/12/2016 | 3394367 | 16826408.3 | French |
| 3394676 | ASML Netherlands B.V.                                                                      | 17/11/2016 | 3394676 | 16797561.4 |        |
| 3395117 | HFI Innovation Inc.                                                                        | 16/02/2017 | 3395117 | 17752681.1 |        |
| 3395538 | Norgren AG                                                                                 | 26/04/2018 | 3395538 | 18169476.1 | German |
| 3395595 | PSA Automobiles SA                                                                         | 16/03/2018 | 3395595 | 18162410.7 |        |
| 3395684 | The Boeing Company                                                                         | 24/04/2018 | 3395684 | 18168957.1 |        |
| 3396296 | VALEO AUTOSYSTEMY Sp. z o.o.                                                               | 28/04/2017 | 3396296 | 17461529.4 |        |
| 3396336 | Düperthal Sicherheitstechnik GmbH & Co.KG                                                  | 09/03/2018 | 3396336 | 18161070.0 | German |
| 3397188 | Stryker Corporation                                                                        | 29/12/2016 | 3397188 | 16829205.0 |        |
| 3397281 | Outlook Therapeutics, Inc.                                                                 | 28/12/2016 | 3397281 | 16826865.4 |        |
| 3397291 | Zobebe Holding SpA                                                                         | 28/12/2016 | 3397291 | 16843288.8 |        |
| 3398249 | Illinois Tool Works, Inc.                                                                  | 09/12/2016 | 3398249 | 16823386.4 |        |
| 3398270 | Imperial College Of Science, Technology And Medicine<br>Thales<br>Institut Mines-Télécom   | 29/12/2016 | 3398270 | 16831623.0 | French |
| 3398277 | Telefonaktiebolaget LM Ericsson (PUBL)                                                     | 08/11/2017 | 3398277 | 17804469.9 |        |
| 3398378 | Deutsche Telekom AG                                                                        | 23/12/2016 | 3398378 | 16820292.7 | German |
| 3398420 | Deere & Company                                                                            | 26/04/2018 | 3398420 | 18169497.7 | German |

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| 3398610 | Université Paris 6 Pierre et Marie Curie<br>Consejo Nacional De Investigaciones<br>Cientificas Y Tecnicas (Conicet)<br>INSERM (Institut National de la Santé<br>et de la Recherche Médicale)<br>Universidad Católica de Córdoba<br>(UCC)<br>ASSISTANCE PUBLIQUE -<br>HÔPITAUX DE PARIS | 05/07/2013 | 3398610 | 18176440.8 |        |
| 3398752 | XYZprinting, Inc.<br>Kinpo Electronics, Inc.                                                                                                                                                                                                                                           | 02/10/2017 | 3398752 | 17194303.8 |        |
| 3398953 | Universal Display Corporation                                                                                                                                                                                                                                                          | 03/05/2018 | 3398953 | 18170637.5 |        |
| 3399059 | United Technologies Corporation                                                                                                                                                                                                                                                        | 27/04/2018 | 3399059 | 18169918.2 |        |
| 3399155 | Pratt & Whitney Canada Corp.                                                                                                                                                                                                                                                           | 02/05/2018 | 3399155 | 18170451.1 |        |
| 3399454 | CrowdStrike, Inc.                                                                                                                                                                                                                                                                      | 12/04/2018 | 3399454 | 18166930.0 |        |
| 3399644 | Daikin Industries, Ltd.                                                                                                                                                                                                                                                                | 10/11/2016 | 3399644 | 16881541.3 |        |
| 3399645 | MITSUBISHI ELECTRIC<br>CORPORATION                                                                                                                                                                                                                                                     | 09/03/2017 | 3399645 | 17885441.0 |        |
| 3399756 | Dolby International AB                                                                                                                                                                                                                                                                 | 11/04/2008 | 3399756 | 18172263.8 |        |
| 3399854 | Oxbo International Corporation                                                                                                                                                                                                                                                         | 05/01/2017 | 3399854 | 17701215.0 |        |
| 3399978 | Celgene Corporation                                                                                                                                                                                                                                                                    | 06/01/2017 | 3399978 | 17736396.7 |        |
| 3400151 | PSA AUTOMOBILES S.A.                                                                                                                                                                                                                                                                   | 21/12/2016 | 3400151 | 16826427.3 | French |
| 3400164 | Vestdavit Gruppen AS                                                                                                                                                                                                                                                                   | 09/01/2017 | 3400164 | 17736180.5 |        |
| 3400404 | Signify Holding B.V.                                                                                                                                                                                                                                                                   | 22/12/2016 | 3400404 | 16882440.7 |        |
| 3400411 | Electrolux Home Products, Inc.                                                                                                                                                                                                                                                         | 04/01/2017 | 3400411 | 17700468.6 |        |
| 3400655 | Telefonaktiebolaget LM Ericsson (publ)                                                                                                                                                                                                                                                 | 06/01/2016 | 3400655 | 16700108.0 |        |
| 3400938 | Universidade de Évora                                                                                                                                                                                                                                                                  | 27/04/2018 | 3400938 | 18169956.2 |        |
| 3401182 | Veoneer Sweden AB                                                                                                                                                                                                                                                                      | 09/05/2017 | 3401182 | 17170139.4 |        |
| 3401257 | Inventio AG                                                                                                                                                                                                                                                                            | 11/05/2017 | 3401257 | 17170707.8 |        |
| 3402157 | Oberthur Cash Protection                                                                                                                                                                                                                                                               | 09/05/2018 | 3402157 | 18171631.7 | French |
| 3402253 | Huawei Technologies Co. Ltd.                                                                                                                                                                                                                                                           | 06/02/2018 | 3402253 | 18746065.4 |        |
| 3402281 | Yulong Computer Telecommunication<br>Scientific (Shenzhen) Co., Ltd.                                                                                                                                                                                                                   | 30/07/2016 | 3402281 | 16883123.8 |        |
| 3403710 | Donaldson Company, Inc.                                                                                                                                                                                                                                                                | 17/07/2008 | 3403710 | 18156536.7 |        |
| 3403745 | MTU Aero Engines AG                                                                                                                                                                                                                                                                    | 02/05/2018 | 3403745 | 18170298.6 | German |
| 3404000 | BLH Technologies Inc.                                                                                                                                                                                                                                                                  | 30/01/2013 | 3404000 | 18181858.4 |        |
| 3404012 | ARKEMA FRANCE                                                                                                                                                                                                                                                                          | 18/05/2017 | 3404012 | 17305582.3 |        |

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| 3404247 | T.RAD Co., Ltd.                                                         | 11/01/2017 | 3404247 | 17738584.6 |        |
| 3404419 | Hitachi High-Tech Corporation                                           | 02/12/2016 | 3404419 | 16885058.4 |        |
| 3404434 | Siemens Healthcare GmbH                                                 | 19/05/2017 | 3404434 | 17171951.1 | German |
| 3404835 | Semtech Corporation                                                     | 21/12/2017 | 3404835 | 17209755.2 |        |
| 3404922 | Huawei Technologies Co., Ltd.                                           | 07/03/2017 | 3404922 | 17836160.6 |        |
| 3405115 | Canon Kabushiki Kaisha                                                  | 13/01/2017 | 3405115 | 17702694.5 |        |
| 3405242 | Funai Electric Co., Ltd.                                                | 17/01/2017 | 3405242 | 17703467.5 |        |
| 3405440 | OCV Intellectual Capital, LLC                                           | 10/01/2017 | 3405440 | 17703490.7 |        |
| 3406113 | Jaquet Technology Group AG                                              | 11/01/2017 | 3406113 | 17729759.5 |        |
|         | Fraunhofer-Gesellschaft zur Förderung<br>der angewandten Forschung e.V. |            |         |            |        |
| 3406201 | Karl Storz SE & Co. KG                                                  | 15/05/2018 | 3406201 | 18000458.2 |        |
| 3406501 | Bombardier Transportation GmbH                                          | 16/05/2018 | 3406501 | 18172654.8 | German |
| 3406760 | United Technologies Corporation                                         | 25/05/2018 | 3406760 | 18174249.5 |        |
| 3406806 | Hans Sasserath GmbH & Co. KG.                                           | 24/05/2018 | 3406806 | 18174102.6 | German |
| 3407096 | Beijing Xiaomi Mobile Software Co.,<br>Ltd.                             | 24/05/2018 | 3407096 | 18174178.6 |        |
| 3407458 | Contemporary Amperex Technology<br>Co., Limited                         | 25/05/2018 | 3407458 | 18275071.1 |        |
| 3407615 | Go!Foton Holdings, Inc.                                                 | 21/05/2018 | 3407615 | 18173451.8 |        |
| 3407840 | B-Temia Inc.                                                            | 25/01/2017 | 3407840 | 17743510.4 |        |
| 3408101 | Hewlett-Packard Development<br>Company, L.P.                            | 29/01/2016 | 3408101 | 16701970.2 |        |
| 3408467 | Protektorwerk Florenz Maisch GmbH<br>& Co. KG                           | 26/10/2017 | 3408467 | 17791072.6 | German |
| 3408489 | Weatherford Technology Holdings,<br>LLC                                 | 24/01/2017 | 3408489 | 17703292.7 |        |
| 3408576 | Fiberbuilt Manufacturing Inc.                                           | 30/01/2017 | 3408576 | 17743541.9 |        |
| 3409127 | Ali Group S.r.l. - Carpigiani                                           | 28/05/2018 | 3409127 | 18174534.0 |        |
| 3409311 | Sumitomo Rubber Industries, Ltd.                                        | 24/01/2018 | 3409311 | 18153254.0 |        |
| 3409670 | Array Biopharma, Inc.                                                   | 12/11/2013 | 3409670 | 17210335.0 |        |
| 3409930 | Yamabiko Corporation                                                    | 01/06/2018 | 3409930 | 18175464.9 |        |
| 3410124 | The Regents of the University of<br>California                          | 08/02/2013 | 3410124 | 18178872.0 |        |
| 3410364 | Ricoh Company, Limited                                                  | 25/05/2018 | 3410364 | 18174228.9 |        |

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|---------|-----------------------------------------------------------------------------------------------------------------|------------|---------|------------|--------|
| 3410832 | AUTONETWORKS<br>TECHNOLOGIES, LTD.<br>SUMITOMO WIRING SYSTEMS,<br>LTD.<br>SUMITOMO ELECTRIC<br>INDUSTRIES, LTD. | 26/09/2012 | 3410832 | 18184722.9 |        |
| 3411038 | Astrazeneca AB                                                                                                  | 31/01/2017 | 3411038 | 17703696.9 |        |
| 3411237 | Hewlett-Packard Development<br>Company, L.P.                                                                    | 05/02/2016 | 3411237 | 16889616.5 |        |
| 3411308 | Constantia Teich GmbH                                                                                           | 01/02/2017 | 3411308 | 17702384.3 | German |
| 3411491 | Lanzatech New Zealand Limited                                                                                   | 03/02/2017 | 3411491 | 17748284.1 |        |
| 3411569 | UFI Filters S.p.A.                                                                                              | 01/02/2017 | 3411569 | 17711320.6 |        |
| 3412142 | Daiki Co., Ltd.                                                                                                 | 01/02/2016 | 3412142 | 16889215.6 |        |
| 3412523 | Valeo Systèmes d'Essuyage                                                                                       | 23/05/2018 | 3412523 | 18173737.0 | French |
| 3412561 | Microtecnica S.r.l.                                                                                             | 07/06/2017 | 3412561 | 17174822.1 |        |
| 3413046 | SYSMEX CORPORATION                                                                                              | 06/06/2018 | 3413046 | 18176262.6 |        |
| 3413101 | LG Chem, Ltd.                                                                                                   | 27/09/2017 | 3413101 | 17856744.2 |        |
| 3413334 | Evonik Operations GmbH                                                                                          | 01/06/2017 | 3413334 | 17197538.6 | German |
| 3413549 | Xiaomi Inc.                                                                                                     | 29/12/2015 | 3413549 | 18187324.1 |        |
| 3413599 | Ricoh Company, Ltd.                                                                                             | 30/05/2018 | 3413599 | 18175047.2 |        |
| 3413682 | HTC Corporation                                                                                                 | 30/05/2018 | 3413682 | 18175184.3 |        |
| 3413941 | Beta Cell Technologies Pty Ltd                                                                                  | 19/10/2017 | 3413941 | 17861487.1 |        |
| 3414072 | voestalpine Stahl GmbH<br>voestalpine Metal Forming GmbH                                                        | 07/02/2017 | 3414072 | 17707480.4 | German |
| 3414131 | Scania CV AB                                                                                                    | 07/02/2017 | 3414131 | 17750519.5 |        |
| 3414132 | Gordon Murray Design Limited                                                                                    | 24/01/2017 | 3414132 | 17701317.4 |        |
| 3414632 | Phoenix Contact GmbH & Co. KG                                                                                   | 03/02/2017 | 3414632 | 17703144.0 | German |
| 3414792 | Microsoft Technology Licensing, LLC                                                                             | 31/01/2017 | 3414792 | 17704633.1 |        |
| 3414874 | Huawei Technologies Co., Ltd.                                                                                   | 02/03/2017 | 3414874 | 17759276.3 |        |
| 3415678 | Whirlpool Corporation                                                                                           | 26/03/2018 | 3415678 | 18164014.5 |        |
| 3415873 | Advanced Telecommunications<br>Research Institute International                                                 | 10/02/2017 | 3415873 | 17750372.9 |        |
| 3416456 | Eberspächer catem GmbH & Co. KG                                                                                 | 12/06/2018 | 3416456 | 18177252.6 | German |
| 3416574 | Backbone                                                                                                        | 15/02/2017 | 3416574 | 17710325.6 | French |

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| 3416955 | Institut National de la Santé et de la<br>Recherche Médicale (INSERM)<br>Assistance Publique - Hôpitaux de Paris<br>Sorbonne Université | 14/02/2017 | 3416955 | 17704274.4 |        |
| 3417244 | Continental Teves AG & Co. OHG                                                                                                          | 14/02/2017 | 3417244 | 17705598.5 | German |
| 3417250 | Universidad De Zaragoza<br>Universiteit Twente                                                                                          | 15/02/2017 | 3417250 | 17712557.2 |        |
| 3417559 | Qualcomm Incorporated                                                                                                                   | 09/01/2017 | 3417559 | 17701629.2 |        |
| 3417897 | Löwenstein Medical Technology S.A.                                                                                                      | 15/06/2018 | 3417897 | 18000526.6 | German |
| 3418003 | TOHNICHI MFG. CO., LTD.                                                                                                                 | 21/01/2015 | 3418003 | 18181233.0 |        |
| 3418088 | Hitachi, Ltd.                                                                                                                           | 18/10/2013 | 3418088 | 18187319.1 |        |
| 3418099 | Parker Hannifin Corporation                                                                                                             | 13/02/2014 | 3418099 | 18186044.6 |        |
| 3418206 | Qingdao Haikajia Intelligent Equipment<br>Technology Co., Ltd.                                                                          | 24/10/2017 | 3418206 | 17885842.9 |        |
| 3418439 | Herbert Kannegiesser GmbH                                                                                                               | 05/06/2018 | 3418439 | 18000495.4 | German |
| 3418609 | Eagle Industry Co., Ltd.                                                                                                                | 15/02/2017 | 3418609 | 17753185.2 |        |
| 3419130 | Aptiv Technologies Limited                                                                                                              | 11/06/2018 | 3419130 | 18177121.3 |        |
| 3419451 | ARENA ITALIA S.P.A.                                                                                                                     | 22/02/2016 | 3419451 | 16707221.4 |        |
| 3419696 | Neomed, Inc.                                                                                                                            | 22/02/2017 | 3419696 | 17709267.3 |        |
| 3420074 | VIB VZW<br>Vrije Universiteit Brussel<br>Universiteit Gent                                                                              | 22/02/2017 | 3420074 | 17706757.6 |        |
| 3420303 | Olcon Engineering AB                                                                                                                    | 21/02/2017 | 3420303 | 17756923.3 |        |
| 3420456 | Trusona, Inc.                                                                                                                           | 24/02/2017 | 3420456 | 17757353.2 |        |
| 3420489 | Carbon Black, Inc.                                                                                                                      | 23/02/2017 | 3420489 | 17709539.5 |        |
| 3420734 | Oxford University Innovation Limited                                                                                                    | 24/02/2017 | 3420734 | 17709740.9 |        |
| 3421316 | UATC, LLC<br>Volvo Car Corporation                                                                                                      | 21/06/2018 | 3421316 | 18179015.5 |        |
| 3421334 | Mazda Motor Corporation                                                                                                                 | 24/03/2017 | 3421334 | 17845748.7 |        |
| 3421536 | Bridgestone Corporation                                                                                                                 | 21/02/2017 | 3421536 | 17756476.2 |        |
| 3421659 | Herbert Kannegiesser GmbH                                                                                                               | 06/06/2018 | 3421659 | 18000500.1 | German |
| 3421735 | Rolls-Royce plc                                                                                                                         | 01/05/2018 | 3421735 | 18170240.8 |        |
| 3421813 | Mitsubishi Heavy Industries Engine &<br>Turbocharger, Ltd.                                                                              | 31/03/2016 | 3421813 | 16896984.8 |        |
| 3421832 | Valeo Embrayages                                                                                                                        | 18/06/2018 | 3421832 | 18178355.6 | French |
| 3422004 | Sekisui Medical Co., Ltd.                                                                                                               | 23/02/2017 | 3422004 | 17756565.2 |        |

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|---------|-------------------------------------------------------------------------------------|------------|---------|------------|--------|
| 3422070 | Panasonic Intellectual Property Management Co., Ltd.                                | 30/11/2016 | 3422070 | 16891369.7 |        |
| 3422344 | Samsung Electronics Co., Ltd.                                                       | 26/06/2018 | 3422344 | 18179831.5 |        |
| 3422414 | LG Display Co., Ltd.                                                                | 28/06/2018 | 3422414 | 18180280.2 |        |
| 3422797 | LG Electronics Inc.                                                                 | 24/02/2017 | 3422797 | 17756861.5 |        |
| 3422901 | Oelschläger Metalltechnik GmbH                                                      | 09/02/2017 | 3422901 | 17708415.9 | German |
| 3423269 | Adler Pelzer Holding GmbH                                                           | 17/02/2017 | 3423269 | 17707497.8 | German |
| 3423300 | Cadea Gesellschaft Für Anwendung Und Realisierung Computerunterstützter Systeme Mbh | 20/01/2017 | 3423300 | 17700977.6 | German |
| 3423545 | Merck Patent GmbH                                                                   | 07/02/2017 | 3423545 | 17704665.3 |        |
| 3423890 | Verily Life Sciences LLC                                                            | 15/02/2017 | 3423890 | 17708063.7 |        |
| 3424295 | CNH Industrial Belgium NV                                                           | 02/07/2018 | 3424295 | 18181195.1 |        |
| 3424713 | CANON KABUSHIKI KAISHA                                                              | 03/07/2018 | 3424713 | 18181343.7 |        |
| 3424714 | CANON KABUSHIKI KAISHA                                                              | 03/07/2018 | 3424714 | 18181346.0 |        |
| 3424716 | CANON KABUSHIKI KAISHA                                                              | 03/07/2018 | 3424716 | 18181423.7 |        |
| 3424727 | CANON KABUSHIKI KAISHA                                                              | 05/07/2018 | 3424727 | 18181845.1 |        |
| 3424728 | CANON KABUSHIKI KAISHA                                                              | 06/07/2018 | 3424728 | 18182127.3 |        |
| 3424729 | CANON KABUSHIKI KAISHA                                                              | 03/07/2018 | 3424729 | 18181344.5 |        |
| 3424790 | Volvo Car Corporation                                                               | 06/07/2017 | 3424790 | 17180036.0 |        |
| 3424800 | Volvo Car Corporation                                                               | 03/07/2017 | 3424800 | 17179228.6 |        |
| 3424801 | Valeo Schalter und Sensoren GmbH                                                    | 28/05/2018 | 3424801 | 18174528.2 | German |
| 3424978 | Mitsubishi Gas Chemical Company, Inc.                                               | 21/02/2017 | 3424978 | 17759742.4 |        |
| 3425399 | Chembio Diagnostic Systems, Inc.                                                    | 10/03/2006 | 3425399 | 18188944.5 |        |
| 3425624 | Apple Inc.                                                                          | 24/09/2010 | 3425624 | 18188433.9 |        |
| 3426104 | HKD Solutions Ltd                                                                   | 06/03/2017 | 3426104 | 17716974.5 |        |
| 3426124 | 1a Dienstleistungs, Handels und Service GmbH                                        | 10/03/2017 | 3426124 | 17712044.1 | German |
| 3426618 | SAINT-GOBAIN GLASS FRANCE                                                           | 22/02/2017 | 3426618 | 17705667.8 | German |
| 3427244 | SHL Medical AG                                                                      | 24/01/2017 | 3427244 | 17704402.1 |        |
| 3427339 | Sivantos Pte. Ltd.                                                                  | 03/03/2017 | 3427339 | 17712928.5 | German |
| 3427457 | ORANGE                                                                              | 13/03/2017 | 3427457 | 17713751.0 | French |
| 3427837 | EXEL INDUSTRIES                                                                     | 12/07/2018 | 3427837 | 18183239.5 | French |
| 3427981 | RENAULT s.a.s.                                                                      | 05/07/2018 | 3427981 | 18181836.0 | French |
| 3427988 | Valeo Systemes Thermiques-THS                                                       | 04/07/2018 | 3427988 | 18181613.3 | French |

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| 3428014 | Clearview Property Management Pty Ltd.                                               | 12/07/2018 | 3428014 | 18183073.8 |        |
| 3428061 | Ratier-Figeac SAS                                                                    | 13/07/2017 | 3428061 | 17305938.7 |        |
| 3428119 | Diehl Aviation Gilching GmbH                                                         | 14/07/2017 | 3428119 | 17181384.3 |        |
| 3428586 | CSEM Centre Suisse d'Electronique et de Microtechnique SA                            | 14/07/2017 | 3428586 | 17181439.5 |        |
| 3428685 | Mitsubishi Electric Corporation                                                      | 05/04/2016 | 3428685 | 16897856.7 |        |
| 3428768 | NXP B.V.                                                                             | 05/07/2018 | 3428768 | 18182062.2 |        |
| 3428971 | NXP B.V.                                                                             | 12/07/2017 | 3428971 | 17180985.8 |        |
| 3428981 | Atsumitec Co., Ltd.                                                                  | 07/03/2017 | 3428981 | 17763257.7 |        |
| 3429039 | Moxa Inc.                                                                            | 14/07/2017 | 3429039 | 17181329.8 |        |
| 3429202 | GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.                                 | 10/07/2018 | 3429202 | 18182585.2 |        |
| 3429377 | Golden Omega Norway AS                                                               | 15/03/2017 | 3429377 | 17727684.7 |        |
| 3429452 | Milanese, Pier Antonio                                                               | 14/03/2017 | 3429452 | 17725369.7 |        |
| 3429976 | SAINT-GOBAIN PLACO                                                                   | 13/03/2017 | 3429976 | 17713363.4 | French |
| 3430147 | Institut Curie<br>INSERM (Institut National de la Santé et de la Recherche Médicale) | 16/03/2016 | 3430147 | 16710729.1 |        |
| 3430524 | CA, Inc.                                                                             | 23/12/2016 | 3430524 | 16894793.5 |        |
| 3430563 | Visa International Service Association                                               | 10/03/2017 | 3430563 | 17767229.2 |        |
| 3430966 | BSH Hausgeräte GmbH                                                                  | 11/07/2018 | 3430966 | 18182858.3 | German |
| 3431215 | Lincoln Global, Inc.                                                                 | 30/05/2018 | 3431215 | 18175115.7 |        |
| 3431430 | Inventio AG                                                                          | 20/07/2017 | 3431430 | 17182414.7 | German |
| 3431694 | Athmer OHG                                                                           | 10/07/2018 | 3431694 | 18000587.8 | German |
| 3431698 | Palagina S.r.l.                                                                      | 19/07/2018 | 3431698 | 18184485.3 |        |
| 3432523 | Huawei Technologies Co., Ltd.                                                        | 12/04/2017 | 3432523 | 17785379.3 |        |
| 3432562 | Canon Europa N.V.                                                                    | 20/07/2017 | 3432562 | 17182385.9 |        |
| 3432689 | Shenzhen Power2control Smart Tech Co., Ltd.                                          | 12/09/2016 | 3432689 | 16894150.8 |        |
| 3432794 | St. Jude Medical International Holding S.à r.l.                                      | 03/05/2017 | 3432794 | 17724641.0 |        |
| 3432846 | Microtek Medical, Inc.                                                               | 24/03/2017 | 3432846 | 17771304.7 |        |
| 3432992 | Honeywell International Inc.                                                         | 23/03/2016 | 3432992 | 16716098.5 |        |
| 3433319 | Covestro Deutschland AG                                                              | 22/03/2017 | 3433319 | 17712982.2 | German |
| 3433427 | delfortgroup AG                                                                      | 24/01/2017 | 3433427 | 17701315.8 | German |

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| 3433618 | Université de Liège                                          | 08/12/2016 | 3433618 | 16822621.5 |        |
| 3433632 | Valeo Schalter und Sensoren GmbH                             | 23/03/2017 | 3433632 | 17712999.6 | German |
| 3433699 | Hewlett-Packard Development<br>Company, L.P.                 | 28/07/2016 | 3433699 | 16910719.0 |        |
| 3434034 | Motorola Solutions, Inc.                                     | 13/03/2017 | 3434034 | 17714327.8 |        |
| 3434097 | CNH Industrial Belgium NV                                    | 27/07/2018 | 3434097 | 18185995.0 |        |
| 3434126 | Mips AB                                                      | 28/02/2017 | 3434126 | 18193278.1 |        |
| 3434233 | France Chirurgie Instrumentation SAS                         | 17/07/2018 | 3434233 | 18183951.5 | French |
| 3434306 | Biosurgical S.L.                                             | 07/11/2013 | 3434306 | 18196343.0 |        |
| 3434312 | Terumo Kabushiki Kaisha                                      | 17/03/2017 | 3434312 | 17770164.6 |        |
| 3434352 | ULT AG                                                       | 07/06/2018 | 3434352 | 18176441.6 | German |
| 3434453 | Mitsubishi Heavy Industries, Ltd.                            | 06/04/2017 | 3434453 | 17789206.4 |        |
| 3434502 | Inalfa Roof Systems Group B.V.                               | 25/07/2017 | 3434502 | 17182934.4 |        |
| 3434515 | Minda KTSN Plastic Solution GmbH &<br>Co. KG                 | 24/07/2018 | 3434515 | 18185095.9 | German |
| 3434539 | Robert Bosch GmbH                                            | 05/07/2018 | 3434539 | 18181857.6 | German |
| 3434649 | Ingenieurbüro Bokatec                                        | 08/05/2018 | 3434649 | 18171156.5 | German |
| 3435209 | GUANGDONG OPPO MOBILE<br>TELECOMMUNICATIONS CORP.,<br>LTD.   | 27/07/2018 | 3435209 | 18186086.7 |        |
| 3435349 | Beijing Xiaomi Mobile Software Co.,<br>Ltd.                  | 10/04/2018 | 3435349 | 18166452.5 |        |
| 3435362 | CSEM Centre Suisse d'Electronique et<br>de Microtechnique SA | 17/07/2018 | 3435362 | 18184006.7 | French |
| 3435794 | Philip Morris Products S.A.                                  | 28/02/2017 | 3435794 | 17707058.8 |        |
| 3437172 | Qualcomm Incorporated                                        | 24/02/2017 | 3437172 | 17710815.6 |        |
| 3437333 | Med-El Elektromedizinische Geraete<br>GmbH                   | 29/03/2017 | 3437333 | 17776518.7 |        |
| 3437365 | QUALCOMM Incorporated                                        | 31/03/2017 | 3437365 | 17719394.3 |        |
| 3437447 | Amazonen-Werke H. Dreyer GmbH &<br>Co. KG                    | 25/07/2018 | 3437447 | 18401064.3 | German |
| 3437767 | LG Chem, Ltd.                                                | 03/04/2017 | 3437767 | 17775935.4 |        |
| 3437835 | Whitestone Co., Ltd.                                         | 28/09/2017 | 3437835 | 17193839.2 |        |
| 3437950 | Vermolen Amusement Nederland B.V.                            | 24/07/2018 | 3437950 | 18185238.5 |        |
| 3438373 | Fundación Tecnia Research &<br>Innovation                    | 03/08/2017 | 3438373 | 17382541.5 |        |
| 3438673 | Hitachi High-Tech Corporation                                | 19/01/2017 | 3438673 | 17773523.0 |        |

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| 3438805 | Honda Motor Co., Ltd.                                                                                                      | 15/02/2017 | 3438805 | 17773778.0 |        |
| 3438862 | CANON KABUSHIKI KAISHA                                                                                                     | 30/07/2018 | 3438862 | 18186218.6 |        |
| 3438923 | CANON KABUSHIKI KAISHA                                                                                                     | 30/07/2018 | 3438923 | 18186395.2 |        |
| 3439253 | MBDA Deutschland GmbH                                                                                                      | 31/07/2018 | 3439253 | 18186516.3 | German |
| 3439325 | BlackBerry Limited                                                                                                         | 31/07/2018 | 3439325 | 18186606.2 |        |
| 3439583 | Bolton Medical, Inc.                                                                                                       | 04/04/2017 | 3439583 | 17718255.7 |        |
| 3440264 | PRINOTH S.p.A.                                                                                                             | 07/04/2017 | 3440264 | 17726146.8 |        |
| 3440632 | Koninklijke Philips N.V.                                                                                                   | 22/03/2017 | 3440632 | 17712148.0 |        |
| 3440928 | DOGSTYLER Soest GmbH                                                                                                       | 25/07/2018 | 3440928 | 18185510.7 | German |
| 3441111 | Oticon Medical A/S                                                                                                         | 30/07/2018 | 3441111 | 18186271.5 |        |
| 3441289 | Valeo Schalter und Sensoren GmbH                                                                                           | 07/08/2018 | 3441289 | 18187645.9 | German |
| 3441434 | Pidilite Industries Limited                                                                                                | 10/10/2017 | 3441434 | 17195785.5 |        |
| 3441600 | Yanmar Co., Ltd.                                                                                                           | 04/04/2017 | 3441600 | 17779128.2 |        |
| 3441681 | Miele & Cie. KG                                                                                                            | 26/07/2018 | 3441681 | 18185724.4 | German |
| 3441724 | HERE Global B.V.                                                                                                           | 27/07/2018 | 3441724 | 18186183.2 |        |
| 3442422 | Dedicated2Imaging, LLC                                                                                                     | 11/04/2017 | 3442422 | 17719125.1 |        |
| 3442558 | Chondroptix B.V.                                                                                                           | 31/03/2017 | 3442558 | 17715117.2 |        |
| 3442737 | Audi AG                                                                                                                    | 10/07/2017 | 3442737 | 17739194.3 | German |
| 3443243 | PSA AUTOMOBILES S.A.                                                                                                       | 13/03/2017 | 3443243 | 17713750.2 | French |
| 3443970 | Tecnifar-Indústria Técnica<br>Farmacêutica, S.A.<br>Technophage, Investigação E<br>Desenvolvimento Em Biotecnologia,<br>SA | 19/09/2011 | 3443970 | 18192766.6 |        |
| 3444130 | Sumitomo Rubber Industries, Ltd.                                                                                           | 06/07/2018 | 3444130 | 18182146.3 |        |
| 3444267 | National Institute of Advanced<br>Industrial Science and Technology<br>TOKYO MEDICAL UNIVERSITY                            | 09/09/2011 | 3444267 | 18194507.2 |        |
| 3444481 | BorgWarner, Inc.                                                                                                           | 05/06/2015 | 3444481 | 18197637.4 | German |
| 3444489 | Tocalo Co., Ltd.<br>NSK Ltd.                                                                                               | 12/04/2017 | 3444489 | 17782447.1 |        |
| 3444589 | Delphi Technologies IP Limited                                                                                             | 13/07/2018 | 3444589 | 18183355.9 |        |
| 3444968 | LG Electronics Inc.                                                                                                        | 28/11/2011 | 3444968 | 18198290.1 |        |
| 3445275 | Kulzer GmbH                                                                                                                | 12/04/2017 | 3445275 | 17719522.9 | German |
| 3445382 | Société d'Exploitation de Produits pour<br>les Industries Chimiques SEPPIC                                                 | 24/02/2017 | 3445382 | 17706820.2 |        |
| 3445506 | FIVES DMS                                                                                                                  | 14/04/2017 | 3445506 | 17717717.7 | French |

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| 3445681 | Weber Maschinenbau GmbH<br>Breidenbach                                                                 | 24/04/2017 | 3445681 | 17719836.3 | German |
| 3445818 | Rohm and Haas Company                                                                                  | 19/04/2017 | 3445818 | 17722924.2 |        |
| 3446014 | Primetals Technologies Austria GmbH                                                                    | 16/03/2017 | 3446014 | 17710317.3 | German |
| 3446404 | Microchip Technology Incorporated                                                                      | 20/04/2017 | 3446404 | 17720960.8 |        |
| 3446429 | QUALCOMM Incorporated                                                                                  | 21/03/2017 | 3446429 | 17715852.4 |        |
| 3446781 | Nissan Motor Co., Ltd.<br>Tanaka Kikinzoku Kogyo K.K.<br>NIPPON STEEL Chemical & Material<br>Co., Ltd. | 06/04/2017 | 3446781 | 17785817.2 |        |
| 3446800 | JFE Steel Corporation                                                                                  | 18/04/2017 | 3446800 | 17785958.4 |        |
| 3446847 | Bridgestone Corporation                                                                                | 18/04/2017 | 3446847 | 17785957.6 |        |
| 3446878 | Konica Minolta, Inc.                                                                                   | 15/03/2017 | 3446878 | 17785705.9 |        |
| 3447311 | BorgWarner, Inc.                                                                                       | 05/06/2015 | 3447311 | 18197621.8 | German |
| 3447312 | BorgWarner, Inc.                                                                                       | 05/06/2015 | 3447312 | 18197629.1 | German |
| 3447353 | IFP Energies nouvelles                                                                                 | 05/07/2018 | 3447353 | 18305892.4 | French |
| 3447392 | Daikin Industries, Ltd.                                                                                | 28/02/2017 | 3447392 | 17785656.4 |        |
| 3448100 | Huawei Technologies Co., Ltd.                                                                          | 10/05/2016 | 3448100 | 16901237.4 |        |
| 3448122 | Self Electronics Co., Ltd.<br>SELF ELECTRONICS Germany<br>GmbH<br>Lin, Wanjiang                        | 26/06/2018 | 3448122 | 18179895.0 |        |
| 3448554 | Helmholtz-Zentrum für<br>Umweltforschung GmbH - UFZ                                                    | 25/04/2016 | 3448554 | 16720083.1 | German |
| 3448897 | Basell Poliolefine Italia S.r.l.                                                                       | 24/04/2017 | 3448897 | 17718105.4 |        |
| 3448932 | Covestro Deutschland AG                                                                                | 25/04/2017 | 3448932 | 17718383.7 | German |
| 3449216 | TDK-Micronas GmbH                                                                                      | 29/04/2016 | 3449216 | 16731024.2 | German |
| 3449543 | Futech                                                                                                 | 28/04/2017 | 3449543 | 17726700.2 |        |
| 3449750 | NIKE Innovate C.V.                                                                                     | 30/07/2015 | 3449750 | 18201901.8 |        |
| 3450593 | Collini Holding AG                                                                                     | 09/08/2018 | 3450593 | 18188344.8 | German |
| 3450811 | NORMA Germany GmbH                                                                                     | 27/05/2015 | 3450811 | 18201364.9 | German |
| 3452485 | Oncoarendi Therapeutics SA                                                                             | 02/05/2017 | 3452485 | 17721137.2 |        |
| 3452871 | Essilor International                                                                                  | 27/04/2017 | 3452871 | 17725316.8 | French |
| 3452876 | KEBA AG                                                                                                | 05/05/2017 | 3452876 | 17730033.2 | German |
| 3453024 | TerraPower LLC                                                                                         | 01/05/2017 | 3453024 | 17734877.8 |        |
| 3453161 | INTEL Corporation                                                                                      | 02/05/2017 | 3453161 | 17721616.5 |        |
| 3453393 | Bioway., Inc                                                                                           | 13/07/2017 | 3453393 | 17827977.4 |        |

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| 3453482 | LG Chem, Ltd.                        | 05/01/2018 | 3453482 | 18739079.4 |        |
| 3453595 | Valeo Schalter und Sensoren GmbH     | 21/08/2018 | 3453595 | 18189924.6 | German |
| 3453632 | Krones AG                            | 28/03/2014 | 3453632 | 18199424.5 | German |
| 3454370 | Nokia Technologies Oy                | 11/09/2017 | 3454370 | 17190462.6 |        |
| 3454848 | H. Lundbeck A/S                      | 09/05/2017 | 3454848 | 17723326.9 |        |
| 3455050 | AUDI AG                              | 05/05/2017 | 3455050 | 17721528.2 | German |
| 3455113 | Dufour, Charles, Blaise              | 09/05/2017 | 3455113 | 17730837.6 | French |
| 3455399 | Fibertex Personal Care A/S           | 18/05/2017 | 3455399 | 17725167.5 |        |
|         | Reifenhäuser GmbH & Co. KG           |            |         |            |        |
|         | Maschinenfabrik                      |            |         |            |        |
| 3455475 | Robert Bosch GmbH                    | 03/05/2017 | 3455475 | 17723312.9 | German |
| 3455517 | Robert Bosch GmbH                    | 19/04/2017 | 3455517 | 17718364.7 | German |
| 3455527 | Fisher Controls International LLC    | 18/04/2017 | 3455527 | 17734532.9 |        |
| 3455778 | Qualcomm Incorporated                | 08/03/2017 | 3455778 | 17712903.8 |        |
| 3457217 | KYOCERA Document Solutions Inc.      | 08/12/2017 | 3457217 | 18203400.9 |        |
| 3457563 | Huawei Technologies Co., Ltd.        | 06/06/2016 | 3457563 | 16904299.1 |        |
| 3457570 | Shenzhen Goodix Technology Co., Ltd. | 19/07/2017 | 3457570 | 17898346.6 |        |
| 3457643 | Huawei Technologies Co., Ltd.        | 22/02/2017 | 3457643 | 17809537.8 |        |
| 3457689 | LG Electronics Inc.                  | 25/05/2011 | 3457689 | 18204065.9 |        |
| 3457807 | GUANGDONG OPPO MOBILE                | 20/07/2016 | 3457807 | 16909187.3 |        |
|         | TELECOMMUNICATIONS CORP.,            |            |         |            |        |
|         | LTD.                                 |            |         |            |        |
| 3458936 | Microsoft Technology Licensing, LLC  | 10/05/2017 | 3458936 | 17725810.0 |        |
| 3459838 | Torqueedo GmbH                       | 25/09/2018 | 3459838 | 18196494.1 | German |
| 3460109 | Green Energy Nano Technology Co.,    | 19/09/2018 | 3460109 | 18195499.1 |        |
|         | Ltd.                                 |            |         |            |        |
| 3460218 | Delavan, Inc.                        | 25/09/2018 | 3460218 | 18196467.7 |        |
| 3460782 | Fuchs, Reinhard                      | 13/09/2018 | 3460782 | 18194240.0 | German |
| 3461027 | LG Electronics Inc.                  | 22/01/2009 | 3461027 | 18204889.2 |        |
| 3461467 | Valeda Company Llc. (Db a Q'Straint) | 14/03/2014 | 3461467 | 18201070.2 |        |
| 3461471 | Inolex Investment Corporation        | 10/04/2007 | 3461471 | 18200336.8 |        |
| 3461563 | General Kinematics Corporation       | 26/09/2018 | 3461563 | 18196764.7 |        |
| 3461771 | Kyocera Corporation                  | 27/06/2017 | 3461771 | 17820154.7 |        |
| 3461784 | Elekta AB (PUBL)                     | 27/09/2018 | 3461784 | 18197356.1 |        |
| 3462022 | Embraco Indústria de Compressores e  | 25/01/2012 | 3462022 | 18206545.8 |        |
|         | Soluções em Refrigeração Ltda.       |            |         |            |        |
| 3462215 | General Electric Company             | 20/09/2018 | 3462215 | 18195761.4 |        |

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| 3462290 | LG Display Co., Ltd.                                    | 19/09/2018 | 3462290 | 18195406.6 |        |
| 3462442 | YAMAHA CORPORATION                                      | 28/09/2018 | 3462442 | 18197467.6 |        |
| 3462443 | YAMAHA CORPORATION                                      | 28/09/2018 | 3462443 | 18197543.4 |        |
| 3462570 | Koninklijke Philips N.V.                                | 01/07/2014 | 3462570 | 18202893.6 |        |
| 3462687 | Huawei Technologies Co., Ltd.                           | 15/05/2017 | 3462687 | 17823465.4 |        |
| 3462812 | Vestel Elektronik Sanayi ve Ticaret A.S.                | 29/09/2017 | 3462812 | 17194222.0 |        |
| 3463015 | Taylor Commercial Foodservice, Inc.                     | 30/05/2017 | 3463015 | 17729644.9 |        |
| 3463139 | Bangor University                                       | 24/05/2017 | 3463139 | 17725590.8 |        |
| 3463709 | Schuler Pressen GmbH                                    | 05/05/2017 | 3463709 | 17722728.7 |        |
| 3464023 | thyssenkrupp Presta AG<br>thyssenkrupp AG               | 17/05/2017 | 3464023 | 17724030.6 | German |
| 3464367 | AbbVie Biotherapeutics Inc.                             | 26/05/2017 | 3464367 | 17730606.5 |        |
| 3464954 | Safran Transmission Systems                             | 06/06/2017 | 3464954 | 17742467.8 | French |
| 3465044 | Valeo Systemes Thermiques                               | 05/06/2017 | 3465044 | 17733880.3 | French |
| 3465680 | Microsoft Technology Licensing, LLC                     | 24/05/2017 | 3465680 | 17733643.5 |        |
| 3465952 | Telefonaktiebolaget LM Ericsson (publ)                  | 24/05/2016 | 3465952 | 16726963.8 |        |
| 3465976 | KOBIL Systems GmbH                                      | 02/06/2016 | 3465976 | 16727473.7 |        |
| 3466367 | Aesculap AG                                             | 17/06/2015 | 3466367 | 18204465.1 | German |
| 3466396 | Trudell Medical International                           | 11/07/2014 | 3466396 | 18206232.3 |        |
| 3466761 | Ningbo Geely Automobile Research & Development Co. Ltd. | 05/10/2017 | 3466761 | 17194911.8 |        |
| 3467016 | Nippon Sheet Glass Company, Limited                     | 16/05/2017 | 3467016 | 17802631.6 |        |
| 3467406 | Mitsubishi Electric Corporation                         | 24/05/2016 | 3467406 | 16903088.9 |        |
| 3467597 | Siemens Schweiz AG                                      | 04/10/2018 | 3467597 | 18198532.6 | German |
| 3467664 | Renesas Electronics Corporation                         | 17/04/2018 | 3467664 | 18167690.9 |        |
| 3468040 | Novalia Ltd                                             | 27/01/2012 | 3468040 | 18196507.0 |        |
| 3468063 | ZTE Corporation                                         | 31/05/2017 | 3468063 | 17805855.8 |        |
| 3468094 | Huawei Technologies Co., Ltd.                           | 04/07/2018 | 3468094 | 18807542.8 |        |
| 3468110 | Huawei Technologies Co., Ltd.                           | 06/07/2016 | 3468110 | 16907809.4 |        |
| 3468351 | Lic Automation Limited                                  | 13/06/2017 | 3468351 | 17813667.7 |        |
| 3469313 | Allegro MicroSystems, LLC                               | 19/05/2017 | 3469313 | 17726475.1 |        |
| 3469554 | Koninklijke Philips N.V.                                | 31/05/2017 | 3469554 | 17734995.8 |        |
| 3469635 | Gross, Leander Kilian<br>Gross, Mascha Elly             | 25/01/2018 | 3469635 | 18704393.0 | German |
| 3470210 | XYZprinting, Inc.<br>Kinpo Electronics, Inc.            | 20/07/2018 | 3470210 | 18184595.9 |        |

|         |                                                                                          |            |         |            |        |
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| 3470638 | VOLKSWAGEN                                                                               | 27/09/2018 | 3470638 | 18197113.6 | German |
|         | AKTIENGESELLSCHAFT                                                                       |            |         |            |        |
| 3470659 | Vitesco Technologies GmbH                                                                | 13/10/2017 | 3470659 | 17196340.8 |        |
| 3470827 | Infineon Technologies Austria AG                                                         | 05/10/2018 | 3470827 | 18198983.1 |        |
| 3471146 | ams AG                                                                                   | 16/10/2017 | 3471146 | 17196609.6 |        |
| 3472478 | Schmidt Automotive GmbH                                                                  | 29/05/2017 | 3472478 | 17730690.9 | German |
| 3472899 | Weidmüller Interface GmbH & Co. KG                                                       | 07/06/2017 | 3472899 | 17728540.0 | German |
| 3473148 | Mazzer Luigi S.p.A.                                                                      | 25/09/2018 | 3473148 | 18196696.1 |        |
| 3473619 | ELI LILLY AND CO.                                                                        | 06/11/2015 | 3473619 | 18204389.3 |        |
| 3473850 | Mitsubishi Heavy Industries, Ltd.                                                        | 23/02/2018 | 3473850 | 18158411.1 |        |
| 3474324 | LG Chem, Ltd.                                                                            | 02/07/2018 | 3474324 | 18830357.2 |        |
| 3474424 | AUDI AG                                                                                  | 30/07/2018 | 3474424 | 18186302.8 | German |
| 3474604 | Panasonic Intellectual Property Corporation of America                                   | 17/04/2015 | 3474604 | 18210728.4 |        |
| 3474655 | Forage Company B.V.                                                                      | 06/06/2017 | 3474655 | 17733551.0 |        |
| 3475745 | Spinner GmbH                                                                             | 26/06/2017 | 3475745 | 17732444.9 | German |
| 3476075 | Institut für Rundfunktechnik GmbH                                                        | 15/07/2018 | 3476075 | 18737930.0 | German |
| 3476246 | Salomon S.A.S.                                                                           | 25/10/2018 | 3476246 | 18202572.6 | French |
| 3476362 | Kabushiki Kaisha Shofu                                                                   | 15/10/2018 | 3476362 | 18200313.7 |        |
| 3476462 | Mitsubishi Heavy Industries Engineering, Ltd.                                            | 24/01/2018 | 3476462 | 18743953.4 |        |
| 3476919 | China Petroleum & Chemical Corporation Research Institute Of Petroleum ProcessingSinopec | 25/10/2018 | 3476919 | 18202626.0 |        |
| 3476992 | Vestel Elektronik Sanayi ve Ticaret A.S.                                                 | 26/10/2017 | 3476992 | 17198630.0 |        |
| 3477015 | Ceraloc Innovation AB                                                                    | 02/07/2012 | 3477015 | 18205164.9 |        |
| 3477117 | Hamilton Sundstrand Corporation                                                          | 17/10/2018 | 3477117 | 18201025.6 |        |
| 3477126 | Illinois Tool Works, Inc.                                                                | 31/10/2018 | 3477126 | 18203873.7 |        |
| 3477280 | Commissariat à l'énergie atomique et aux énergies alternatives                           | 23/10/2018 | 3477280 | 18201904.2 | French |
| 3477394 | KYOCERA Document Solutions Inc.                                                          | 26/10/2018 | 3477394 | 18202745.8 |        |
| 3477400 | Hewlett-Packard Development Company, L.P.                                                | 19/07/2013 | 3477400 | 18209483.9 |        |
| 3477414 | Shanghai Slamtec Co., Ltd.                                                               | 25/01/2018 | 3477414 | 18153500.6 |        |
| 3477578 | Telefonica Digital España, S.L.U.                                                        | 27/10/2017 | 3477578 | 17382720.5 |        |

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| 3477603 | NCR Corporation                                                         | 16/10/2018 | 3477603 | 18200721.1 |        |
| 3477785 | Ng, Simon Kar Ming                                                      | 30/10/2017 | 3477785 | 17199111.0 |        |
| 3477804 | Liebherr-Components Biberach GmbH                                       | 15/06/2016 | 3477804 | 18212687.0 | German |
| 3477996 | Huawei Technologies Co., Ltd.                                           | 13/07/2016 | 3477996 | 16908451.4 |        |
| 3478173 | AIT Austrian Institute of Technology GmbH                               | 31/05/2017 | 3478173 | 17730037.3 | German |
| 3478523 | ZF Friedrichshafen AG                                                   | 16/05/2017 | 3478523 | 17724010.8 | German |
| 3478618 | Platinum Stairlifts Ltd                                                 | 19/05/2017 | 3478618 | 17725754.0 |        |
| 3478749 | SABIC Global Technologies B.V.                                          | 30/06/2016 | 3478749 | 16734626.1 |        |
| 3479029 | Spiro Enterprises B.V.                                                  | 03/07/2017 | 3479029 | 17737909.6 |        |
| 3479046 | Valeo Systemes Thermiques                                               | 05/06/2017 | 3479046 | 17733505.6 | French |
| 3479096 | Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.    | 03/07/2017 | 3479096 | 17735109.5 | German |
| 3479823 | Grünenthal GmbH                                                         | 23/03/2016 | 3479823 | 18206581.3 |        |
| 3479911 | Amorim Cork Research, Lda.                                              | 30/06/2017 | 3479911 | 17739716.3 |        |
| 3480062 | SMR Patents S.à.r.l.                                                    | 25/10/2018 | 3480062 | 18202568.4 |        |
| 3480338 | RIAG Oberflächentechnik AG                                              | 18/10/2018 | 3480338 | 18201278.1 | German |
| 3480348 | Hunter Douglas Inc.                                                     | 02/11/2018 | 3480348 | 18204159.0 |        |
| 3480425 | Dürr Systems AG                                                         | 30/12/2011 | 3480425 | 18209322.9 | German |
| 3480565 | MASMEC S.p.A.                                                           | 02/11/2018 | 3480565 | 18204197.0 |        |
| 3481010 | Huawei Technologies Co., Ltd.                                           | 15/05/2017 | 3481010 | 17844921.1 |        |
| 3481043 | Hewlett-Packard Development Company, L.P.<br>Purdue Research Foundation | 05/07/2017 | 3481043 | 18211031.2 |        |
| 3481044 | Hewlett-Packard Development Company, L.P.<br>Purdue Research Foundation | 10/07/2017 | 3481044 | 18212156.6 |        |
| 3481085 | Oticon A/S                                                              | 26/10/2018 | 3481085 | 18202856.3 |        |
| 3481192 | B Medical Systems S.à r.l.                                              | 03/07/2017 | 3481192 | 17737528.4 |        |
| 3481283 | Koninklijke Philips N.V.                                                | 06/07/2017 | 3481283 | 17740357.3 |        |
| 3481304 | Grace Medical, Inc.                                                     | 10/07/2017 | 3481304 | 17828238.0 |        |
| 3481416 | CSL Behring Lengnau AG                                                  | 07/07/2017 | 3481416 | 17742959.4 |        |
| 3481584 | Adige S.p.A.                                                            | 06/07/2017 | 3481584 | 17749750.0 |        |
| 3481701 | thyssenkrupp Presta AG<br>thyssenkrupp AG                               | 04/07/2017 | 3481701 | 17735128.5 | German |
| 3481702 | thyssenkrupp Presta AG<br>thyssenkrupp AG                               | 04/07/2017 | 3481702 | 17737538.3 | German |

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| 3481933 | BASF SE                                                             | 03/07/2017 | 3481933 | 17734342.3 |        |
| 3482198 | Plastic Omnium Advanced Innovation<br>and Research                  | 03/07/2017 | 3482198 | 17735478.4 |        |
| 3482687 | F. Hoffmann-La Roche AG                                             | 08/11/2017 | 3482687 | 17200660.3 |        |
| 3482700 | Vitalys Surgical                                                    | 23/10/2018 | 3482700 | 18202068.5 | French |
| 3482729 | Unicharm Corporation                                                | 05/07/2017 | 3482729 | 17845884.0 |        |
| 3482954 | SII Printek Inc                                                     | 13/11/2018 | 3482954 | 18206055.8 |        |
| 3483185 | The General Hospital Corporation                                    | 11/10/2013 | 3483185 | 18214166.3 |        |
| 3483296 | Magang (Group) Holding Co., Ltd.<br>Maanshan Iron & Steel Co., Ltd. | 06/07/2017 | 3483296 | 17823656.8 |        |
| 3483465 | Usui Co., Ltd.                                                      | 28/06/2017 | 3483465 | 17824095.8 |        |
| 3483469 | Bridgestone Corporation                                             | 21/07/2015 | 3483469 | 18214597.9 |        |
| 3483901 | Delta Electronics, Inc.                                             | 25/07/2018 | 3483901 | 18185468.8 |        |
| 3483907 | Contemporary Ampere Technology<br>Co., Limited                      | 02/10/2018 | 3483907 | 18198249.7 |        |
| 3484108 | Cray UK Limited                                                     | 23/06/2009 | 3484108 | 18188902.3 |        |
| 3484214 | China Academy of Telecommunications<br>Technology                   | 06/07/2017 | 3484214 | 17826926.2 |        |
| 3484353 | GraftWorx, Inc.                                                     | 12/07/2017 | 3484353 | 17828412.1 |        |
| 3484368 | Koninklijke Philips N.V.                                            | 13/07/2017 | 3484368 | 17737290.1 |        |
| 3484657 | GS Yuasa International Ltd.<br>Robert Bosch GmbH                    | 06/07/2017 | 3484657 | 17735542.7 |        |
| 3484988 | BASF SE                                                             | 05/07/2017 | 3484988 | 17735138.4 |        |
| 3484996 | BASF SE                                                             | 12/07/2017 | 3484996 | 17736682.0 |        |
| 3485091 | W & D McCulloch Ltd.                                                | 03/07/2017 | 3485091 | 17737353.7 |        |
| 3485119 | Bonaiti Serrature S.p.a.                                            | 13/07/2017 | 3485119 | 17739282.6 |        |
| 3485514 | Koninklijke Philips N.V.                                            | 14/07/2017 | 3485514 | 17737300.8 |        |
| 3485544 | TRUMPF Laser GmbH                                                   | 12/07/2017 | 3485544 | 17742410.8 | German |
| 3485598 | Giesecke+Devrient Mobile Security<br>GmbH                           | 12/07/2017 | 3485598 | 17751242.3 | German |
| 3485659 | FLOWLY                                                              | 18/07/2017 | 3485659 | 17758221.0 | French |
| 3485711 | Moteurs Leroy-Somer                                                 | 10/07/2017 | 3485711 | 17735586.4 | French |
| 3485763 | Colgate-Palmolive Company                                           | 23/07/2014 | 3485763 | 18214313.1 |        |
| 3485957 | Donaldson Company, Inc.                                             | 10/02/2004 | 3485957 | 18211271.4 |        |
| 3486192 | Song, Seon Hye                                                      | 20/11/2017 | 3486192 | 17202556.1 |        |
| 3486205 | Siemens Gamesa Renewable Energy<br>A/S                              | 21/11/2017 | 3486205 | 17202862.3 |        |

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| 3486279 | LG Chem, Ltd.                                                                                           | 13/07/2018 | 3486279 | 18840962.7 |        |
| 3486365 | ELECTROLUX APPLIANCES<br>AKTIEBOLAG                                                                     | 23/12/2014 | 3486365 | 18208824.5 |        |
| 3486373 | Klein, Amos                                                                                             | 20/11/2018 | 3486373 | 18207355.1 |        |
| 3486387 | Gerard Spolka z o.o.                                                                                    | 25/04/2018 | 3486387 | 18460024.5 |        |
| 3486406 | GIBUS S.p.A.                                                                                            | 20/11/2018 | 3486406 | 18207411.2 |        |
| 3486425 | Weatherford Technology Holdings,<br>LLC                                                                 | 09/12/2014 | 3486425 | 18201644.4 |        |
| 3486438 | Doosan Heavy Industries &<br>Construction Co., Ltd                                                      | 12/11/2018 | 3486438 | 18205669.7 |        |
| 3486479 | Senvion GmbH                                                                                            | 15/11/2018 | 3486479 | 18206405.5 | German |
| 3486487 | Daikin Industries, Ltd.                                                                                 | 14/07/2017 | 3486487 | 17827746.3 |        |
| 3486568 | Ansaldo Energia Switzerland AG                                                                          | 20/11/2018 | 3486568 | 18207407.0 |        |
| 3486603 | Commissariat à l'énergie atomique et<br>aux énergies alternatives                                       | 19/11/2018 | 3486603 | 18207033.4 | French |
| 3486839 | Kyodo Printing Co., Ltd.                                                                                | 14/04/2015 | 3486839 | 18214307.3 |        |
| 3486864 | Technische Universität München<br>Institut National de la Santé et de la<br>Recherche Médicale (INSERM) | 20/11/2017 | 3486864 | 17202624.7 |        |
| 3486905 | Huawei Technologies Co., Ltd.                                                                           | 25/07/2013 | 3486905 | 18182328.7 |        |
| 3486925 | Yantai Shougang Magnetic Materials<br>Inc.                                                              | 14/11/2018 | 3486925 | 18206278.6 |        |
| 3486977 | Samsung SDI Co., Ltd.                                                                                   | 14/11/2018 | 3486977 | 18206184.6 |        |
| 3487029 | Danfoss Mobile Electrification Oy                                                                       | 15/11/2017 | 3487029 | 17201763.4 |        |
| 3487284 | SeQso Exploitation B.V.                                                                                 | 19/07/2017 | 3487284 | 17755272.6 |        |
| 3487455 | Cossington Limited                                                                                      | 18/07/2017 | 3487455 | 17748573.7 |        |
| 3487702 | BASF Coatings GmbH                                                                                      | 20/07/2017 | 3487702 | 17742245.8 | German |
| 3487708 | Koenig & Bauer AG                                                                                       | 03/07/2017 | 3487708 | 17735106.1 | German |
| 3487790 | Richter, Bodo                                                                                           | 18/07/2017 | 3487790 | 17751635.8 | German |
| 3487846 | BASF SE<br>Dow Global Technologies LLC                                                                  | 19/07/2017 | 3487846 | 17751644.0 |        |
| 3487941 | BASF Coatings GmbH                                                                                      | 17/07/2017 | 3487941 | 17748409.4 |        |
| 3487978 | Sartorius Stedim Biotech GmbH                                                                           | 03/07/2017 | 3487978 | 17739917.7 | German |
| 3488042 | BSH Hausgeräte GmbH                                                                                     | 11/07/2017 | 3488042 | 17739955.7 | German |
| 3488043 | BSH Hausgeräte GmbH                                                                                     | 12/07/2017 | 3488043 | 17739550.6 | German |
| 3488097 | TA Towers ApS                                                                                           | 21/07/2017 | 3488097 | 17752022.8 |        |
| 3488145 | Signify Holding B.V.                                                                                    | 12/07/2017 | 3488145 | 17737813.0 |        |

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|---------|--------------------------------------------------------|------------|---------|------------|--------|
| 3488358 | Spotify AB                                             | 29/06/2017 | 3488358 | 17761445.0 |        |
| 3488717 | JT International SA                                    | 18/07/2006 | 3488717 | 18214907.0 |        |
| 3488747 | Bath Authority LLC dba DreamLine                       | 01/03/2018 | 3488747 | 18159501.8 |        |
| 3488807 | Intuitive Surgical Operations, Inc.                    | 13/03/2014 | 3488807 | 19151045.2 |        |
| 3488818 | TriVascular, Inc.                                      | 31/05/2013 | 3488818 | 18209876.4 |        |
| 3488844 | PureCircle USA Inc.                                    | 10/02/2012 | 3488844 | 18210270.7 |        |
|         | Markosyan, Avetik                                      |            |         |            |        |
| 3489367 | Life Technologies Corporation                          | 04/03/2016 | 3489367 | 18213839.6 |        |
| 3489368 | The Chinese University Of Hong Kong                    | 24/02/2012 | 3489368 | 18213644.0 |        |
| 3489479 | MEAS France                                            | 20/11/2018 | 3489479 | 18207193.6 |        |
|         | Wema System AS                                         |            |         |            |        |
| 3489583 | E.G.O. Elektro-Gerätebau GmbH                          | 16/10/2018 | 3489583 | 18200649.4 | German |
| 3489586 | Beijing Xiaomi Mobile Software Co., Ltd.               | 19/11/2018 | 3489586 | 18207043.3 |        |
| 3489602 | Gautschi Engineering GmbH                              | 26/11/2018 | 3489602 | 18208226.3 | German |
| 3489693 | BRAND GMBH + CO KG                                     | 21/11/2018 | 3489693 | 18207543.2 | German |
| 3489762 | GFPI S.A.                                              | 23/11/2017 | 3489762 | 17203337.5 | French |
|         | CompliTime SA                                          |            |         |            |        |
| 3489809 | Samsung Display Co., Ltd.                              | 27/07/2017 | 3489809 | 19151369.6 |        |
| 3490091 | GLOBAL ENERGY                                          | 22/05/2017 | 3490091 | 17830283.2 |        |
|         | INTERCONNECTION RESEARCH                               |            |         |            |        |
|         | INSTITUTE CO., LTD.                                    |            |         |            |        |
|         | State Grid Corporation of China                        |            |         |            |        |
| 3490254 | Panasonic Intellectual Property Corporation of America | 26/02/2003 | 3490254 | 18211538.6 |        |
| 3490339 | E.G.O. Elektro-Gerätebau GmbH                          | 17/10/2018 | 3490339 | 18200977.9 | German |
| 3490419 | BSH Hausgeräte GmbH                                    | 26/07/2017 | 3490419 | 17752034.3 | German |
| 3490504 | Aesculap AG                                            | 31/07/2017 | 3490504 | 17745724.9 | German |
| 3490511 | Betterguards Technology GmbH                           | 28/07/2017 | 3490511 | 17754093.7 | German |
| 3490664 | Otto Bock Healthcare Products GmbH                     | 18/07/2017 | 3490664 | 17740741.8 | German |
| 3490679 | Isdin, S. A.                                           | 28/07/2017 | 3490679 | 17749162.8 |        |
| 3490719 | Refractory Intellectual Property GmbH & Co. KG         | 26/07/2017 | 3490719 | 17742761.4 |        |
| 3490741 | TRUMPF Maschinen Austria GmbH & Co. KG.                | 26/07/2017 | 3490741 | 17764313.7 | German |
| 3490824 | Volkswagen Aktiengesellschaft                          | 26/07/2017 | 3490824 | 17745171.3 | German |

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| 3490834 | Plastic Omnium Advanced Innovation and Research                          | 27/07/2017 | 3490834 | 17749668.4 |        |
| 3490984 | Abac Therapeutics, S.L                                                   | 28/07/2017 | 3490984 | 17754294.1 |        |
| 3490989 | Padlock Therapeutics, Inc.                                               | 27/07/2017 | 3490989 | 17749074.5 |        |
| 3491038 | Sika Technology AG                                                       | 28/07/2017 | 3491038 | 17755070.4 | German |
| 3491084 | Chemours-Mitsui Fluoroproducts Co., Ltd.<br>The Chemours Company FC, LLC | 24/07/2017 | 3491084 | 17746618.2 |        |
| 3491182 | BSH Hausgeräte GmbH                                                      | 11/07/2017 | 3491182 | 17749371.5 | German |
| 3491226 | Vitesco Technologies GmbH                                                | 12/07/2017 | 3491226 | 17739258.6 | German |
| 3491335 | Robert Bosch GmbH                                                        | 06/07/2017 | 3491335 | 17736934.5 | German |
| 3491485 | Microsoft Technology Licensing, LLC                                      | 25/07/2017 | 3491485 | 17751515.2 |        |
| 3491672 | MITSUBISHI ELECTRIC CORPORATION                                          | 30/03/2018 | 3491672 | 18722744.2 |        |
| 3491797 | Qualcomm Incorporated                                                    | 26/06/2017 | 3491797 | 17737143.2 |        |
| 3491959 | SEB S.A.                                                                 | 20/11/2018 | 3491959 | 18207412.0 | French |
| 3492228 | FAM                                                                      | 04/12/2017 | 3492228 | 17205207.8 |        |
| 3492291 | VOLKSWAGEN AKTIENGESELLSCHAFT                                            | 08/11/2018 | 3492291 | 18205177.1 | German |
| 3492327 | Robert Bosch GmbH                                                        | 14/07/2017 | 3492327 | 18213718.2 |        |
| 3492353 | Deere & Company                                                          | 29/11/2017 | 3492353 | 18207605.9 | German |
| 3492678 | Brose Schliesssysteme GmbH & Co. KG                                      | 22/11/2018 | 3492678 | 18207737.0 | German |
| 3492805 | MARELLI AUTOMOTIVE LIGHTING ITALY S.P.A.                                 | 29/11/2018 | 3492805 | 18209125.6 |        |
| 3492824 | Ascough, Tom<br>Ascough, Seán                                            | 29/11/2017 | 3492824 | 17204317.6 |        |
| 3492872 | Bayerische Motoren Werke Aktiengesellschaft                              | 30/11/2017 | 3492872 | 17204625.2 |        |
| 3492964 | Carl Zeiss Vision International GmbH                                     | 19/07/2017 | 3492964 | 18214846.0 | German |
| 3492994 | CANON KABUSHIKI KAISHA                                                   | 23/11/2018 | 3492994 | 18208022.6 |        |
| 3493304 | Denka Company Limited                                                    | 14/07/2017 | 3493304 | 17834081.6 |        |
| 3493445 | GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.                     | 11/09/2017 | 3493445 | 17922072.8 |        |
| 3493480 | Panasonic Intellectual Property Corporation of America                   | 02/06/2017 | 3493480 | 17833843.0 |        |

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| 3493535 | Mitsubishi Electric Corporation                                              | 29/11/2017 | 3493535 | 17204415.8 |        |
| 3493564 | Intel Corporation                                                            | 15/03/2013 | 3493564 | 19151702.8 |        |
| 3493584 | BlackBerry Limited                                                           | 28/11/2018 | 3493584 | 18208780.9 |        |
| 3493743 | Koninklijke Philips N.V.                                                     | 21/07/2017 | 3493743 | 17740403.5 |        |
| 3494026 | Volkswagen Aktiengesellschaft                                                | 22/06/2017 | 3494026 | 17731913.4 | German |
| 3494153 | BASF SE                                                                      | 11/07/2017 | 3494153 | 17736681.2 | German |
| 3494155 | Sika Technology AG                                                           | 28/07/2017 | 3494155 | 17743063.4 | German |
| 3494238 | Danieli & C. Officine Meccaniche<br>S.p.A.<br>HYL Technologies, S.A. de C.V. | 02/08/2017 | 3494238 | 17754105.9 |        |
| 3494400 | Signify Holding B.V.                                                         | 24/07/2017 | 3494400 | 17746433.6 |        |
| 3494794 | Deutsches Institut für<br>Lebensmitteltechnik e.V.                           | 05/12/2018 | 3494794 | 18210456.2 | German |
| 3494835 | CTK Co., Ltd<br>Pum-Tech Korea Co., Ltd                                      | 20/09/2017 | 3494835 | 17853413.7 |        |
| 3495043 | ASAHI KASEI KABUSHIKI KAISHA                                                 | 28/07/2017 | 3495043 | 17836879.1 |        |
| 3495096 | Linde Material Handling GmbH                                                 | 04/12/2018 | 3495096 | 18210118.8 | German |
| 3495120 | Mitsubishi Heavy Industries, Ltd.                                            | 09/11/2017 | 3495120 | 17873319.2 |        |
| 3495132 | Construction Machines Automatiques<br>Spéciales                              | 05/12/2018 | 3495132 | 18210301.0 | French |
| 3495323 | Borealis Agrolinz Melamine GmbH                                              | 07/12/2017 | 3495323 | 17205902.4 |        |
| 3495424 | LG Chem, Ltd.                                                                | 10/09/2013 | 3495424 | 19150043.8 |        |
| 3495549 | Tsann Kuen (Zhangzhou) Enterprise<br>Co., Ltd.                               | 04/12/2018 | 3495549 | 18209970.5 |        |
| 3495630 | Hamilton Sundstrand Corporation                                              | 26/10/2018 | 3495630 | 18202913.2 |        |
| 3495640 | SAFRAN AIRCRAFT ENGINES                                                      | 05/12/2018 | 3495640 | 18210436.4 | French |
| 3495699 | United Technologies Corporation                                              | 23/10/2015 | 3495699 | 19151279.7 |        |
| 3495739 | Whirlpool S.A.                                                               | 11/12/2018 | 3495739 | 18211796.0 |        |
| 3495830 | Fico Triad, S.A.                                                             | 05/12/2017 | 3495830 | 17382838.5 |        |
| 3496123 | TRIES GmbH & Co. KG Hydraulik-<br>Elektrotechnik Ebingen                     | 06/12/2017 | 3496123 | 17205694.7 | German |
| 3496211 | Aptiv Technologies Limited                                                   | 07/12/2017 | 3496211 | 17205935.4 | German |
| 3496297 | LG ELECTRONICS INC.                                                          | 03/07/2008 | 3496297 | 19154352.9 |        |
| 3496434 | KDDI Corporation                                                             | 12/11/2015 | 3496434 | 19153839.6 |        |
| 3496437 | LG ELECTRONICS INC.                                                          | 08/07/2015 | 3496437 | 19154305.7 |        |
| 3496766 | Atec Pharmatechnik GmbH                                                      | 01/08/2017 | 3496766 | 17764758.3 | German |
| 3496871 | BSH Hausgeräte GmbH                                                          | 18/07/2017 | 3496871 | 17743305.9 | German |

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|--------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------|---------|------------|--------|
| 3496874      | Solystic                                                                               | 07/07/2017                                                    | 3496874 | 17745435.2 | French |
| 3497869      | Fraunhofer-Gesellschaft zur Förderung<br>der angewandten Forschung e.V.                | 09/08/2017                                                    | 3497869 | 17758816.7 |        |
| 3498068      | Bolu Abant Izzet Baysal Universitesi                                                   | 11/12/2018                                                    | 3498068 | 18211691.3 |        |
| 3498118      | O&M Halyard International Unlimited<br>Company                                         | 03/05/2017                                                    | 3498118 | 19154915.3 |        |
| 3498129      | Unifor S.p.A.                                                                          | 05/12/2018                                                    | 3498129 | 18210351.5 |        |
| 3498390      | DANIELI & C. OFFICINE<br>MECCANICHE S.P.A.                                             | 14/12/2018                                                    | 3498390 | 18212590.6 |        |
| 3498396      | Sintokogio, Ltd.                                                                       | 11/12/2018                                                    | 3498396 | 18211593.1 |        |
| 3498418      | eurolaser GmbH                                                                         | 10/12/2018                                                    | 3498418 | 18211312.6 | German |
| 3498482      | Canon Production Printing Holding<br>B.V.                                              | 03/12/2018                                                    | 3498482 | 18209849.1 |        |
| 3498578      | Tirsan Treyler Sanayi Ve Ticaret<br>Anonim Sirketi                                     | 12/12/2018                                                    | 3498578 | 18211952.9 |        |
| 3498727      | Samsung Electronics Co., Ltd.<br>Korea Advanced Institute of Science<br>and Technology | 14/12/2018                                                    | 3498727 | 18212740.7 |        |
| 3498749      | CIECH Zywiec Sp. z o.o.                                                                | 18/12/2018                                                    | 3498749 | 18213752.1 |        |
| 3498855      | BIO-P S.r.l.                                                                           | 07/12/2018                                                    | 3498855 | 18211136.9 |        |
| 3498985      | Mitsubishi Heavy Industries<br>Compressor Corporation                                  | 27/09/2016                                                    | 3498985 | 16917629.4 |        |
| 3498995      | Donaldson Company, Inc.                                                                | 30/01/2015                                                    | 3498995 | 18199470.8 |        |
| 3499005      | Rolls-Royce plc                                                                        | 14/11/2018                                                    | 3499005 | 18206215.8 |        |
| 3499074      | SAF-HOLLAND GmbH                                                                       | 10/12/2018                                                    | 3499074 | 18211328.2 | German |
| 3499143      | DENSO THERMAL SYSTEMS S.p.A.                                                           | 07/12/2018                                                    | 3499143 | 18210916.5 |        |
| 3499209      | Carl Zeiss Vision International GmbH                                                   | 30/04/2014                                                    | 3499209 | 19155525.9 | German |
| 3499239      | Thermo Finnigan LLC                                                                    | 26/11/2018                                                    | 3499239 | 18208357.6 |        |
| 3499252      | China Electric Power Research Institute<br>Company Limited                             | 18/10/2017                                                    | 3499252 | 17868512.9 |        |
| 3499318      | Novasort SA                                                                            | 14/12/2016                                                    | 3499318 | 19152279.6 | French |
| 3499534      | Korea JCC Co., Ltd.                                                                    | 25/07/2018                                                    | 3499534 | 18185427.4 |        |
| 3499984      | Huawei Technologies Co., Ltd.                                                          | 30/09/2014                                                    | 3499984 | 18202186.5 |        |
| 3500924      | Robert Bosch GmbH                                                                      | 28/07/2017                                                    | 3500924 | 17751322.3 | German |
| 3501057      | Solvay SA                                                                              | 27/07/2017                                                    | 3501057 | 17754280.0 |        |
| 3501127      | Robert Bosch GmbH                                                                      | 06/07/2017                                                    | 3501127 | 17742179.9 | German |
| 3501285      | Shanghai Terin Co., Ltd.                                                               | 14/12/2018                                                    | 3501285 | 18212618.5 |        |

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| 3501671 | Solystic                                             | 12/10/2018 | 3501671 | 18200249.3 | French |
| 3501723 | Trumpf Laser- und Systemtechnik GmbH                 | 15/11/2018 | 3501723 | 18206367.7 | German |
| 3501744 | Wirtgen GmbH                                         | 05/12/2018 | 3501744 | 18210481.0 | German |
| 3501908 | Valeo Siemens eAutomotive France SAS                 | 05/12/2018 | 3501908 | 18210582.5 | French |
| 3501912 | Eissmann Automotive Deutschland GmbH                 | 13/12/2018 | 3501912 | 18212150.9 | German |
| 3502210 | Merck Patent GmbH                                    | 17/12/2018 | 3502210 | 18212876.9 |        |
| 3502336 | Candy S.p.A.                                         | 18/12/2018 | 3502336 | 18213640.8 |        |
| 3502420 | United Technologies Corporation                      | 21/12/2018 | 3502420 | 18215396.5 |        |
| 3502472 | Sumitomo Seika Chemicals Co., Ltd.                   | 22/12/2010 | 3502472 | 19156439.2 |        |
| 3502515 | TOYOTA JIDOSHA KABUSHIKI KAISHA                      | 20/12/2018 | 3502515 | 18214497.2 |        |
| 3502575 | IOTOI Oy                                             | 28/12/2018 | 3502575 | 18397538.2 |        |
| 3502705 | Universidad de los Andes                             | 12/09/2016 | 3502705 | 19153119.3 |        |
| 3502761 | Funai Electric Co., Ltd.                             | 10/07/2015 | 3502761 | 19151400.9 |        |
| 3502893 | Hewlett Packard Enterprise Development LP            | 19/12/2018 | 3502893 | 18213983.2 |        |
| 3502901 | Kyland Technology Co., Ltd.                          | 18/12/2018 | 3502901 | 18213521.0 |        |
| 3503121 | Nexans                                               | 14/12/2018 | 3503121 | 18212568.2 | French |
| 3503148 | Veka AG                                              | 20/12/2018 | 3503148 | 18214659.7 | German |
| 3503437 | RWTH Aachen                                          | 26/03/2015 | 3503437 | 19154075.6 |        |
| 3503636 | GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD. | 21/03/2017 | 3503636 | 17901562.3 |        |
| 3503649 | Thales                                               | 06/12/2018 | 3503649 | 18210768.0 | French |
| 3504386 | Immobilien Zentrum Gesellschaft MBH                  | 07/07/2017 | 3504386 | 17737263.8 | German |
| 3504628 | Huawei Technologies Co., Ltd.                        | 28/09/2016 | 3504628 | 16815994.5 |        |
| 3504760 | Robert Bosch GmbH                                    | 28/07/2017 | 3504760 | 17745719.9 | German |
| 3504841 | Robert Bosch GmbH                                    | 03/07/2017 | 3504841 | 17736917.0 | German |
| 3504970 | Marrone Bio Innovations, Inc.                        | 29/07/2010 | 3504970 | 19152007.1 |        |
| 3505044 | Samsung Electronics Co., Ltd.                        | 27/12/2018 | 3505044 | 18248009.5 |        |
| 3505196 | BioHealing k.s.                                      | 31/05/2018 | 3505196 | 18175391.4 |        |
| 3505200 | Gambro Lundia AB                                     | 29/12/2017 | 3505200 | 17211159.3 |        |
| 3505435 | Reduce Carbon Energy Develop Co., Ltd.               | 01/10/2018 | 3505435 | 18197929.5 |        |

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| 3505774 | Sintokogio, Ltd.                                                              | 20/12/2018 | 3505774 | 18275191.7 |        |
| 3505953 | Axis AB                                                                       | 14/02/2018 | 3505953 | 18156609.2 |        |
| 3506464 | KABUSHIKI KAISHA TOSHIBA<br>Toshiba Energy Systems & Solutions<br>Corporation | 18/12/2018 | 3506464 | 18213450.2 |        |
| 3506496 | STEINEL GmbH                                                                  | 22/04/2014 | 3506496 | 18208310.5 | German |
| 3506551 | Atos Nederland B.V.                                                           | 28/12/2017 | 3506551 | 17210860.7 |        |
| 3506554 | Atos Integration                                                              | 21/12/2018 | 3506554 | 18215806.3 | French |
| 3506555 | Atos Integration                                                              | 21/12/2018 | 3506555 | 18215808.9 | French |
| 3506592 | Oath Inc.                                                                     | 05/12/2018 | 3506592 | 18210538.7 |        |
| 3506788 | SEB S.A.                                                                      | 11/08/2017 | 3506788 | 17765236.9 | French |
| 3506789 | SEB S.A.                                                                      | 11/08/2017 | 3506789 | 17765237.7 | French |
| 3507510 | Bossard AG                                                                    | 13/10/2017 | 3507510 | 17783516.2 | German |
| 3507656 | KHD Humboldt Wedag GmbH                                                       | 27/09/2017 | 3507656 | 17777016.1 | German |
| 3507678 | Microsoft Technology Licensing, LLC                                           | 23/08/2017 | 3507678 | 17761981.4 |        |
| 3507968 | Huawei Technologies Co., Ltd.                                                 | 28/10/2017 | 3507968 | 17864816.8 |        |
| 3508043 | Robert Bosch GmbH                                                             | 13/07/2017 | 3508043 | 17739563.9 | German |
| 3508491 | Samsung Electronics Co., Ltd.                                                 | 03/01/2019 | 3508491 | 19150173.3 |        |
| 3508657 | J.C. Bamford Excavators Ltd                                                   | 18/12/2018 | 3508657 | 18213747.1 |        |
| 3508755 | Allison Transmission, Inc.                                                    | 10/01/2013 | 3508755 | 19153684.6 |        |
| 3508782 | Ningbo Vasa Intelligent Technology<br>Co., Ltd.                               | 22/08/2018 | 3508782 | 18190170.3 |        |
| 3509271 | Lincoln Global, Inc.                                                          | 21/12/2018 | 3509271 | 18215434.4 |        |
| 3509385 | Intel IP Corporation                                                          | 26/02/2015 | 3509385 | 19157810.3 |        |
| 3510217 | Framatome GmbH                                                                | 06/02/2018 | 3510217 | 18709476.8 | German |
| 3510590 | Oaswiss AG                                                                    | 14/06/2017 | 3510590 | 17737722.3 | German |
| 3510791 | Nureva Inc.                                                                   | 02/06/2017 | 3510791 | 17847841.8 |        |
| 3510973 | Cook Medical Technologies LLC                                                 | 08/01/2019 | 3510973 | 19275002.4 |        |
| 3510976 | Cook Medical Technologies LLC                                                 | 11/01/2019 | 3510976 | 19151493.4 |        |
| 3511470 | Kress, Markus                                                                 | 07/07/2015 | 3511470 | 19156680.1 | German |
| 3511532 | Garrett Transportation I Inc.                                                 | 14/01/2019 | 3511532 | 19151651.7 |        |
| 3511547 | Mazda Motor Corporation                                                       | 12/10/2017 | 3511547 | 17860267.8 |        |
| 3511657 | MITSUBISHI ELECTRIC<br>CORPORATION                                            | 16/11/2016 | 3511657 | 16904250.4 |        |
| 3511945 | Thorium Power, Inc.                                                           | 25/12/2008 | 3511945 | 19156631.4 |        |
| 3512022 | LG Chem, Ltd.                                                                 | 02/02/2018 | 3512022 | 18747766.6 |        |

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| 3512316 | Sony Semiconductor Solutions Corporation                                          | 25/07/2017 | 3512316 | 17848436.6 |        |
| 3512992 | Santex Rimar Group S.r.l.                                                         | 12/09/2017 | 3512992 | 17809049.4 |        |
| 3513064 | Vestas Wind Systems A/S                                                           | 14/09/2017 | 3513064 | 17771331.0 |        |
| 3513270 | Sas Joyeuse                                                                       | 08/11/2018 | 3513270 | 18808236.6 | French |
| 3513508 | Institut National des Sciences Appliquées de Rennes                               | 12/09/2017 | 3513508 | 17783911.5 | French |
| 3513572 | Ask Industries Societa' per Azioni                                                | 13/09/2017 | 3513572 | 17780016.6 |        |
| 3513606 | Telefonaktiebolaget LM Ericsson (publ)                                            | 13/09/2017 | 3513606 | 17783999.0 |        |
| 3513727 | Becton, Dickinson and Company                                                     | 14/04/2014 | 3513727 | 19153076.5 |        |
| 3513750 | Oh Dae Metal Co., Ltd.                                                            | 13/11/2018 | 3513750 | 18205912.1 |        |
| 3513927 | The Gillette Company LLC                                                          | 16/01/2019 | 3513927 | 19152033.7 |        |
| 3513984 | Giesecke+Devrient Currency Technology GmbH                                        | 10/01/2019 | 3513984 | 19000016.6 | German |
| 3514045 | Dolidze, Shota                                                                    | 23/01/2019 | 3514045 | 19153248.0 | German |
| 3514164 | NEC Solution Innovators, Ltd.<br>National University Corporation Gunma University | 14/09/2017 | 3514164 | 17850964.2 |        |
| 3514312 | Trenomat GmbH & Co. KG                                                            | 19/01/2018 | 3514312 | 18152533.8 | German |
| 3514401 | NTN-SNR Roulements                                                                | 21/01/2019 | 3514401 | 19152818.1 | French |
| 3514571 | THALES                                                                            | 03/01/2019 | 3514571 | 19150145.1 | French |
| 3514801 | Lockheed Martin Corporation                                                       | 07/01/2019 | 3514801 | 19150580.9 |        |
| 3514854 | Samsung SDI Co., Ltd.                                                             | 25/11/2016 | 3514854 | 19155009.4 |        |
| 3514970 | Velos Media International Limited                                                 | 06/11/2012 | 3514970 | 19150680.7 |        |
| 3515073 | JVC KENWOOD Corporation                                                           | 26/03/2013 | 3515073 | 19161426.2 |        |
| 3515077 | JVC KENWOOD Corporation                                                           | 12/04/2013 | 3515077 | 19161411.4 |        |
| 3515078 | JVC KENWOOD Corporation                                                           | 12/04/2013 | 3515078 | 19161418.9 |        |
| 3515079 | JVC KENWOOD Corporation                                                           | 12/04/2013 | 3515079 | 19161421.3 |        |
| 3515080 | JVC KENWOOD Corporation                                                           | 12/04/2013 | 3515080 | 19161423.9 |        |
| 3515331 | Fin-Ceramica Faenza S.p.A.                                                        | 18/09/2017 | 3515331 | 17780524.9 |        |
| 3515575 | University Of South Africa                                                        | 22/09/2017 | 3515575 | 17852519.2 |        |
| 3515627 | Trumpf Werkzeugmaschinen GmbH + Co. KG                                            | 26/09/2017 | 3515627 | 17780339.2 | German |
| 3515674 | SITI - B&T Group S.p.A.                                                           | 06/07/2017 | 3515674 | 17748935.8 |        |
| 3515691 | G.D Societa' per Azioni                                                           | 21/09/2017 | 3515691 | 17791143.5 |        |
| 3515727 | Compagnie Générale des Etablissements Michelin                                    | 15/09/2017 | 3515727 | 17780812.8 | French |

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|---------|------------------------------------------------|------------|---------|------------|--------|
| 3515790 | thyssenkrupp Presta AG                         | 18/09/2017 | 3515790 | 17778207.5 | German |
|         | thyssenkrupp AG                                |            |         |            |        |
| 3515795 | WABCO Europe BVBA                              | 21/07/2017 | 3515795 | 17758043.8 | German |
| 3515849 | Koenig & Bauer AG                              | 02/08/2017 | 3515849 | 17746493.0 | German |
| 3516114 | W & D McCulloch Ltd.                           | 19/09/2017 | 3516114 | 17771567.9 |        |
| 3516226 | KNORR-BREMSE Systeme für<br>Nutzfahrzeuge GmbH | 19/09/2017 | 3516226 | 17778213.3 | German |
| 3516251 | Schaeffler Technologies AG & Co. KG            | 03/03/2017 | 3516251 | 17717620.3 | German |
| 3516595 | Deepmind Technologies Limited                  | 03/11/2017 | 3516595 | 17818249.9 |        |
| 3516757 | Institut VEDECOM                               | 19/09/2017 | 3516757 | 17784352.1 | French |
| 3516879 | Google LLC                                     | 13/02/2018 | 3516879 | 18706173.4 |        |
| 3517085 | Bucci Automations S.p.A.                       | 26/01/2018 | 3517085 | 18153585.7 |        |
| 3517100 | ALLERGAN, INC.                                 | 03/02/2014 | 3517100 | 19151359.7 |        |
| 3517154 | Becton, Dickinson and Company                  | 16/11/2012 | 3517154 | 19164108.3 |        |
| 3517156 | ResMed Pty Ltd                                 | 14/05/2014 | 3517156 | 19155652.1 |        |
| 3517179 | Ortovox Sportartikel GmbH                      | 26/01/2018 | 3517179 | 18153628.5 | German |
| 3517188 | Barthel, Fritz                                 | 05/03/2017 | 3517188 | 19158868.0 | German |
| 3517361 | Trigano VDL                                    | 20/12/2018 | 3517361 | 18214743.9 | French |
| 3517791 | Polygroup Macau Limited (BVI)                  | 13/06/2017 | 3517791 | 19155491.4 |        |
| 3517827 | Valeo Vision                                   | 24/01/2019 | 3517827 | 19153618.4 | French |
| 3517879 | Valeo Vyminiky Tepla, s.r.o.                   | 25/01/2018 | 3517879 | 18153416.5 |        |
| 3518034 | CANON KABUSHIKI KAISHA                         | 22/01/2019 | 3518034 | 19153065.8 |        |
| 3518120 | Avid Technology, Inc.                          | 29/01/2019 | 3518120 | 19154325.5 |        |
| 3518460 | Huawei Technologies Co., Ltd.                  | 14/06/2017 | 3518460 | 17862073.8 |        |
| 3518495 | Comcast Cable Communications, LLC              | 24/01/2019 | 3518495 | 19153500.4 |        |
| 3518566 | Huawei Technologies Co., Ltd.                  | 18/07/2014 | 3518566 | 18203004.9 |        |
| 3518567 | Visa International Service Association         | 28/09/2015 | 3518567 | 19158544.7 |        |
| 3518813 | Dentsply Implants NV                           | 27/09/2017 | 3518813 | 17784875.1 |        |
| 3519029 | Sedana Medical Limited                         | 02/10/2017 | 3519029 | 17772749.2 |        |
| 3519100 | Micro-Macinazione S.A.                         | 28/09/2017 | 3519100 | 17784573.2 |        |
| 3519214 | WESTFALIA - Automotive GmbH                    | 27/09/2017 | 3519214 | 17784199.6 | German |
| 3519258 | Valeo Systèmes d'Essuyage                      | 28/07/2017 | 3519258 | 17745336.2 | French |
| 3519335 | Inventio AG                                    | 20/09/2017 | 3519335 | 17768812.4 | German |
| 3519854 | XenomatiX NV                                   | 03/10/2017 | 3519854 | 17788122.4 |        |
| 3519855 | XenomatiX NV                                   | 03/10/2017 | 3519855 | 17788123.2 |        |
| 3519856 | XenomatiX NV                                   | 03/10/2017 | 3519856 | 17788124.0 |        |
| 3519860 | XenomatiX NV                                   | 03/10/2017 | 3519860 | 17788125.7 |        |

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|---------|---------------------------------------------------|------------|---------|------------|--------|
| 3520161 | Ballard Power Systems Inc.                        | 29/09/2017 | 3520161 | 17784767.0 |        |
| 3520291 | Telefonaktiebolaget LM Ericsson (publ)            | 29/09/2017 | 3520291 | 17783788.7 |        |
| 3520359 | McAfee, Inc.                                      | 29/09/2017 | 3520359 | 17784502.1 |        |
| 3520393 | Dolby Laboratories Licensing Corporation          | 28/09/2017 | 3520393 | 17778458.4 |        |
| 3520562 | British Telecommunications Public Limited Company | 19/09/2017 | 3520562 | 17771740.2 |        |
| 3520828 | LifeCell Corporation                              | 01/07/2013 | 3520828 | 19158081.0 |        |
| 3521598 | Bayerische Motoren Werke Aktiengesellschaft       | 22/01/2019 | 3521598 | 19152966.8 | German |
| 3521736 | LG Electronics Inc.                               | 19/07/2012 | 3521736 | 19158089.3 |        |
| 3521880 | Corning Optical Communications LLC                | 10/06/2016 | 3521880 | 19161028.6 |        |
| 3521942 | Mitsubishi Chemical Corporation                   | 29/09/2017 | 3521942 | 17856442.3 |        |
| 3521958 | Subaru Corporation                                | 21/11/2018 | 3521958 | 18207613.3 |        |
| 3522017 | Chicago Mercantile Exchange Inc.                  | 06/12/2018 | 3522017 | 18210767.2 |        |
| 3522080 | AO Kaspersky Lab                                  | 06/11/2018 | 3522080 | 18204711.8 |        |
| 3522177 | Martellini, Maurizio Gherardi, Giuseppe           | 31/01/2019 | 3522177 | 19154719.9 |        |
| 3522518 | Sony Corporation                                  | 17/06/2015 | 3522518 | 19162688.6 |        |
| 3522615 | Kyocera Corporation                               | 04/04/2011 | 3522615 | 19164295.8 |        |
| 3523001 | Memento S.r.L.                                    | 06/10/2017 | 3523001 | 17791169.0 |        |
| 3523115 | Siempelkamp Maschinen- und Anlagenbau GmbH        | 19/06/2018 | 3523115 | 18733229.1 | German |
| 3523150 | Hutchinson                                        | 10/10/2016 | 3523150 | 16836151.7 |        |
| 3523164 | Valeo Systèmes d'Essuyage                         | 24/08/2017 | 3523164 | 17758500.7 | French |
| 3523197 | Bombardier Inc.                                   | 28/09/2017 | 3523197 | 17781607.1 |        |
| 3523524 | Volkswagen Aktiengesellschaft                     | 28/09/2017 | 3523524 | 17777250.6 | German |
| 3523550 | Tallano Technologie                               | 05/10/2017 | 3523550 | 17780106.5 |        |
| 3524200 | Zimmer, Inc.                                      | 21/12/2018 | 3524200 | 18215519.2 |        |
| 3524255 | Rottapharm Ltd.                                   | 23/02/2016 | 3524255 | 19161351.2 |        |
| 3524328 | Sony Interactive Entertainment Inc.               | 23/05/2014 | 3524328 | 19166648.6 |        |
| 3524434 | BROTHER KOGYO KABUSHIKI KAISHA                    | 31/07/2017 | 3524434 | 19167667.5 |        |
| 3524469 | Adient Engineering and IP GmbH                    | 24/01/2019 | 3524469 | 19153426.2 |        |
| 3524498 | HONDA MOTOR CO., LTD.                             | 22/01/2019 | 3524498 | 19153125.0 |        |
| 3524596 | Crossing S.r.l.                                   | 22/12/2015 | 3524596 | 19165931.7 |        |
| 3524637 | DAIKIN INDUSTRIES, LTD.                           | 30/01/2019 | 3524637 | 19154442.8 |        |

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| 3524778 | MTU Aero Engines AG                                                                | 11/02/2019 | 3524778 | 19156350.1 | German |
| 3524781 | MTU Aero Engines AG                                                                | 08/02/2019 | 3524781 | 19156113.3 | German |
| 3524787 | Mazda Motor Corporation                                                            | 13/10/2017 | 3524787 | 17861707.2 |        |
| 3524815 | Microjet Technology Co., Ltd                                                       | 04/01/2019 | 3524815 | 19150330.9 |        |
| 3524850 | Kubota Corporation                                                                 | 07/06/2018 | 3524850 | 19166588.4 |        |
| 3524859 | Robert Bosch GmbH                                                                  | 08/02/2018 | 3524859 | 18155657.2 |        |
| 3524865 | Safran Aero Boosters S.A.                                                          | 13/07/2016 | 3524865 | 19166788.0 | French |
| 3524866 | Safran Aero Boosters S.A.                                                          | 13/07/2016 | 3524866 | 19166793.0 | French |
| 3524925 | Diehl Defence GmbH & Co. KG                                                        | 06/02/2019 | 3524925 | 19155665.3 | German |
| 3525196 | True Heading AB                                                                    | 08/11/2013 | 3525196 | 19167312.8 |        |
| 3525261 | Ethicon LLC                                                                        | 04/03/2016 | 3525261 | 19165257.7 |        |
| 3525306 | Nexans                                                                             | 09/02/2018 | 3525306 | 18305138.2 | German |
| 3525594 | Intercontinental Great Brands LLC                                                  | 05/10/2017 | 3525594 | 17800588.0 |        |
| 3525957 | Realizer GmbH                                                                      | 26/09/2017 | 3525957 | 17777862.8 | German |
| 3526061 | Compagnie Générale des<br>Etablissements Michelin                                  | 09/10/2017 | 3526061 | 17793705.9 | French |
| 3526189 | Dow AgroSciences LLC                                                               | 09/10/2017 | 3526189 | 17787817.0 |        |
| 3526291 | Wacker Chemie AG                                                                   | 12/10/2016 | 3526291 | 16788459.2 | German |
| 3526427 | Saygivar, Fiona Gabriella<br>Saygivar, Sharon Naomi<br>Saygivar, Lisa Marie        | 16/10/2017 | 3526427 | 17794664.7 | German |
| 3526535 | Valeo Termico S.A.                                                                 | 16/10/2017 | 3526535 | 17784292.9 |        |
| 3527028 | QUALCOMM Incorporated                                                              | 22/09/2017 | 3527028 | 17784084.0 |        |
| 3527234 | Cook Medical Technologies LLC                                                      | 14/02/2019 | 3527234 | 19157298.1 |        |
| 3527237 | KCI Licensing, Inc.                                                                | 19/09/2014 | 3527237 | 19166985.2 |        |
| 3527250 | Clearstream Technologies Limited                                                   | 31/12/2013 | 3527250 | 19166762.5 |        |
| 3527492 | Bell Helicopter Textron Inc.                                                       | 29/01/2019 | 3527492 | 19154286.9 |        |
| 3527789 | MTU Aero Engines AG                                                                | 13/02/2019 | 3527789 | 19156948.2 | German |
| 3527806 | Mazda Motor Corporation                                                            | 12/10/2017 | 3527806 | 17860497.1 |        |
| 3527827 | Danfoss Power Solutions GmbH & Co.<br>OHG                                          | 11/02/2019 | 3527827 | 19156386.5 |        |
| 3527852 | Kubota Corporation                                                                 | 07/06/2018 | 3527852 | 19166589.2 |        |
| 3527958 | TECAN TRADING AG                                                                   | 31/05/2016 | 3527958 | 19166596.7 | German |
| 3528046 | Kaneka Corporation                                                                 | 02/07/2013 | 3528046 | 19160493.3 |        |
| 3528363 | Mitsubishi Electric Corporation<br>Mitsubishi Electric Home Appliance<br>Co., Ltd. | 13/10/2016 | 3528363 | 16918585.7 |        |

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|---------|------------------------------------------------------------------------------------------------------------------------|------------|---------|------------|--------|
| 3528411 | Sun Patent Trust                                                                                                       | 14/02/2011 | 3528411 | 19169239.1 |        |
| 3528443 | Thales<br>Institut National Polytechnique De<br>Toulouse (INPT)<br>CENTRE NATIONAL DE LA<br>RECHERCHE SCIENTIFIQUE     | 12/02/2019 | 3528443 | 19156763.5 | French |
| 3528534 | Elta Systems Ltd.                                                                                                      | 23/11/2011 | 3528534 | 19167913.3 |        |
| 3528634 | König Maschinen Gesellschaft m.b.H.                                                                                    | 20/10/2017 | 3528634 | 17791917.2 | German |
| 3529454 | FMC Technologies, Inc.                                                                                                 | 24/10/2016 | 3529454 | 16798310.5 |        |
| 3529557 | AGCO International GmbH                                                                                                | 23/10/2017 | 3529557 | 17794853.6 |        |
| 3529673 | WAGO Verwaltungsgesellschaft mbH                                                                                       | 19/10/2017 | 3529673 | 17794404.8 | German |
| 3529792 | Cresno SA                                                                                                              | 17/10/2017 | 3529792 | 17797447.4 |        |
| 3529852 | CENTRE NATIONAL DE LA<br>RECHERCHE SCIENTIFIQUE<br>Universite Rennes 1<br>Centre National d'Etudes Spatiales<br>(CNES) | 16/10/2017 | 3529852 | 17783526.1 | French |
| 3530151 | Wanzl GmbH & Co. KGaA                                                                                                  | 06/02/2019 | 3530151 | 19155647.1 | German |
| 3530188 | Siemens Healthcare GmbH                                                                                                | 19/06/2018 | 3530188 | 18178537.9 | German |
| 3530506 | Dr. Schneider Kunststoffwerke GmbH                                                                                     | 14/12/2018 | 3530506 | 18212509.6 | German |
| 3530571 | Airbus Operations S.A.S.                                                                                               | 25/02/2019 | 3530571 | 19159025.6 | French |
| 3530879 | Riyanov, Andrey Valerevich                                                                                             | 29/12/2016 | 3530879 | 16867388.7 |        |
| 3530900 | VOLKSWAGEN<br>AKTIENGESELLSCHAFT                                                                                       | 14/02/2019 | 3530900 | 19157134.8 | German |
| 3531203 | Panasonic i-PRO Sensing Solutions<br>Co., Ltd.                                                                         | 11/01/2019 | 3531203 | 19151378.7 |        |
| 3531458 | (CNBM) Bengbu Design & Research<br>Institute for Glass Industry Co., Ltd.                                              | 23/02/2018 | 3531458 | 18158484.8 | German |
| 3531577 | Huawei Technologies Co., Ltd.                                                                                          | 04/01/2018 | 3531577 | 18736704.0 |        |
| 3531621 | Huawei Technologies Co., Ltd.                                                                                          | 21/07/2017 | 3531621 | 17879733.8 |        |
| 3531784 | GUANGDONG OPPO MOBILE<br>TELECOMMUNICATIONS CORP.,<br>LTD.                                                             | 26/12/2016 | 3531784 | 16924999.2 |        |
| 3531842 | Red Bull GmbH                                                                                                          | 27/10/2017 | 3531842 | 17808302.8 | German |
| 3531844 | Red Bull GmbH                                                                                                          | 27/10/2017 | 3531844 | 17808744.1 | German |
| 3531958 | SICAT GmbH & Co. KG                                                                                                    | 16/10/2017 | 3531958 | 17790726.8 | German |
| 3532570 | Nova Chemicals (International) S.A.                                                                                    | 19/10/2017 | 3532570 | 17808141.0 |        |

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|---------|-------------------------------------------------|------------|---------|------------|--------|
| 3532598 | Global Life Sciences Solutions USA LLC          | 26/10/2017 | 3532598 | 17790771.4 |        |
| 3532603 | PrecisionBiotics Group Limited                  | 28/02/2018 | 3532603 | 18707915.7 |        |
| 3532708 | I.V.A.R. S.P.A.                                 | 12/06/2018 | 3532708 | 18740646.7 |        |
| 3532709 | Bracalente, Angelo                              | 18/07/2018 | 3532709 | 18739568.6 |        |
| 3533178 | ALIBABA GROUP HOLDING LIMITED                   | 07/11/2018 | 3533178 | 18866296.9 |        |
| 3533487 | Palo Alto Research Center Incorporated          | 22/02/2019 | 3533487 | 19158967.0 |        |
| 3533526 | NSK Ltd.                                        | 25/10/2018 | 3533526 | 18878203.1 |        |
| 3533546 | OSG Corporation                                 | 08/01/2018 | 3533546 | 18758530.2 |        |
| 3533573 | BIESSE S.p.A.                                   | 01/03/2019 | 3533573 | 19160382.8 |        |
| 3533948 | Xtralite (Rooflights) Limited                   | 27/02/2019 | 3533948 | 19159678.2 | German |
| 3533978 | Isuzu Motors Limited                            | 24/10/2017 | 3533978 | 17865185.7 |        |
| 3534422 | Taiwan Semiconductor Manufacturing Company, Ltd | 18/02/2019 | 3534422 | 19157883.0 |        |
| 3534565 | Alibaba Group Holding Limited                   | 18/10/2017 | 3534565 | 17865571.8 |        |
| 3534671 | Samsung Electronics Co., Ltd.                   | 02/12/2015 | 3534671 | 19170625.8 |        |
| 3534847 | Zimmer, Inc.                                    | 01/11/2017 | 3534847 | 17817317.5 |        |
| 3535125 | Koenig & Bauer AG                               | 12/10/2017 | 3535125 | 17788179.4 | German |
| 3535154 | Volkswagen Aktiengesellschaft                   | 28/09/2017 | 3535154 | 17780684.1 | German |
| 3535369 | The Procter & Gamble Company                    | 01/11/2017 | 3535369 | 17804716.3 |        |
| 3535370 | The Procter & Gamble Company                    | 01/11/2017 | 3535370 | 17805018.3 |        |
| 3535371 | The Procter & Gamble Company                    | 01/11/2017 | 3535371 | 17805019.1 |        |
| 3535372 | The Procter & Gamble Company                    | 01/11/2017 | 3535372 | 17805020.9 |        |
| 3535373 | The Procter & Gamble Company                    | 01/11/2017 | 3535373 | 17808222.8 |        |
| 3535801 | Duracell U.S. Operations, Inc.                  | 01/11/2017 | 3535801 | 17800664.9 |        |
| 3535835 | Atlas Copco Airpower, Naamloze Vennootschap     | 30/10/2017 | 3535835 | 17805260.1 |        |
| 3535844 | Google LLC                                      | 28/09/2017 | 3535844 | 17787994.7 |        |
| 3536148 | horizont group gmbh                             | 11/01/2019 | 3536148 | 19151475.1 | German |
| 3536365 | Medikit Co., Ltd.                               | 05/10/2012 | 3536365 | 18208955.7 |        |
| 3536499 | XYZprinting, Inc.<br>Kinpo Electronics, Inc.    | 02/07/2018 | 3536499 | 18181239.7 |        |
| 3536566 | Kanzaki Kokyukoki Mfg. Co., Ltd.                | 05/03/2019 | 3536566 | 19160773.8 |        |
| 3536585 | PSA Automobiles SA                              | 06/02/2019 | 3536585 | 19155720.6 | French |
| 3536716 | LG Chem, Ltd.                                   | 14/09/2018 | 3536716 | 18862735.0 |        |
| 3537181 | Accord Ideation Private Limited                 | 04/06/2018 | 3537181 | 18175787.3 |        |

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| 3537470 | JEOL LTD.                                            | 01/03/2019 | 3537470 | 19160394.3 |        |
| 3537601 | Nissan Motor Co., Ltd.                               | 01/11/2016 | 3537601 | 16920477.3 |        |
| 3537668 | T-Mobile USA, Inc.                                   | 08/10/2015 | 3537668 | 19169681.4 |        |
| 3537735 | Samsung Electronics Co., Ltd.                        | 16/11/2017 | 3537735 | 17880633.7 |        |
| 3537909 | Alpinestars Research SRL                             | 10/11/2017 | 3537909 | 17800805.8 |        |
| 3538233 | Antonio Zamperla S.p.A.                              | 11/11/2016 | 3538233 | 16795034.4 |        |
| 3538308 | Westinghouse Electric Germany GmbH                   | 07/11/2017 | 3538308 | 17828840.3 | German |
| 3538399 | SAINT-GOBAIN GLASS FRANCE                            | 09/11/2017 | 3538399 | 17804106.7 | German |
| 3538849 | Safran Electronics & Defense                         | 27/10/2017 | 3538849 | 17792037.8 | French |
| 3538976 | Microsoft Technology Licensing, LLC                  | 04/12/2017 | 3538976 | 17818384.4 |        |
| 3538986 | Google LLC                                           | 20/09/2017 | 3538986 | 17783618.6 |        |
| 3539431 | GOJO Industries, Inc.                                | 09/04/2015 | 3539431 | 19171796.6 |        |
| 3539658 | NIPPON STEEL Chemical & Material Co., Ltd.           | 24/12/2014 | 3539658 | 19164484.8 |        |
| 3539685 | Lisi Aerospace                                       | 11/03/2019 | 3539685 | 19161909.7 | French |
| 3539710 | Rolls-Royce plc<br>Rolls-Royce Power Engineering PLC | 05/03/2019 | 3539710 | 19160696.1 |        |
| 3539864 | The Boeing Company                                   | 13/02/2019 | 3539864 | 19156866.6 |        |
| 3540029 | Technip France                                       | 08/07/2016 | 3540029 | 19171740.4 |        |
| 3540037 | The Procter & Gamble Company                         | 09/05/2017 | 3540037 | 19168301.0 |        |
| 3540292 | Ares S.r.l.                                          | 28/02/2019 | 3540292 | 19160009.7 |        |
| 3540430 | NGK INSULATORS, LTD.                                 | 01/03/2019 | 3540430 | 19160195.4 |        |
| 3540758 | Agilent Technologies, Inc. (A Delaware Corporation)  | 08/03/2019 | 3540758 | 19161656.4 |        |
| 3540906 | Ascending Energy Inc.                                | 07/03/2019 | 3540906 | 19275028.9 |        |
| 3540955 | GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD. | 26/10/2018 | 3540955 | 18202827.4 |        |
| 3540962 | GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD. | 06/11/2018 | 3540962 | 18204578.1 |        |
| 3540966 | GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD. | 08/11/2018 | 3540966 | 18205243.1 |        |
| 3540968 | GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD. | 12/11/2018 | 3540968 | 18205629.1 |        |

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| 3540970 | GUANGDONG OPPO MOBILE<br>TELECOMMUNICATIONS CORP.,<br>LTD.                                                                                    | 30/11/2018 | 3540970 | 18209410.2 |        |
| 3541015 | Huawei Technologies Co., Ltd.                                                                                                                 | 07/12/2017 | 3541015 | 17892814.9 |        |
| 3541105 | Huawei Technologies Co., Ltd.                                                                                                                 | 31/07/2017 | 3541105 | 17908356.3 |        |
| 3541548 | Danieli & C. Officine Meccaniche<br>S.p.A.                                                                                                    | 17/11/2017 | 3541548 | 17817121.1 |        |
| 3541622 | Dow Global Technologies LLC                                                                                                                   | 10/11/2017 | 3541622 | 17807981.0 |        |
| 3541624 | Covestro Deutschland AG                                                                                                                       | 16/11/2017 | 3541624 | 17798212.1 | German |
| 3541637 | Compagnie Générale des<br>Etablissements Michelin                                                                                             | 09/11/2017 | 3541637 | 17801085.6 | French |
| 3541733 | Futura S.p.A.                                                                                                                                 | 30/10/2017 | 3541733 | 17829334.6 |        |
| 3541750 | Chevron U.S.A. Inc.                                                                                                                           | 17/10/2017 | 3541750 | 17791869.5 |        |
| 3541767 | Isolfeu-Creation                                                                                                                              | 14/11/2017 | 3541767 | 17801431.2 | French |
| 3541857 | Basell Poliolefine Italia S.r.l.                                                                                                              | 10/11/2017 | 3541857 | 17794983.1 |        |
| 3541861 | BYK-Chemie GmbH                                                                                                                               | 14/11/2017 | 3541861 | 17797644.6 | German |
| 3542061 | Albertin, Edoardo<br>Boin, Giacomo<br>Vedovato, Flavio                                                                                        | 09/11/2017 | 3542061 | 17794350.3 |        |
| 3542958 | Essilor International                                                                                                                         | 19/03/2019 | 3542958 | 19163870.9 |        |
| 3543065 | FAURECIA Sièges d'Automobile                                                                                                                  | 19/03/2019 | 3543065 | 19163923.6 | French |
| 3543197 | GEDA-Dechentreiter GmbH & Co. KG.                                                                                                             | 19/03/2019 | 3543197 | 19163811.3 | German |
| 3543314 | Merck Patent GmbH                                                                                                                             | 20/03/2019 | 3543314 | 19163936.8 |        |
| 3543435 | Jasieczko, Slawomir                                                                                                                           | 20/03/2019 | 3543435 | 19460011.0 |        |
| 3543887 | Deutsche Telekom AG                                                                                                                           | 18/03/2019 | 3543887 | 19163458.3 |        |
| 3544067 | NICHIA CORPORATION                                                                                                                            | 15/05/2012 | 3544067 | 19166558.7 |        |
| 3544273 | Samsung Electronics Co., Ltd.                                                                                                                 | 24/07/2015 | 3544273 | 19168239.2 |        |
| 3544464 | Intercos S.p.A.                                                                                                                               | 20/11/2017 | 3544464 | 17807790.5 |        |
| 3544569 | Sartorius Stedim FMT SAS                                                                                                                      | 22/11/2017 | 3544569 | 17822359.0 | French |
| 3544698 | Kuth, Rudolf                                                                                                                                  | 20/11/2017 | 3544698 | 17818421.4 | German |
| 3544966 | NOVARTIS AG                                                                                                                                   | 11/02/2019 | 3544966 | 19714298.7 |        |
| 3545071 | Ecole Nationale Supérieure de Chimie<br>de Clermont Ferrand<br>Centre National de la Recherche<br>Scientifique (CNRS)<br>Université de Nantes | 24/11/2017 | 3545071 | 17823035.5 | French |
| 3545326 | Technische Universität München                                                                                                                | 13/11/2018 | 3545326 | 18796984.5 |        |

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|---------|------------------------------------------------------|------------|---------|------------|--------|
| 3545447 | OpenTV, Inc.                                         | 27/11/2017 | 3545447 | 17809431.4 |        |
| 3545585 | The Antenna Company International<br>N.V.            | 22/11/2017 | 3545585 | 17817256.5 |        |
| 3545786 | Shenzhen Y&M Jewelry Co., Ltd.                       | 22/06/2018 | 3545786 | 18179337.3 |        |
| 3545807 | LG Electronics Inc.                                  | 17/07/2017 | 3545807 | 19169600.4 |        |
| 3545845 | Medizinische Hochschule Hannover                     | 29/03/2018 | 3545845 | 18164933.6 |        |
| 3546283 | Adient Engineering and IP GmbH                       | 22/03/2019 | 3546283 | 19164549.8 |        |
| 3546465 | Evonik Operations GmbH                               | 28/03/2018 | 3546465 | 18164574.8 | German |
| 3546855 | Mitsubishi Electric Corporation                      | 22/11/2016 | 3546855 | 16922563.8 |        |
| 3547393 | Acer Incorporated                                    | 26/07/2018 | 3547393 | 18185647.7 |        |
| 3547458 | GigaLane Co., Ltd.                                   | 19/03/2019 | 3547458 | 19163691.9 |        |
| 3547460 | Gigalane Co., Ltd.                                   | 20/03/2019 | 3547460 | 19163931.9 |        |
| 3547464 | Yazaki Corporation                                   | 14/03/2019 | 3547464 | 19162756.1 |        |
| 3547715 | Shenzhen Grandsun Electronic Co., Ltd.               | 29/03/2019 | 3547715 | 19166248.5 |        |
| 3548061 | Lancaster University Business<br>Enterprises Limited | 04/12/2017 | 3548061 | 17811693.5 |        |
| 3548255 | Graf Synergy S.r.l.                                  | 28/11/2017 | 3548255 | 17817153.4 |        |
| 3548382 | Naval Group                                          | 29/11/2017 | 3548382 | 17816555.1 | French |
| 3548393 | Aptar Freyung GmbH<br>AptarGroup, Inc.               | 06/11/2017 | 3548393 | 17793963.4 |        |
| 3548661 | Voith Patent GmbH                                    | 10/11/2017 | 3548661 | 17797150.4 | German |
| 3548743 | Siemens Aktiengesellschaft                           | 23/01/2017 | 3548743 | 17703048.3 | German |
| 3548886 | BP Corporation North America Inc.                    | 28/11/2017 | 3548886 | 17822819.3 |        |
| 3548920 | Koninklijke Philips N.V.                             | 27/11/2017 | 3548920 | 17804198.4 |        |
| 3549104 | Koninklijke Philips N.V.                             | 22/11/2017 | 3549104 | 17832198.0 |        |
| 3549193 | Audi AG                                              | 16/11/2017 | 3549193 | 17801681.2 | German |
| 3549387 | Samsung Electronics Co., Ltd.                        | 02/01/2018 | 3549387 | 18736081.3 |        |
| 3549396 | Illinois Tool Works, Inc.                            | 17/11/2017 | 3549396 | 17817368.8 |        |
| 3549794 | SUMITOMO RUBBER INDUSTRIES<br>LIMITED                | 13/03/2019 | 3549794 | 19162634.0 |        |
| 3549806 | Yazaki Corporation                                   | 02/04/2019 | 3549806 | 19166717.9 |        |
| 3550004 | Euro-Protein GmbH                                    | 03/04/2018 | 3550004 | 18165402.1 | German |
| 3550735 | Huawei Technologies Co., Ltd.                        | 04/01/2018 | 3550735 | 18736344.5 |        |
| 3550839 | Sony Corporation                                     | 11/03/2014 | 3550839 | 19173497.9 |        |
| 3550921 | Telefonaktiebolaget LM Ericsson (publ)               | 02/11/2015 | 3550921 | 19176963.7 |        |
| 3551082 | Koninklijke Philips N.V.                             | 08/12/2017 | 3551082 | 17829140.7 |        |
| 3551857 | Vitesco Technologies GmbH                            | 11/12/2017 | 3551857 | 17811954.1 | German |

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| 3551955 | Siemens Aktiengesellschaft                                                                                  | 15/12/2017 | 3551955 | 17837867.5 | German |
| 3552435 | Shenzhen Goodix Technology Co., Ltd.                                                                        | 29/01/2018 | 3552435 | 18702653.9 |        |
| 3552839 | TOYOTA JIDOSHA KABUSHIKI<br>KAISHA                                                                          | 03/04/2019 | 3552839 | 19167126.2 |        |
| 3552843 | Sumitomo Rubber Industries, Ltd.                                                                            | 23/01/2019 | 3552843 | 19153327.2 |        |
| 3552996 | Aerocom GmbH & Co.<br>Communicationssysteme                                                                 | 09/04/2019 | 3552996 | 19168214.5 | German |
| 3553285 | Rolls-Royce plc                                                                                             | 11/03/2019 | 3553285 | 19161932.9 |        |
| 3553363 | Staubli Faverges                                                                                            | 11/04/2019 | 3553363 | 19168583.3 | French |
| 3553790 | Rolls-Royce Power Engineering PLC                                                                           | 13/03/2019 | 3553790 | 19162499.8 |        |
| 3553993 | Sharp Kabushiki Kaisha                                                                                      | 09/07/2010 | 3553993 | 19177074.2 |        |
| 3554127 | Panasonic Intellectual Property<br>Corporation of America                                                   | 26/10/2011 | 3554127 | 19178724.1 |        |
| 3554181 | China Mobile Communication Co., Ltd<br>Research Institute<br>China Mobile Communications Group<br>Co., Ltd. | 25/12/2017 | 3554181 | 17882822.4 |        |
| 3554607 | Xiros Limited                                                                                               | 15/12/2017 | 3554607 | 17825281.3 |        |
| 3554828 | Borealis AG                                                                                                 | 14/12/2017 | 3554828 | 17818526.0 |        |
| 3554896 | Renault S.A.S.                                                                                              | 14/12/2017 | 3554896 | 17811618.2 | French |
| 3555172 | Covestro Deutschland AG                                                                                     | 18/12/2017 | 3555172 | 17816851.4 | German |
| 3555301 | Danisco US Inc.                                                                                             | 15/12/2017 | 3555301 | 17826094.9 |        |
| 3555444 | Tajfun Planina Proizvodnja Strojev,<br>D.o.o.                                                               | 09/04/2018 | 3555444 | 18731229.3 |        |
| 3556251 | Fama Sofas, S.L.U.                                                                                          | 11/04/2019 | 3556251 | 19168630.2 |        |
| 3556501 | Klingelberg GmbH                                                                                            | 01/04/2019 | 3556501 | 19166536.3 | German |
| 3556689 | Ocado Innovation Limited                                                                                    | 24/07/2014 | 3556689 | 19178591.4 |        |
| 3557181 | Stanley Black & Decker, Inc.                                                                                | 03/11/2016 | 3557181 | 19177403.3 |        |
| 3557386 | Sony Corporation                                                                                            | 19/03/2013 | 3557386 | 19173080.3 |        |
| 3557461 | Spotify AB                                                                                                  | 17/04/2019 | 3557461 | 19169797.8 |        |
| 3557756 | Denso Corporation                                                                                           | 08/12/2017 | 3557756 | 17882039.5 |        |
| 3557948 | Insta GmbH                                                                                                  | 05/02/2019 | 3557948 | 19155402.1 | German |
| 3558772 | Freni Brembo S.p.A.                                                                                         | 22/12/2017 | 3558772 | 17830026.5 |        |
| 3558816 | Safran Electronics & Defense<br>Safran                                                                      | 13/12/2017 | 3558816 | 17816774.8 | French |
| 3558817 | Safran Electronics & Defense                                                                                | 13/12/2017 | 3558817 | 17822226.1 | French |

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|---------|-------------------------------------------------------------|------------|---------|------------|--------|
| 3559118 | Rheonova<br>Centre National de la Recherche<br>Scientifique | 18/12/2017 | 3559118 | 17828959.1 | French |
| 3559136 | Total Marketing Services                                    | 20/12/2017 | 3559136 | 17828983.1 | French |
| 3559714 | Boston Scientific Scimed Inc.                               | 19/12/2017 | 3559714 | 17829828.7 |        |
| 3559944 | Google LLC                                                  | 30/10/2017 | 3559944 | 17804349.3 |        |
| 3560142 | Alibaba Group Holding Limited                               | 13/12/2018 | 3560142 | 18866176.3 |        |
| 3560467 | Unicharm Corporation                                        | 19/12/2017 | 3560467 | 17894650.5 |        |
| 3560712 | XYZprinting, Inc.<br>Kinpo Electronics, Inc.                | 09/07/2018 | 3560712 | 18182447.5 |        |
| 3560842 | Airbus Defence and Space, S.A.                              | 22/12/2016 | 3560842 | 16840313.7 |        |
| 3561040 | cytena GmbH                                                 | 23/04/2019 | 3561040 | 19020304.2 | German |
| 3561261 | Mahle International GmbH                                    | 11/04/2017 | 3561261 | 19178239.0 | German |
| 3561321 | YAMAHA HATSUDOKI<br>KABUSHIKI KAISHA                        | 10/04/2019 | 3561321 | 19168349.9 |        |
| 3561349 | Honeywell International Inc.                                | 12/04/2019 | 3561349 | 19169129.4 |        |
| 3561466 | Airbus Operations, S.L.U.<br>Airbus Operations (S.A.S.)     | 24/04/2018 | 3561466 | 18382274.1 |        |
| 3561666 | Siemens Schweiz AG                                          | 23/11/2018 | 3561666 | 18208054.9 |        |
| 3561968 | Schneider Electric Industries SAS                           | 21/02/2019 | 3561968 | 19158464.8 | French |
| 3562455 | Ontex BVBA<br>Ontex Group NV                                | 21/12/2017 | 3562455 | 17825527.9 |        |
| 3563038 | Wirtgen GmbH                                                | 30/11/2017 | 3563038 | 17808434.9 | German |
| 3563068 | Vestas Wind Systems A/S                                     | 17/11/2017 | 3563068 | 17804437.6 |        |
| 3563536 | Samsung Electronics Co., Ltd.                               | 26/01/2018 | 3563536 | 18747446.5 |        |
| 3563905 | Boston Scientific Neuromodulation<br>Corporation            | 05/10/2011 | 3563905 | 19173493.8 |        |
| 3564056 | VALEO EMBRAYAGES                                            | 29/04/2019 | 3564056 | 19171643.0 | French |
| 3564068 | CYBEX GmbH                                                  | 09/09/2016 | 3564068 | 19173486.2 | German |
| 3564498 | Rolls-Royce plc                                             | 02/04/2019 | 3564498 | 19166673.4 |        |
| 3564499 | Rolls-Royce plc                                             | 02/04/2019 | 3564499 | 19166674.2 |        |
| 3564731 | Alibaba Group Holding Limited                               | 26/02/2018 | 3564731 | 18756597.3 |        |
| 3564794 | Spotify AB                                                  | 03/05/2018 | 3564794 | 18170555.9 |        |
| 3565069 | DENSO CORPORATION                                           | 11/12/2017 | 3565069 | 17886337.9 |        |
| 3565190 | AIRBUS OPERATIONS (S.A.S.)<br>Airbus Operations GmbH        | 06/07/2018 | 3565190 | 19176686.4 | French |

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| 3565634 | Varian Medical Systems International AG                                                                                | 03/01/2018 | 3565634 | 18704140.5 |        |
| 3566045 | Technische Universität Braunschweig                                                                                    | 03/01/2018 | 3566045 | 18700637.4 | German |
| 3566905 | MAGNA STEYR Fahrzeugtechnik AG & Co KG                                                                                 | 07/05/2018 | 3566905 | 18171039.3 | German |
| 3566943 | Hamilton Sundstrand Corporation                                                                                        | 07/05/2019 | 3566943 | 19173057.1 |        |
| 3567040 | Amgen, Inc                                                                                                             | 24/06/2014 | 3567040 | 19181689.1 |        |
| 3567450 | GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.                                                                   | 29/12/2016 | 3567450 | 19176746.6 |        |
| 3567716 | Nanjing Chervon Industry Co., Ltd.                                                                                     | 13/02/2018 | 3567716 | 18756583.3 |        |
| 3567792 | Samsung Electronics Co., Ltd.                                                                                          | 22/07/2016 | 3567792 | 19184102.2 |        |
| 3567823 | Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V. Friedrich-Alexander-Universität Erlangen-Nürnberg | 31/03/2016 | 3567823 | 19183131.2 |        |
| 3568222 | Koch-Glitsch, LP                                                                                                       | 10/01/2018 | 3568222 | 18701581.3 |        |
| 3568346 | thyssenkrupp Marine Systems GmbH thyssenkrupp AG                                                                       | 02/01/2018 | 3568346 | 18700846.1 | German |
| 3568518 | Nike Innovate C.V.                                                                                                     | 13/02/2018 | 3568518 | 18707543.7 |        |
| 3568592 | Siemens Gamesa Renewable Energy A/S                                                                                    | 08/12/2017 | 3568592 | 17837863.4 |        |
| 3569215 | Klaf's GmbH & Co. KG                                                                                                   | 17/05/2018 | 3569215 | 18172958.3 | German |
| 3570992 | Nemak, S.A.B. de C.V.                                                                                                  | 17/01/2018 | 3570992 | 18709763.9 | German |
| 3571062 | Orell Füssli AG                                                                                                        | 18/04/2017 | 3571062 | 17718802.6 |        |
| 3571474 | Robert Bosch GmbH                                                                                                      | 20/11/2017 | 3571474 | 17803889.9 | German |
| 3572760 | CTS Cooling Tower Solutions GmbH                                                                                       | 13/05/2019 | 3572760 | 19174070.3 | German |
| 3572819 | Brüel & Kjaer Sound & Vibration Measurement A/S                                                                        | 25/05/2018 | 3572819 | 18174296.6 |        |
| 3572877 | Shin-Etsu Chemical Co., Ltd.                                                                                           | 13/05/2019 | 3572877 | 19173981.2 |        |
| 3573023 | Universität Kassel                                                                                                     | 21/03/2019 | 3573023 | 19164316.2 | German |
| 3573184 | YAZAKI CORPORATION                                                                                                     | 10/04/2019 | 3573184 | 19168344.0 |        |
| 3573467 | Frito-Lay North America, Inc.                                                                                          | 02/02/2018 | 3573467 | 18705109.9 |        |
| 3573478 | Frito-Lay North America, Inc.                                                                                          | 02/02/2018 | 3573478 | 18705110.7 |        |
| 3573846 | Bridgestone Corporation                                                                                                | 23/01/2018 | 3573846 | 18701169.7 |        |
| 3574708 | Solaronics S.A.                                                                                                        | 09/01/2018 | 3574708 | 18700117.7 |        |
| 3574852 | Heraeus Medical GmbH                                                                                                   | 03/04/2019 | 3574852 | 19167014.0 | German |

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| 3575538 | Promani Srl                                                     | 17/05/2019 | 3575538 | 19175176.7 |        |
| 3575550 | Rolls-Royce Corporation                                         | 07/05/2019 | 3575550 | 19173005.0 |        |
| 3575655 | TI Automotive (Fuldabrück) GmbH                                 | 29/05/2018 | 3575655 | 18174920.1 | German |
| 3577253 | Cerazit Austria Gesellschaft m.b.H.                             | 23/01/2018 | 3577253 | 18707218.6 | German |
| 3577518 | CooperVision International Holding Company, LP                  | 27/04/2018 | 3577518 | 18722188.2 |        |
| 3578108 | Fujifilm Corporation                                            | 18/01/2018 | 3578108 | 18747372.3 |        |
| 3578324 | SICK AG                                                         | 10/05/2019 | 3578324 | 19173862.4 | German |
| 3579062 | Seiko Epson Corporation                                         | 31/05/2019 | 3579062 | 19177640.0 |        |
| 3579909 | Pedersen, Wesley Robert Sorajja, Paul                           | 04/12/2018 | 3579909 | 18829581.0 |        |
| 3580263 | Wacker Chemie AG                                                | 30/10/2017 | 3580263 | 17791397.7 | German |
| 3580384 | Arçelik Anonim Sirketi                                          | 08/02/2017 | 3580384 | 17707189.1 |        |
| 3582573 | Sun Patent Trust                                                | 06/02/2013 | 3582573 | 19190349.1 |        |
| 3582582 | Deutsche Telekom AG                                             | 15/06/2018 | 3582582 | 18177990.1 |        |
| 3582967 | Audi AG                                                         | 15/06/2018 | 3582967 | 18734134.2 | German |
| 3583247 | Siltronic AG                                                    | 13/02/2018 | 3583247 | 18705135.4 | German |
| 3583594 | Google LLC                                                      | 29/03/2018 | 3583594 | 18718562.4 |        |
| 3584419 | TOYOTA JIDOSHA KABUSHIKI KAISHA<br>AISIN SEIKI KABUSHIKI KAISHA | 17/06/2019 | 3584419 | 19180622.3 |        |
| 3585210 | Paul Hettich GmbH & Co. KG                                      | 15/02/2018 | 3585210 | 18705903.5 | German |
| 3585211 | Julius Blum GmbH                                                | 08/02/2018 | 3585211 | 18707223.6 | German |
| 3585217 | Derndinger, Katrin                                              | 24/05/2018 | 3585217 | 18726995.6 | German |
| 3585258 | Koninklijke Philips N.V.                                        | 20/02/2018 | 3585258 | 18707876.1 |        |
| 3586236 | EVOCA S.P.A.                                                    | 19/10/2018 | 3586236 | 18803769.1 |        |
| 3586412 | Lumileds Holding B.V.                                           | 14/02/2018 | 3586412 | 18710764.4 |        |
| 3586754 | Fujifilm Corporation                                            | 18/06/2019 | 3586754 | 19180962.3 |        |
| 3587014 | Amada Holdings Co., Ltd.<br>Amada Machine Tools Co., Ltd        | 21/02/2018 | 3587014 | 18756795.3 |        |
| 3588078 | mitsubishi heavy industries, LTD.                               | 27/11/2018 | 3588078 | 18208695.9 |        |
| 3590026 | Signify Holding B.V.                                            | 26/02/2018 | 3590026 | 18706750.9 |        |
| 3590149 | Signify Holding B.V.                                            | 19/02/2018 | 3590149 | 18704570.3 |        |
| 3590248 | Netskope, Inc.                                                  | 14/09/2018 | 3590248 | 18789283.1 |        |
| 3590430 | Brainlab AG                                                     | 03/07/2014 | 3590430 | 19190526.4 |        |
| 3590772 | YAZAKI CORPORATION                                              | 28/06/2019 | 3590772 | 19183209.6 |        |

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| 3591112 | Derim S.r.l.                                                      | 21/06/2019 | 3591112 | 19181761.8 |        |
| 3591554 | Schlage Lock Company LLC                                          | 10/07/2015 | 3591554 | 19181073.8 |        |
| 3591941 | Wangsu Science & Technology Co., Ltd.                             | 14/06/2018 | 3591941 | 18821977.8 |        |
| 3591962 | SICK AG                                                           | 24/06/2019 | 3591962 | 19181907.7 | German |
| 3592233 | Koninklijke Philips N.V.                                          | 27/02/2018 | 3592233 | 18707906.6 |        |
| 3592545 | NIKE Innovate C.V.                                                | 19/10/2018 | 3592545 | 18807750.7 |        |
| 3593598 | Signify Holding B.V.                                              | 02/03/2018 | 3593598 | 18707064.4 |        |
| 3593636 | Q-Linea AB                                                        | 21/04/2016 | 3593636 | 19188705.8 |        |
| 3593747 | Creo Medical Limited                                              | 30/05/2017 | 3593747 | 19194947.8 |        |
| 3594493 | Bonfiglioli Riduttori S.p.A.                                      | 11/07/2019 | 3594493 | 19185664.0 |        |
| 3594559 | Collingwood Lighting Limited                                      | 23/04/2019 | 3594559 | 19170487.3 |        |
| 3596767 | Volkswagen AG<br>Audi AG                                          | 20/07/2018 | 3596767 | 18745554.8 | German |
| 3597278 | Icon Corporation                                                  | 13/12/2018 | 3597278 | 18212444.6 |        |
| 3597686 | EMS-Patent AG                                                     | 19/07/2018 | 3597686 | 18184505.8 | German |
| 3597845 | Danco S.p.A.                                                      | 10/07/2019 | 3597845 | 19185412.4 |        |
| 3598417 | Min Xin Technology Corp.                                          | 17/07/2018 | 3598417 | 18183957.2 |        |
| 3599004 | Hudora GmbH                                                       | 05/07/2019 | 3599004 | 19184716.9 | German |
| 3599145 | JTEKT CORPORATION                                                 | 22/07/2019 | 3599145 | 19187482.5 |        |
| 3599188 | Uhlmann Pac-Systeme GmbH & Co. KG                                 | 26/07/2018 | 3599188 | 18185814.3 | German |
| 3599211 | Otis Elevator Company                                             | 26/07/2018 | 3599211 | 18306011.0 |        |
| 3599919 | Saes Getters S.p.A.                                               | 17/07/2018 | 3599919 | 18750508.6 |        |
| 3600576 | Greenhouse-Team AG                                                | 16/11/2018 | 3600576 | 18803992.9 |        |
| 3601928 | Stoneage, Inc.                                                    | 19/03/2018 | 3601928 | 18772552.8 |        |
| 3603935 | Industrias Tecnológicas de<br>Mecanización y Automatización, S.A. | 03/08/2018 | 3603935 | 18000646.2 |        |
| 3605127 | LG Chem, Ltd.                                                     | 15/11/2018 | 3605127 | 18878495.3 |        |
| 3605139 | SICK AG                                                           | 19/07/2019 | 3605139 | 19187267.0 | German |
| 3605579 | Insta GmbH                                                        | 05/06/2019 | 3605579 | 19178316.6 | German |
| 3606435 | Koninklijke Philips N.V.                                          | 29/03/2018 | 3606435 | 18717540.1 |        |
| 3606508 | CAPNOMED GmbH                                                     | 24/06/2019 | 3606508 | 19733025.1 |        |
| 3606678 | GEO S.A.S. di Tazzoli Antonio & C.                                | 08/04/2019 | 3606678 | 19717210.9 |        |
| 3606767 | SAF-HOLLAND GmbH                                                  | 03/04/2018 | 3606767 | 18717283.8 | German |
| 3607778 | Qualcomm Incorporated                                             | 16/04/2018 | 3607778 | 18725338.0 |        |
| 3608087 | Sonics & Materials Inc.                                           | 05/07/2019 | 3608087 | 19184831.6 |        |

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|---------|---------------------------------------------------------|------------|---------|------------|--------|
| 3609119 | McAfee, LLC                                             | 27/03/2016 | 3609119 | 19201126.0 |        |
| 3609734 | MARTUR ITALY S.R.L.                                     | 17/04/2019 | 3609734 | 19726488.0 |        |
| 3610097 | Hydrostadium                                            | 12/04/2017 | 3610097 | 17717158.4 | French |
| 3610250 | Sensirion AG                                            | 23/04/2019 | 3610250 | 19718389.0 |        |
| 3612064 | Koninklijke Philips N.V.                                | 03/07/2018 | 3612064 | 18738264.3 |        |
| 3612381 | SABIC Global Technologies B.V.                          | 11/05/2018 | 3612381 | 18728973.1 |        |
| 3612612 | Emery Oleochemicals GmbH                                | 13/07/2018 | 3612612 | 18743730.6 |        |
| 3612888 | Carl Zeiss Vision International GmbH                    | 17/04/2018 | 3612888 | 18720507.5 |        |
| 3613254 | Telefonaktiebolaget LM Ericsson<br>(PUBL)               | 19/06/2018 | 3613254 | 18732747.3 |        |
| 3613301 | JT International S.A.                                   | 18/07/2006 | 3613301 | 19201872.9 |        |
| 3615372 | MARTUR ITALY S.R.L.                                     | 17/04/2019 | 3615372 | 19726490.6 |        |
| 3617726 | TOYOTA JIDOSHA KABUSHIKI<br>KAISHA                      | 19/07/2019 | 3617726 | 19187226.6 |        |
| 3618853 | Fibriant B.V.                                           | 24/04/2019 | 3618853 | 19722534.5 |        |
| 3619263 | Bridgestone Corporation                                 | 24/04/2018 | 3619263 | 18717958.5 |        |
| 3619274 | Wacker Chemie AG                                        | 04/02/2016 | 3619274 | 16704155.7 | German |
| 3619769 | Audi AG                                                 | 18/07/2018 | 3619769 | 18743759.5 | German |
| 3620331 | TOYOTA JIDOSHA KABUSHIKI<br>KAISHA                      | 08/08/2019 | 3620331 | 19190820.1 |        |
| 3622218 | ThermoChem Recovery International,<br>Inc.              | 10/07/2018 | 3622218 | 18746488.8 |        |
| 3623165 | Zetes S.A.                                              | 14/09/2018 | 3623165 | 18194637.7 |        |
| 3623818 | Bell Helicopter Textron Inc.                            | 20/11/2018 | 3623818 | 18207383.3 |        |
| 3624213 | Ningbo Zhongpeng Lithium Energy<br>Technology Co., Ltd. | 30/11/2018 | 3624213 | 18209446.6 |        |
| 3625783 | Konecranes Global Corporation                           | 14/05/2018 | 3625783 | 18724540.2 | German |
| 3625950 | Audi AG                                                 | 04/12/2018 | 3625950 | 18814863.9 | German |
| 3628267 | Hasson, Jean-Nicolas                                    | 18/09/2019 | 3628267 | 19198026.7 | French |
| 3628873 | PFEIFFER VACUUM GMBH                                    | 30/01/2015 | 3628873 | 19210176.4 | German |
| 3630492 | Tritron GmbH                                            | 29/05/2018 | 3630492 | 18734745.5 | German |
| 3631814 | Rolls-Royce Power Engineering PLC                       | 21/05/2018 | 3631814 | 18759854.5 |        |
| 3632701 | Corex Materials Corporation                             | 04/10/2018 | 3632701 | 18198536.7 |        |
| 3634943 | Lonza Ltd                                               | 24/09/2018 | 3634943 | 18779608.1 |        |
| 3636540 | AIRBUS HELICOPTERS<br>DEUTSCHLAND GmbH                  | 10/10/2018 | 3636540 | 18400029.7 |        |
| 3638066 | FERPLAST S.P.A.                                         | 12/06/2018 | 3638066 | 18735411.3 |        |

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|         |                                                      |            |         |            |        |
|---------|------------------------------------------------------|------------|---------|------------|--------|
| 3639525 | Audi AG                                              | 07/06/2018 | 3639525 | 18730329.2 | German |
| 3643845 | Kessel AG                                            | 25/10/2018 | 3643845 | 18202460.4 | German |
| 3650115 | HEION GmbH                                           | 12/11/2018 | 3650115 | 18205787.7 | German |
| 3651458 | SICK AG                                              | 08/11/2018 | 3651458 | 18205082.3 | German |
| 3657970 | PUMA SE                                              | 28/07/2017 | 3657970 | 17761437.7 |        |
| 3661870 | Quaglia, Luca<br>Collini, Marco<br>Scuttari, Giorgio | 27/07/2018 | 3661870 | 18746193.4 |        |
| 3662643 | Citrix Systems, Inc.                                 | 11/09/2018 | 3662643 | 18793282.7 |        |
| 3672405 | CSP Technologies, Inc.                               | 12/11/2019 | 3672405 | 19836870.6 |        |

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### Deemed to have been Withdrawn - Section 23(9)

|           |                                                                                                         |
|-----------|---------------------------------------------------------------------------------------------------------|
| S20190124 | A trailer and a multipurpose trailer. KEVIN MICHAEL BRADY                                               |
| S20190126 | Semantic Caching of Semi-Join in Shared-Nothing and Log-Structured Databases. SINDICE LIMITED T/A SIREN |

### Refused - Section 31(1)

|           |                                                                                                                         |
|-----------|-------------------------------------------------------------------------------------------------------------------------|
| S20160144 | Int. Cl. (2020.01) <b>A41C 3/00</b> . Silicone-backed elastic support strip for a bra. SUSAN SMYTH                      |
| 20200080  | Disinfection and/or sterilisation of gaming, gambling and amusement tools by Ultra-Violet irradiation. DR. TONY HERBERT |
| S20200086 | The handy pen sanitizer. IVAN MCCARTHY                                                                                  |
| 20200087  | Disinfection of gaming, gambling and amusement tools by photoactive and photocatalytic coatings. DR. TONY HERBERT       |
| 20200090  | Use of antagonists to the nuclear steroid receptor to inhibit coronaviruses. PATRICK T. PRENDERGAST                     |

### Withdrawn – Section 33(1)

|           |                                                                                                                                                                                 |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| S20180461 | Int. Cl. (2020.01) <b>G06Q 40/00; G06Q 10/00</b> . Method and apparatus for performing credit assessment in relation to loan applications. GRAPHICAL FINANCIAL ANALYSIS LIMITED |
| 20200144  | Int. Cl. (2020.01) <b>E04B 1/00</b> . A method of constructing a building. AITKEN INNOVATIONS INCORPORATED                                                                      |

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## Applications Lapsed Through Non-Payment of Renewal Fees

### Section (35) 1

|                  |                                                                                                                                                                      |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>S20180040</b> | Int. Cl. (2020.01) <b>B60H 1/00; F03D 9/00; F25B 1/00</b> . A process and apparatus for generating and pumping heated or cooled air into a building. PATRICK BRENNAN |
| <b>S20180041</b> | A wire tensioning device. DANIEL DOHERTY; SHANE HAGAN; SHANE DOBSON; SHANE GRIMES; LUKE HURSON                                                                       |

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## Patents Lapsed Through Non-Payment of Renewal Fees

*Please note that due to the high volume of lapsed patents (mostly European Patents designating the State which are not subsequently validated), details of these patents are no longer included in the printed version of the Journal. Instead, they are available to view on the online version of the journal at <https://www.ipoi.gov.ie/en/ip-search-tools/search-the-journal/>*

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## Patents Expired

|         |                                                                                                                                                  |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| 83937   | Int. Cl. (2020.01) <b>E05C 17/00; E05D 15/00</b> . Friction stay. JURRAS LIMITED                                                                 |
| 84054   | Int. Cl. (2020.01) <b>E05C 17/00; E05D 15/00</b> . Friction stay. JURRAS LIMITED                                                                 |
| S85756  | Int. Cl. (2020.01) <b>E21B 10/00; E21B 21/00; E21B 31/00</b> . An attachment for percussion drill tools. Mincon International                    |
| S85923  | Int. Cl. (2020.01) <b>C12C 11/00; C12C 12/00</b> . A beer brewing process. OLIVER GERARD HUGHES; PETER JAMES MOSLEY; LIAM LAHART; FRANCIS ENNIS  |
| S85930  | Int. Cl. (2020.01) <b>E04B 2/00; E04F 13/00</b> . A curtain walling system. DON REYNOLDS LIMITED                                                 |
| S86003  | Int. Cl. (2020.01) <b>F41G 1/00</b> . A gun attachment. JOHN O'HANRAHAN                                                                          |
| S86565  | Int. Cl. (2020.01) <b>B02C 13/00; B02C 19/00</b> . Under bar counter bottle crusher. THOMAS GRIFFITH                                             |
| 1076137 | Plasterboard. BPB plc                                                                                                                            |
| 1078610 | Hydraulic stent deployment system. Cordis Corporation                                                                                            |
| 1080641 | Composition and method for controlling biological growth using stabilized sodium hypobromite in synergistic combinations. NALCO CHEMICAL COMPANY |
| 1090559 | Steam peeling device. Kiremko B.V.                                                                                                               |
| 1092443 | Retracting needle syringe. Becton Dickinson and Company                                                                                          |

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|         |                                                                                                                                                     |
|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| 1117343 | GUIDED FILTER WITH SUPPORT WIRE. Boston Scientific Limited                                                                                          |
| 1144666 | REPLICATION DEFICIENT BACULOVIRUS EXPRESSION<br>SYSTEM. Natural Environment Research Council; OXFORD BROOKES<br>UNIVERSITY                          |
| 1184602 | Method for manufacturing a container provided with a pressure<br>compensation device and container thus manufactured. GVS S.P.A.                    |
| 1185030 | Method and system for remote control of household devices over the<br>Internet. smartbuilding AG                                                    |
| 1198577 | MUTANT GENE OF THE GRAS FAMILY AND PLANTS WITH<br>REDUCED DEVELOPMENT CONTAINING SAID MUTANT GENE.<br>INSTITUT NATIONAL DE LA RECHERCHE AGRONOMIQUE |
| 1200132 | NUCLEIC ACID AND AMINO ACID SEQUENCES OF INFECTIOUS<br>SALMON ANAEMIA VIRUS AND THEIR USE AS VACCINES.<br>Elanco Tiergesundheits AG                 |
| 1200340 | METHOD FOR PREPARING HIGHLY STABILISED<br>HYDROXYLAMINE SOLUTIONS. BASF AKTIENGESELLSCHAFT                                                          |
| 1200393 | OXIME AMIDES AND HYDRAZONE AMIDES HAVING<br>FUNGICIDAL ACTIVITY. Monsanto Technology LLC                                                            |
| 1200658 | IMPROVEMENTS IN OR RELATING TO SPACER FABRICS. JOHN<br>HEATHCOAT & COMPANY LIMITED; Relyon Limited;<br>MOTHERCARE UK LIMITED                        |
| 1200662 | METHOD OF PRODUCING STRETCHABLE FABRICS. ProFit<br>International Limited                                                                            |
| 1201648 | CARBAMATE DERIVATIVES AND<br>AGRICULTURAL/HORTICULTURAL BACTERICIDES. KUMIAI<br>CHEMICAL INDUSTRY CO., LTD.; IHARA CHEMICAL INDUSTRY<br>CO., LTD.   |
| 1202622 | MICROEMULSION COFORMULATION OF A GRAMINICIDE AND<br>A WATER-SOLUBLE HERBICIDE. Monsanto Technology LLC                                              |
| 1202722 | USES OF COMPOSITIONS FOR TREATING OR PREVENTING<br>SLEEP DISTURBANCES USING VERY LOW DOSES OF<br>CYCLOBENZAPRINE. Krele Pharmaceuticals, Inc.       |
| 1203299 | System and method for rapid protocol translation. Comverse Network<br>Systems, Ltd.                                                                 |

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- 1204739      ENHANCEMENT OF EXPRESSION OF A SINGLE-STRANDED,  
HETEROLOGOUS NUCLEOTIDE SEQUENCE FROM  
RECOMBINANT VIRAL VECTORS BY DESIGNING THE  
SEQUENCE SUCH THAT IT FORMS INTRAstrand BASE PAIRS.  
TARGETED GENETICS CORPORATION
- 1204791      IMPROVEMENTS IN OR RELATING TO SPACER FABRICS. JOHN  
HEATHCOAT & COMPANY LIMITED; Relyon Limited;  
MOTHERCARE UK LIMITED
- 1206200      VISOR ASSEMBLY. Derek's Patent B.V.
- 1206291      STERILIZED CYANOACRYLATE SOLUTIONS CONTAINING  
THICKENERS. Closure Medical Corporation
- 1206292      RESORBABLE BONE REPLACEMENT AND BONE FORMATION  
MATERIAL. Gerontocare GmbH
- 1206554      ACTIVATABLE RECOMBINANT NEUROTOXINS. ALLERGAN,  
INC.
- 1206555      FV ANTIBODY CONSTRUCT COMPRISING BINDING SITES FOR  
A CD16 RECEPTOR AND A CD30 SURFACE PROTEIN. Deutsches  
Krebsforschungszentrum Stiftung des öffentlichen Rechts
- 1206556      SIGNAL PEPTIDES ISOLATED FROM LACTOCOCCUS LACTIS.  
Bioneer A/S
- 1206867      TRANSPORT FORMAT COMBINATION INDICATOR MAPPING  
FOR TELECOMMUNICATIONS. TELEFONAKTIEBOLAGET LM  
ERICSSON (publ)
- 1206961      FILTER MEMBRANES FOR PHYSIOLOGICALLY ACTIVE  
SUBSTANCES. Asahi Kasei Medical Co., Ltd.
- 1207756      Use of spinosad or a formulation comprising spinosad. Elanco US Inc.
- 1207791      CONTROLLED INJECTION OF LIQUID EMBOLIC COMPOSITION.  
MICRO THERAPEUTICS, INC.
- 1207875      PHARMACEUTICALLY STABLE OXALIPLATINUM  
PREPARATION FOR PARENTERAL ADMINISTRATION.  
DEBIOPHARM S.A.
- 1207881      Pharmaceutical agent comprising a benzamide derivative as active  
ingredient. Bayer Intellectual Property GmbH
- 1208211      MEANS AND METHODS FOR MODIFYING GENE EXPRESSION  
USING UNPOLYADENYLATED RNA. COMMONWEALTH  
SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION
-

- 1208217 ANTIBODY DEPENDENT ENHANCEMENT (ADE) OF  
ALPHAVIRUS INFECTION. THE UNIVERSITY OF NORTH  
CAROLINA AT CHAPEL HILL
- 1208696 BROADCAST PROGRAM RECORDING APPARATUS USING  
ELECTRONIC PROGRAM GUIDE. Sky CP Limited
- 1210068 USE OF SIMPLE AMINO ACIDS TO FORM POROUS PARTICLES.  
Civitas Therapeutics Inc.
- 1210105 HIGH DENSITY LIPOPROTEIN AGAINST ORGAN DYSFUNCTION  
FOLLOWING HAEMORRHAGIC SHOCK. CSL Behring AG
- 1210118 COMPOSITION COMPRISING A TRAMADOL MATERIAL AND AN  
ANTICONVULSANT DRUG. Ortho-McNeil Pharmaceutical, Inc.
- 1210123 SINGLE-STRANDED OLIGODEOXYNUCLEOTIDE MUTATIONAL  
VECTORS. Cibus Europe B.V.
- 1210425 BAFF RECEPTOR (BCMA), AN IMMUNOREGULATORY AGENT.  
Apotech R&D S.A.; Biogen MA Inc.
- 1210428 PD-1, A RECEPTOR FOR B7-4, AND USES THEREFOR. Dana-Farber  
Cancer Institute, Inc.; Genetics Institute, LLC
- 1210459 Sample collecting device and method. Genetic Solutions Pty Ltd
- 1212005 DENTAL FLOSS DISPENSER. GILLETTE CANADA COMPANY
- 1212045 A VACCINE COMPOSITION AND METHOD OF USING THE SAME.  
Abic Biological Laboratories Ltd.
- 1212061 INJECTABLE BUPRENORPHINE MICROPARTICLE  
COMPOSITIONS AND THEIR USE IN REDUCING CONSUMPTION  
OF HEROIN AND ALCOHOL. Brookwood Pharmaceuticals, Inc.
- 1212069 IMPROVED TOPICAL COMPOSITIONS CONTAINING  
EXTRACELLULAR PRODUCTS OF PROBIOTIC BACTERIA AND  
USES THEREOF. Ganeden Biotech, Inc.
- 1212084 METHOD OF SEPARATING ROTAVIRUS VARIANTS AND LIVE  
ATTENUATED ROTAVIRUS VACCINE. GlaxoSmithKline Biologicals  
s.a.
- 1212116 EXPANDABLE MICRO-CATHETER. Boston Scientific Limited
- 1212167 METHOD FOR REPLACING A TURBINE VANE AIRFOIL.  
CHROMALLOY GAS TURBINE CORPORATION
- 1212422 HUMAN CTLA-4 ANTIBODIES AND THEIR USES. E. R. Squibb &  
Sons, L.L.C.
- 1212745 CONTROL OF DEPTH MOVEMENT FOR VISUAL DISPLAY WITH  
LAYERED SCREENS. Pure Depth Limited
-

- 1212890 COLLECTING CHARGING DATA IN A TELECOMMUNICATIONS SYSTEM. Telefonaktiebolaget LM Ericsson (publ)
- 1213296 GLUCOPYRANOSYLOXYPYRAZOLE DERIVATIVES, MEDICINAL COMPOSITIONS CONTAINING THE SAME AND INTERMEDIATES IN THE PRODUCTION THEREOF. Kissei Pharmaceutical Co., Ltd.
- 1214026 DEVICE OF VERTEBRAL DISC AUGMENTATION. Intrinsic Therapeutics, Inc.
- 1214052 VETERINARY FORMULATION FOR ADMINISTRATION OF A WATER-INSOLUBLE DRUG TO A TARGET ANIMAL THROUGH A WATER DISTRIBUTION SYSTEM. Elanco Animal Health Ireland Limited
- 1214056 TOPICAL SUSPENSION FORMULATIONS CONTAINING CIPROFLOXACIN AND DEXAMETHASONE. Novartis AG
- 1214187 MOLDS FOR USE IN CONTACT LENS PRODUCTION. Johnson & Johnson Vision Care, Inc.
- 1214815 DUAL MODE SUBSCRIBER UNIT FOR SHORT RANGE, HIGH RATE AND LONG RANGE, LOWER RATE DATA COMMUNICATIONS. IPR Licensing, Inc.
- 1216074 APPARATUS FOR ELECTRICAL STIMULATION OF THE LYMPHATIC SYSTEM. Physiomed Elektromedizin AG
- 1216256 MACROLIDE ANTIBIOTICS AND TREATMENT OF PASTEURELLOSIS. ZAIDAN HOJIN BISEIBUTSU KAGAKU KENKYU KAI
- 1216260 METHOD OF INCREASING RETENTION AND DRAINAGE IN PAPERMAKING USING HIGH MOLECULAR WEIGHT WATER-SOLUBLE ANIONIC OR NONIONIC DISPERSION POLYMERS. NALCO CHEMICAL COMPANY
- 1218415 WATER SOLUBLE ANIONIC OR NONIONIC DISPERSION POLYMER. NALCO CHEMICAL COMPANY
- 1218448 METHOD OF PRODUCING MELT-PROCESSABLE COMPOSITIONS, COMPOSITIONS AND ARTICLES. Lucite International UK Limited
- 1219632 STEROIDS, THEIR PREPARATION, PHARMACEUTICAL COMPOSITIONS THEREOF AND USES OF THE COMPOUNDS. Shanghai Zhongxi Pharmaceutical Co. Ltd.; Xianju Pharmaceutical Co., Ltd; Siniwest Holdings, Inc.
-

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|         |                                                                                                                                                                                         |
|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1220794 | A LEAK PROOF, RESEALABLE CONTAINER AND CAP ASSEMBLY. CSP Technologies, Inc.                                                                                                             |
| 1221887 | ADJUSTABLE ELEVATING TOILET SEAT. Miller, Stuart Earl Crispin                                                                                                                           |
| 1222448 | SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR DETECTING EMOTION IN VOICE SIGNALS BY UTILIZING STATISTICS FOR VOICE SIGNAL PARAMETERS. Accenture Global Services Limited                |
| 1223918 | PHARMACEUTICAL COMPOSITIONS COMPRISING A HMG COA REDUCTASE INHIBITOR. AstraZeneca AB                                                                                                    |
| 1225874 | ANTIVIRAL SOLID DISPERSIONS. Janssen Pharmaceutica NV                                                                                                                                   |
| 1225881 | THE USE OF DAPOXETINE, A RAPID-ONSET SELECTIVE SEROTONIN REUPTAKE INHIBITOR, FOR TREATING SEXUAL DYSFUNCTION. Allergan Sales, LLC                                                       |
| 1226233 | MULTIPOTENT ADULT STEM CELLS AND METHODS FOR ISOLATION. ABT Holding Company                                                                                                             |
| 1228020 | BEARING HAVING A SURFACE FORMED BY CONVERTING A METAL CARBIDE TO CARBON ON THE SURFACE OF THE METAL CARBIDE BY ETCHING IN HALOGENS. THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS |
| 1236369 | METHOD AND APPARATUS USING A MULTI-CARRIER FORWARD LINK IN A WIRELESS COMMUNICATION SYSTEM. QUALCOMM INCORPORATED                                                                       |
| 1242785 | OPTICAL METHOD FOR THE CHARACTERIZATION OF INTEGRATED CIRCUITS. BROWN UNIVERSITY RESEARCH FOUNDATION                                                                                    |
| 1246920 | PREVENTION OF AFFECTIONS ASSOCIATED WITH PORCINE CIRCOVIRUS-2. MERIAL; UNIVERSITY OF SASKATCHEWAN; The Queen's University of Belfast                                                    |
| 1298984 | AUTOMATIC HORSE TRAINING SYSTEM. Kurt, Mehmet                                                                                                                                           |
| 1306440 | METHOD OF IMPROVING GENE TRANSFER EFFICIENCY INTO PLANT CELLS. Japan Tobacco Inc.                                                                                                       |
| 1312235 | COMMUNICATION SYSTEM AND METHOD PROVIDING A MODE SELECTION PROCEDURE. Nokia Solutions and Networks Oy                                                                                   |
| 1323447 | Retracting needle syringe. Becton, Dickinson and Company                                                                                                                                |
| 1455183 | METHOD AND APPARATUS FOR REDUCING PEAK BROADENING ASSOCIATED WITH THE ESTABLISHMENT OF AN ELECTRIC FIELD. Life Technologies Corporation                                                 |

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|         |                                                                                                                                                                                                                |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1650306 | Means and methods for modifying gene expression using<br>unpolyadenylated RNA. Commonwealth Scientific and Industrial<br>Research Organisation                                                                 |
| 1736115 | Percutaneous Filter System. Boston Scientific Limited                                                                                                                                                          |
| 1806143 | Baff receptor (BCMA), an immunoregulatory agent. Biogen MA Inc.;<br>Topotarget Switzerland SA                                                                                                                  |
| 1811303 | Compounds for treating irritable bowel syndrome. Cedars-Sinai Medical<br>Center                                                                                                                                |
| 1816759 | Method and apparatus for beamforming in a wireless communication<br>system. Qualcomm, Incorporated                                                                                                             |
| 1916258 | Enhancement of expression of a single-stranded, heterologous nucleotide<br>sequence from recombinant viral vectors by designing the sequence such<br>that it forms intrastrand base pairs. Genzyme Corporation |
| 1953970 | Dual mode subscriber unit for short range, high rate and long range, lower<br>rate data communications. IPR Licensing Inc.                                                                                     |
| 2256498 | Methods of diagnosing or treating irritable bowel syndrome and other<br>disorders. Cedars-Sinai Medical Center                                                                                                 |
| 2259498 | Dual mode subscriber unit for short range, high rate and long range, lower<br>rate data communications. IPR Licensing, Inc.                                                                                    |
| 2266627 | Single-stranded oligodeoxynucleotide mutational vectors. Cibus Europe<br>B.V.                                                                                                                                  |
| 2267010 | Activatable recombinant neurotoxins. Allergan, Inc.                                                                                                                                                            |
| 2324856 | Single-stranded oligodeoxynucleotide mutational vectors. Cibus Europe<br>B.V.                                                                                                                                  |
| 2910185 | Method for assessing tissue perfusion. Novadaq Technologies ULC                                                                                                                                                |
| 3203653 | METHOD AND APPARATUS FOR BEAMFORMING IN A<br>WIRELESS COMMUNICATION SYSTEM. QUALCOMM Incorporated                                                                                                              |

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## **Proceedings under Section 37 of the Patents Act, 1992**

Restoration Order dated 26<sup>th</sup> August 2020, was made restoring the Patent mentioned below

|                |                                                                  |
|----------------|------------------------------------------------------------------|
| <b>2735011</b> | Arizona Public Service Company                                   |
|                | “METHOD AND SYSTEM FOR ESTIMATING TRANSFORMER<br>REMAINING LIFE” |

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## Request for Grant of Supplementary Protection Certificate

The name and address of the requestor follow the number allocated to the request. The date in brackets following the name and address is the date of receipt of the request. The Patent number is that under which the product in respect of which a certificate is sought is, allegedly, protected. Market Authorisation references in respect of the product concerned are also shown.

**2020040**      HELSINN HEALTHCARE SA, Via Pian Scairolo 9, 6912 Lugano-Pazzallo, Switzerland  
(03 September 2020)  
Patent No: 2785706; SUBSTITUTED 4-PHENYL-PYRIDINES FOR THE TREATMENT OF NK-1 RECEPTOR RELATED DISEASES.  
Product: Fosnetupitant or a pharmaceutically acceptable salt thereof  
Market Authorisation: Ireland C(2020)1804 under EU/1/15/1001, 18/03/2020  
European Union C(2020)1804 under EU/1/15/1001, 18/03/2020

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## Supplementary Protection Certificates Granted

The name and address of the grantee follows the number allocated to the application for grant of a certificate; this number applies also to the granted certificate. The date in brackets following the name and address is the date of grant of the certificate. The number of the basic Patent and the title of the invention are followed by the name of the product for which the certificate is granted. Market authorisation references in respect of the product concerned are also shown, followed by the date of expiry of the certificate.

**2019021**      MERCK CANADA INC., 16711 Trans-Canada Highway, Kirkland, QC H9H 3L1, Canada  
(08/09/2020)  
Patent No: 2924034; PHARMACEUTICAL COMPOSITION COMPRISING A NON-NUCLEOSIDE REVERSE TRANSCRIPTASE INHIBITOR  
Product: Doravirine or a pharmaceutically acceptable salt thereof in combination with lamivudine and tenofovir disoproxil fumarate  
Market Authorisation: Ireland EU/1/18/1333/001 & EU/1/18/1333/002, 22/11/2018  
Certificate Expires on: 25/11/2033

**2019026**      Kyowa Kirin Co., Ltd., 1-9-2, Otemachi, Chiyoda-ku, Tokyo, Japan  
(08/09/2020)  
Patent No: 1449850; HUMAN CDR-GRAFTED ANTIBODIES AND ANTIBODY FRAGMENTS THEREOF  
Product: mogamulizumab in all forms protected by the basic patent  
Market Authorisation: Ireland EU/1/18/1335, 22/11/2018  
Certificate Expires on: 29/08/2027

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## **Supplementary Protection Certificates Withdrawn**

The name and address of the requestor follow the number allocated to the request. The date in brackets following the name and address is the date of receipt of the request. The Patent number is that under which the product in respect of which a certificate is sought is, allegedly, protected. Market Authorisation references in respect of the product concerned are also shown.

**2018037** FERRING BV, Polaris Avenue 144, 2132 JX Hoofddorp, The Netherlands

(26/09/2018)

Patent No: 2667851; TESTOSTERONE FORMULATIONS

Product: Testosterone

Market Authorisation: Ireland PA1009/028/001, 13/04/2018

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## **Errata**

### **Patents Lapsed through Non-Payment of Renewal Fees**

**3246720**

In Journal Number 2418 of 19<sup>th</sup> August 2020 in the list of Patents Lapsed through Non-Payment of Renewal Fees, patent numbers 3246720 was listed in error. This Patent is still in force.

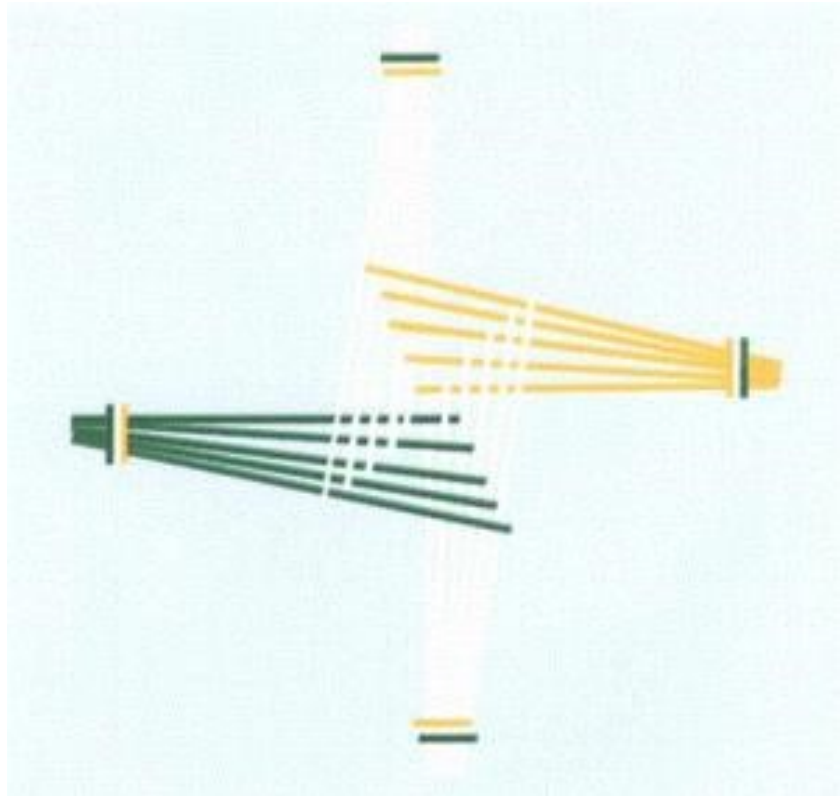
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## **Designs Registered Under The Industrial Designs Act, 2001**

**23092**      11.02      Gabriel Gillespie, Clonmore, Edenderry, Co.Offaly R45EY77, Ireland  
Address for service is c/o Gabriel Gillespie  
Clonmore, Edenderry, Co.Offaly R45EY77, Ireland

Date of Registration: 24 July 2020.

St. Brigid's cross in the colours green, white and orange.



**23093**

11.02

Gabriel Gillespie, Clonmore, Edenderry, Co.Offaly R45EY77, Ireland  
Address for service is c/o Gabriel Gillespie  
Clonmore, Edenderry, Co.Offaly R45EY77, Ireland

Date of Registration: 24 July 2020.

St. Brigid's cross in the colours maroon and white.



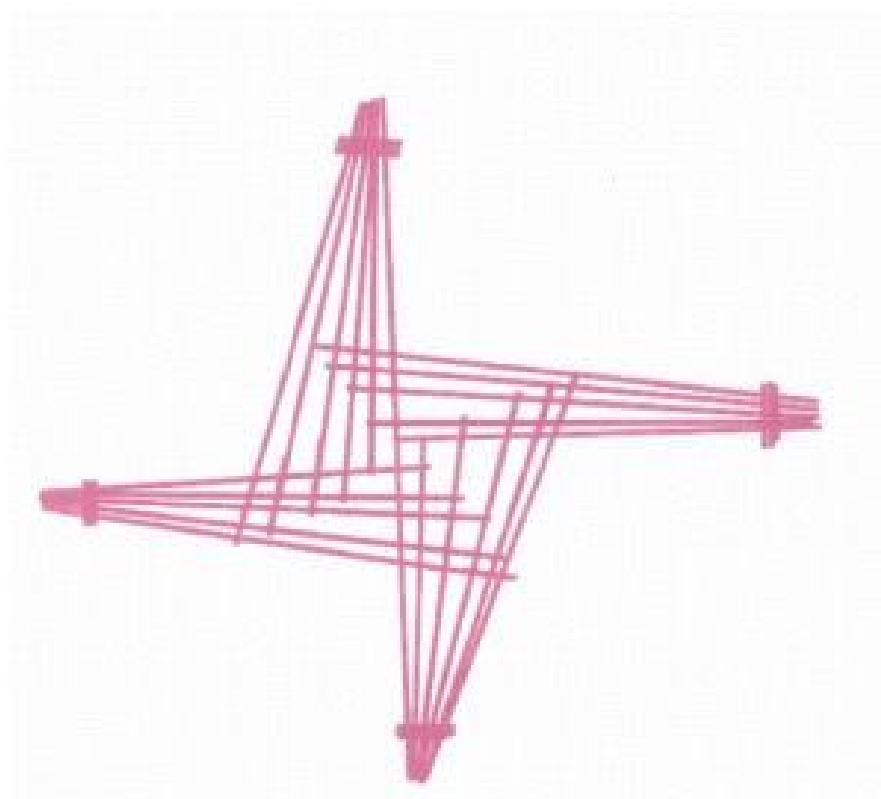
**23094**

11.02

Gabriel Gillespie, Clonmore, Edenderry, Co.Offaly R45EY77, Ireland  
Address for service is c/o Gabriel Gillespie  
Clonmore, Edenderry, Co.Offaly R45EY77, Ireland

Date of Registration: 24 July 2020.

St. Brigid's cross in the colour pink.



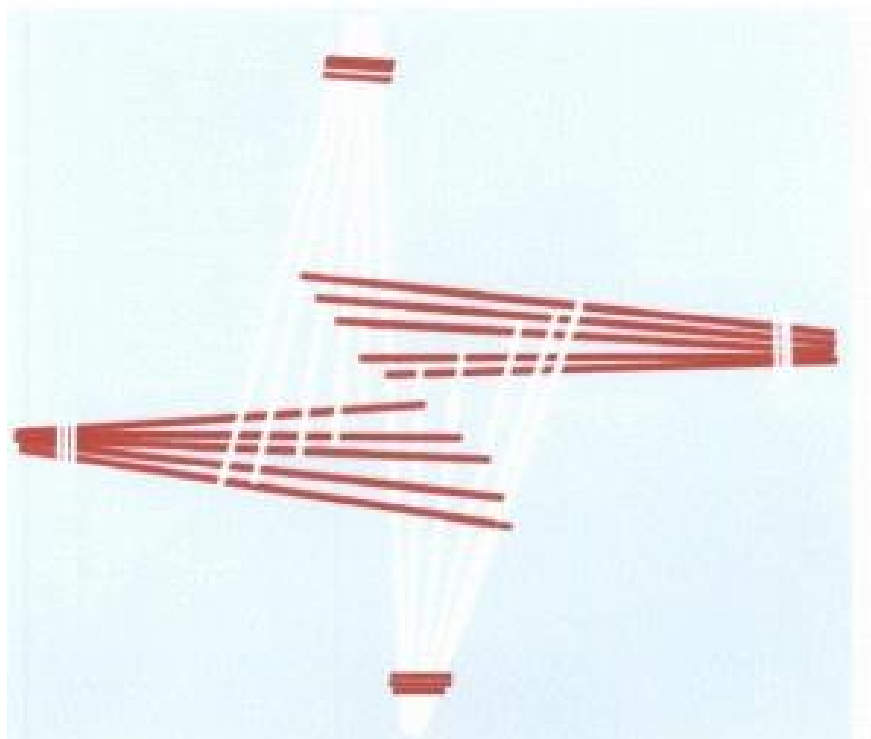
**23095**

11.02

Gabriel Gillespie, Clonmore, Edenderry, Co.Offaly R45EY77, Ireland  
Address for service is c/o Gabriel Gillespie  
Clonmore, Edenderry, Co.Offaly R45EY77, Ireland

Date of Registration: 24 July 2020.

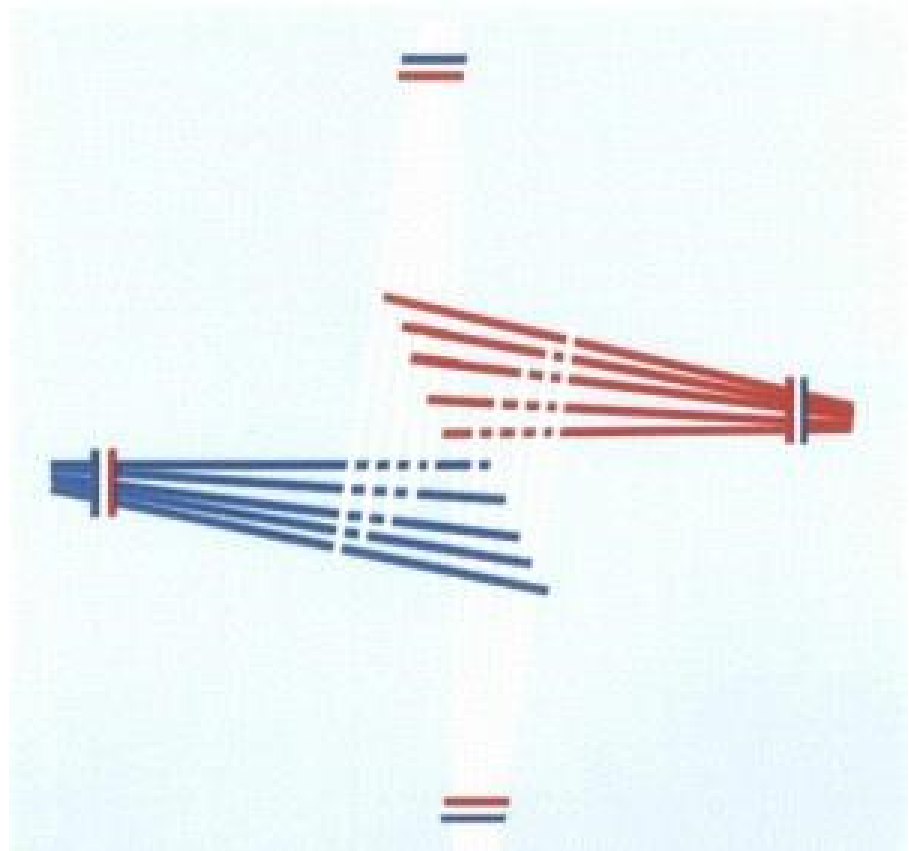
St. Brigid's cross in the colours red and white.



**23096**      11.02      Gabriel Gillespie, Clonmore, Edenderry, Co.Offaly R45EY77, Ireland  
Address for service is c/o Gabriel Gillespie  
Clonmore, Edenderry, Co.Offaly R45EY77, Ireland

Date of Registration: 24 July 2020.

St. Brigid's cross in the colours red, white and blue.



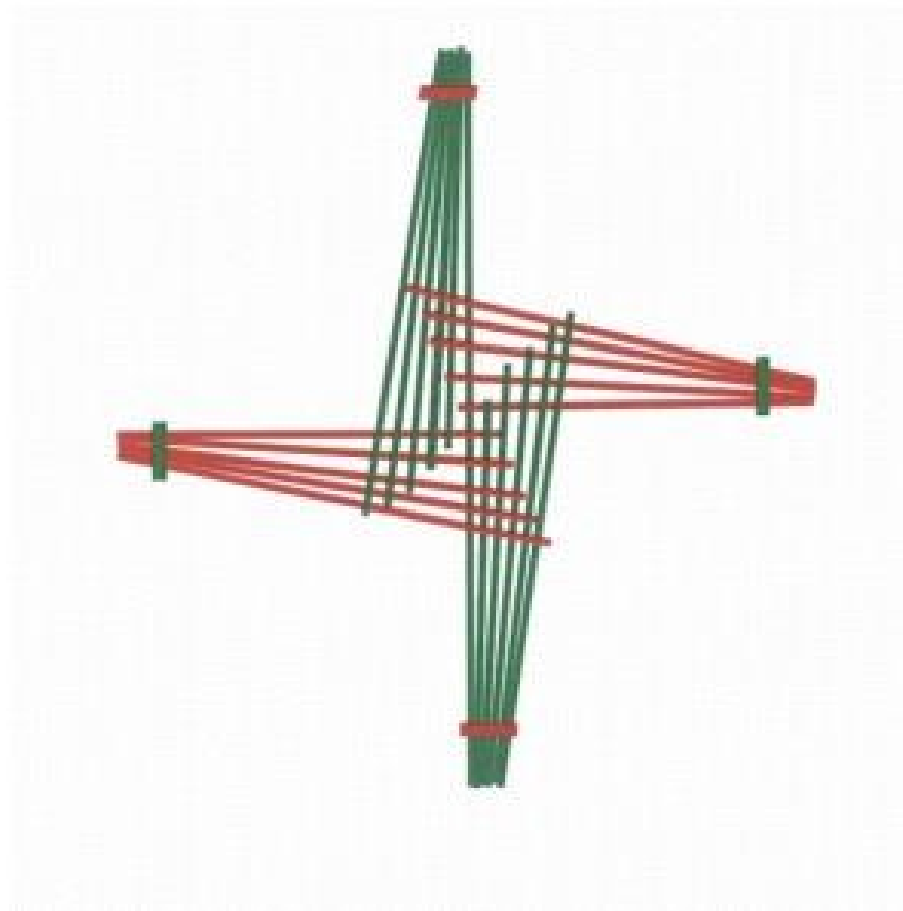
**23097**

11.02

Gabriel Gillespie, Clonmore, Edenderry, Co.Offaly R45EY77, Ireland  
Address for service is c/o Gabriel Gillespie  
Clonmore, Edenderry, Co.Offaly R45EY77, Ireland

Date of Registration: 24 July 2020.

St. Brigid's cross in the colours red and green.



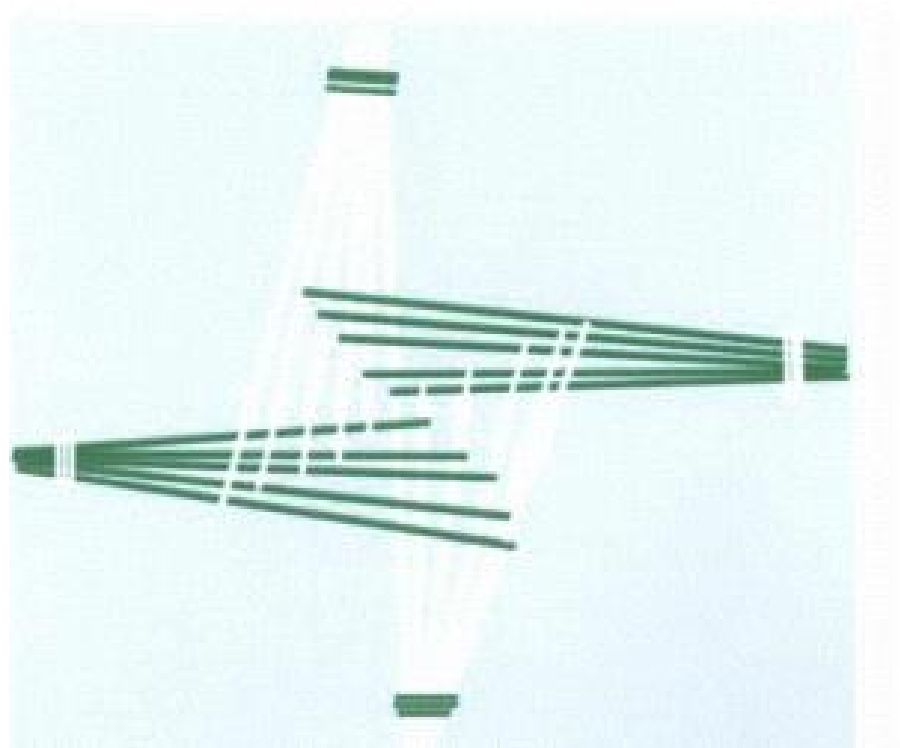
**23098**

11.02

Gabriel Gillespie, Clonmore, Edenderry, Co.Offaly R45EY77, Ireland  
Address for service is c/o Gabriel Gillespie  
Clonmore, Edenderry, Co.Offaly R45EY77, Ireland

Date of Registration: 24 July 2020.

St. Brigid's cross in the colours green and white.



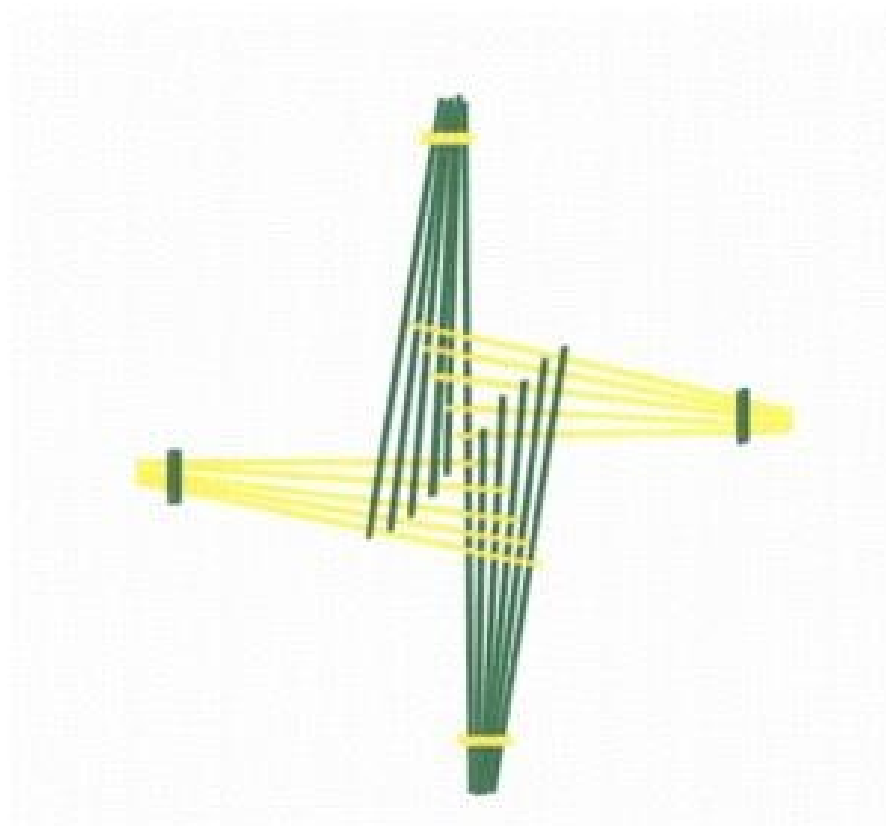
**23099**

11.02

Gabriel Gillespie, Clonmore, Edenderry, Co.Offaly R45EY77, Ireland  
Address for service is c/o Gabriel Gillespie  
Clonmore, Edenderry, Co.Offaly R45EY77, Ireland

Date of Registration: 24 July 2020.

St. Brigid's cross in the colours green and gold.



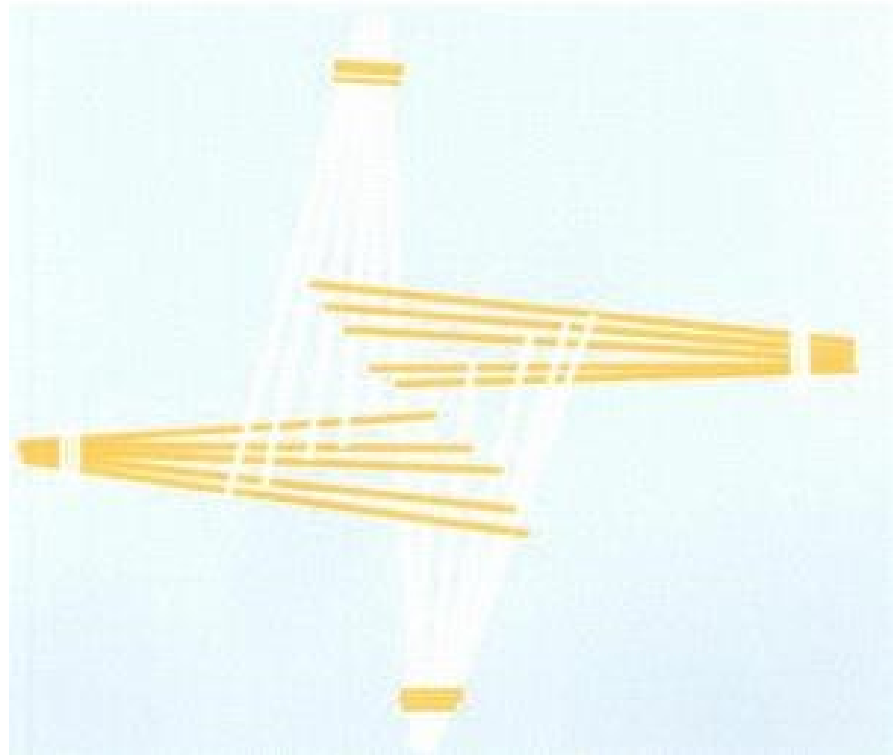
**23100**

11.02

Gabriel Gillespie, Clonmore, Edenderry, Co.Offaly R45EY77, Ireland  
Address for service is c/o Gabriel Gillespie  
Clonmore, Edenderry, Co.Offaly R45EY77, Ireland

Date of Registration: 24 July 2020.

St. Brigid's cross in the colours saffron and white.



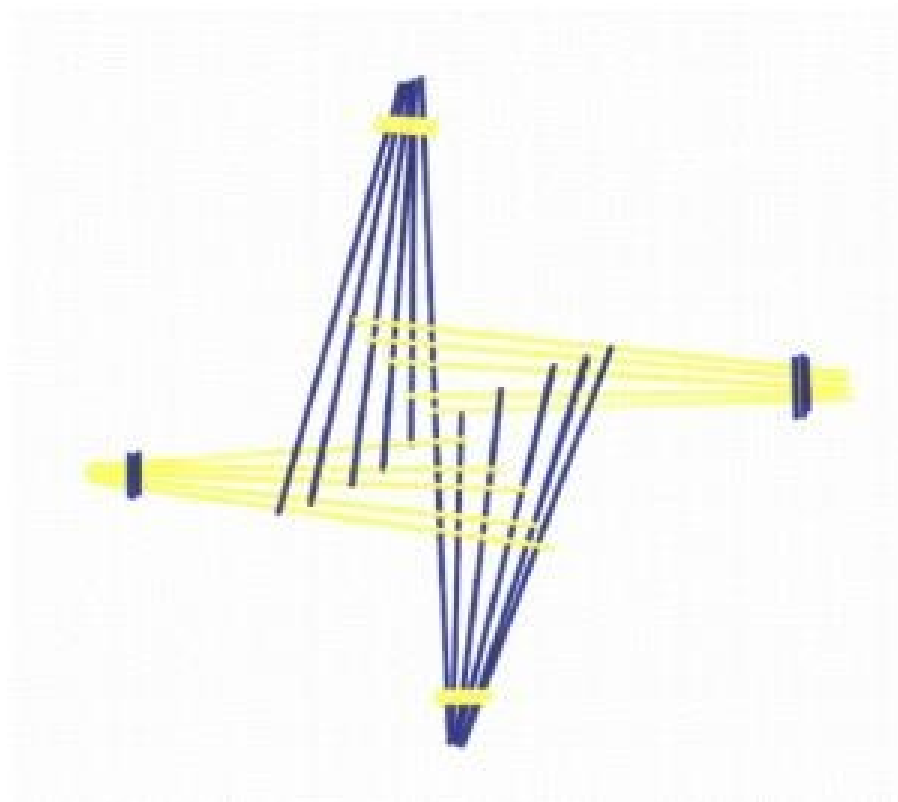
**23101**

11.02

Gabriel Gillespie, Clonmore, Edenderry, Co.Offaly R45EY77, Ireland  
Address for service is c/o Gabriel Gillespie  
Clonmore, Edenderry, Co.Offaly R45EY77, Ireland

Date of Registration: 24 July 2020.

St. Brigid's cross in the colours purple and gold.



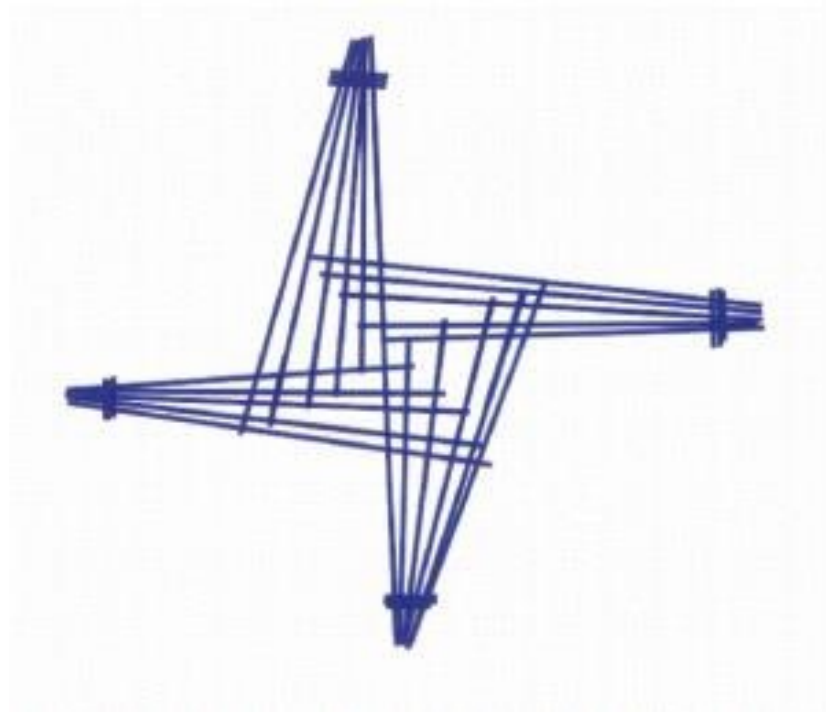
**23102**

11.02

Gabriel Gillespie, Clonmore, Edenderry, Co.Offaly R45EY77, Ireland  
Address for service is c/o Gabriel Gillespie  
Clonmore, Edenderry, Co.Offaly R45EY77, Ireland

Date of Registration: 24 July 2020.

St. Brigid's cross in the colour purple.



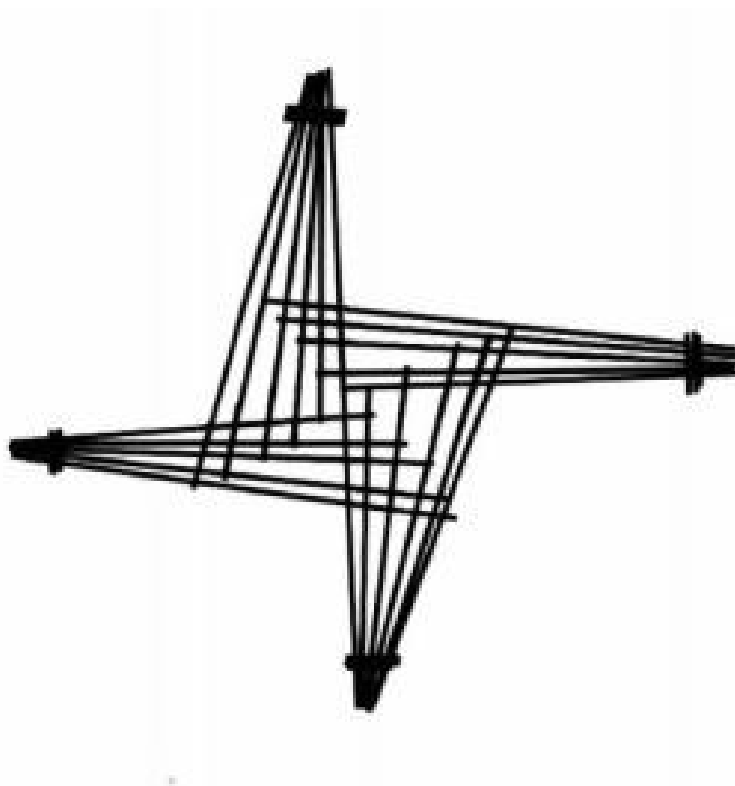
**23103**

11.02

Gabriel Gillespie, Clonmore, Edenderry, Co.Offaly R45EY77, Ireland  
Address for service is c/o Gabriel Gillespie  
Clonmore, Edenderry, Co.Offaly R45EY77, Ireland

Date of Registration: 24 July 2020.

St. Brigid's cross in the colour black.



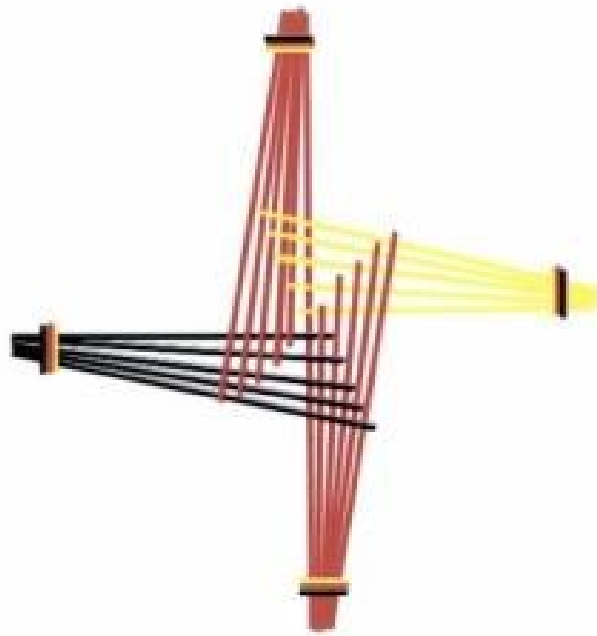
**23104**

11.02

Gabriel Gillespie, Clonmore, Edenderry, Co.Offaly R45EY77, Ireland  
Address for service is c/o Gabriel Gillespie  
Clonmore, Edenderry, Co.Offaly R45EY77, Ireland

Date of Registration: 24 July 2020.

St. Brigid's cross in the colours black, red and gold.



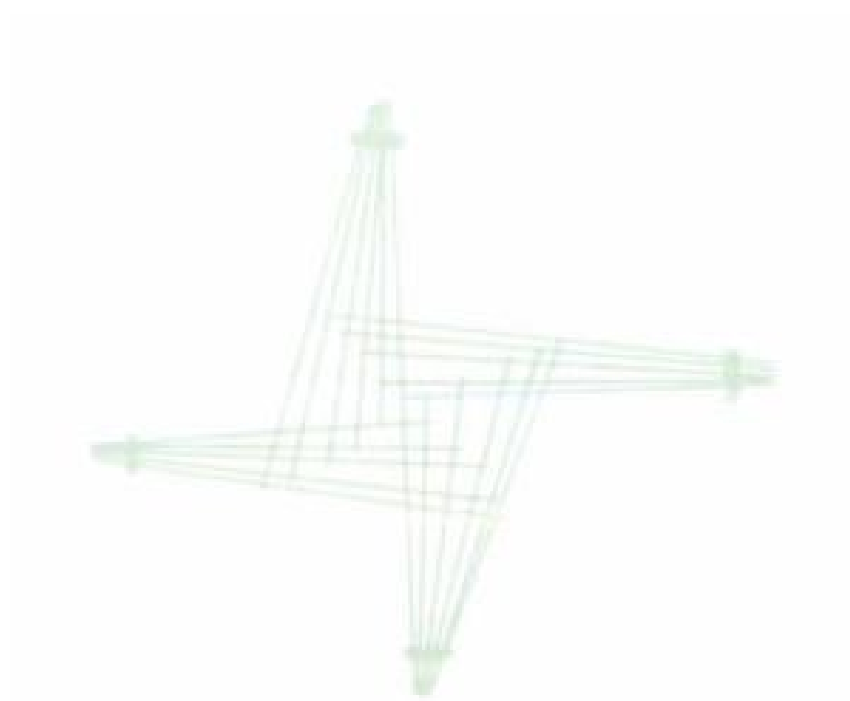
**23105**

11.02

Gabriel Gillespie, Clonmore, Edenderry, Co.Offaly R45EY77, Ireland  
Address for service is c/o Gabriel Gillespie  
Clonmore, Edenderry, Co.Offaly R45EY77, Ireland

Date of Registration: 24 July 2020.

St. Brigid's cross in the colour apple green.



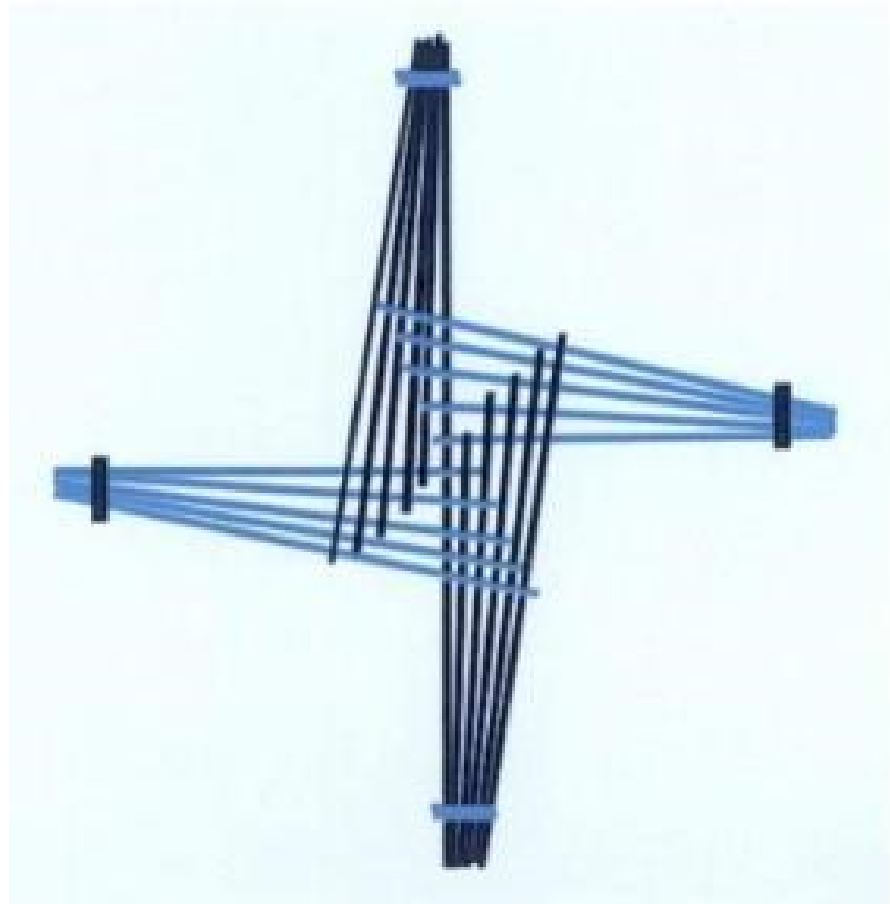
**23106**

11.02

Gabriel Gillespie, Clonmore, Edenderry, Co.Offaly R45EY77, Ireland  
Address for service is c/o Gabriel Gillespie  
Clonmore, Edenderry, Co.Offaly R45EY77, Ireland

Date of Registration: 24 July 2020.

St. Brigid's cross in the colours navy blue and sky blue.



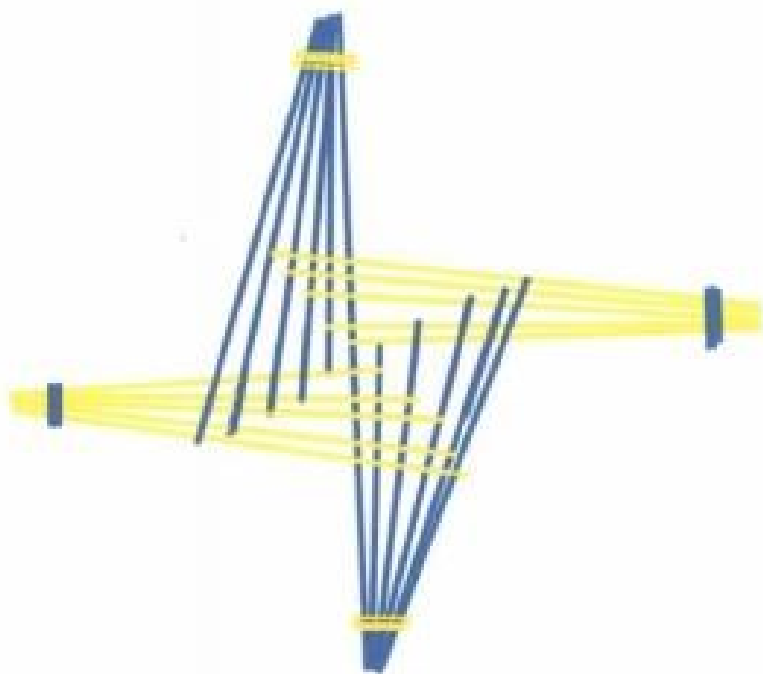
**23107**

11.02

Gabriel Gillespie, Clonmore, Edenderry, Co.Offaly R45EY77, Ireland  
Address for service is c/o Gabriel Gillespie  
Clonmore, Edenderry, Co.Offaly R45EY77, Ireland

Date of Registration: 24 July 2020.

St. Brigid's cross in the colours blue and gold.



**23108**

11.02

Gabriel Gillespie, Clonmore, Edenderry, Co.Offaly R45EY77, Ireland  
Address for service is c/o Gabriel Gillespie  
Clonmore, Edenderry, Co.Offaly R45EY77, Ireland

Date of Registration: 24 July 2020.

St. Brigid's cross in the colour white.



**23109**

11.02

Gabriel Gillespie, Clonmore, Edenderry, Co.Offaly R45EY77, Ireland  
Address for service is c/o Gabriel Gillespie  
Clonmore, Edenderry, Co.Offaly R45EY77, Ireland

Date of Registration: 24 July 2020.

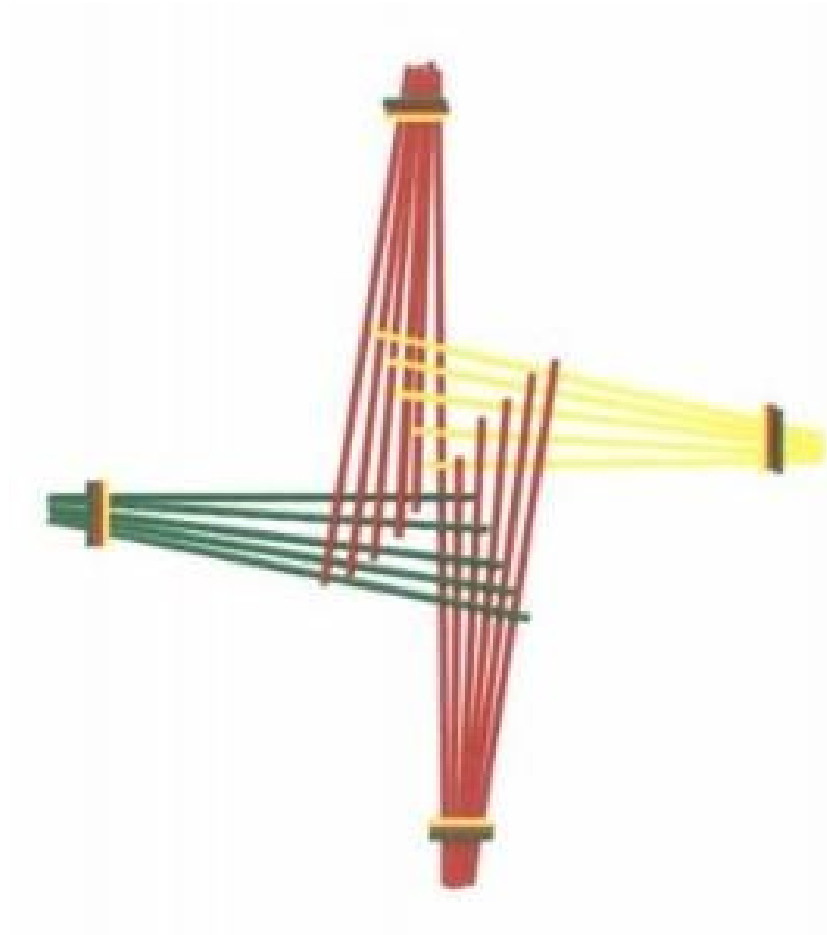
St. Brigid's cross in the colours black and amber.



**23110** 11.02 Gabriel Gillespie, Clonmore, Edenderry, Co.Offaly R45EY77, Ireland  
Address for service is c/o Gabriel Gillespie  
Clonmore, Edenderry, Co.Offaly R45EY77, Ireland

Date of Registration: 24 July 2020.

St. Brigid's cross in the colours green, red and yellow.



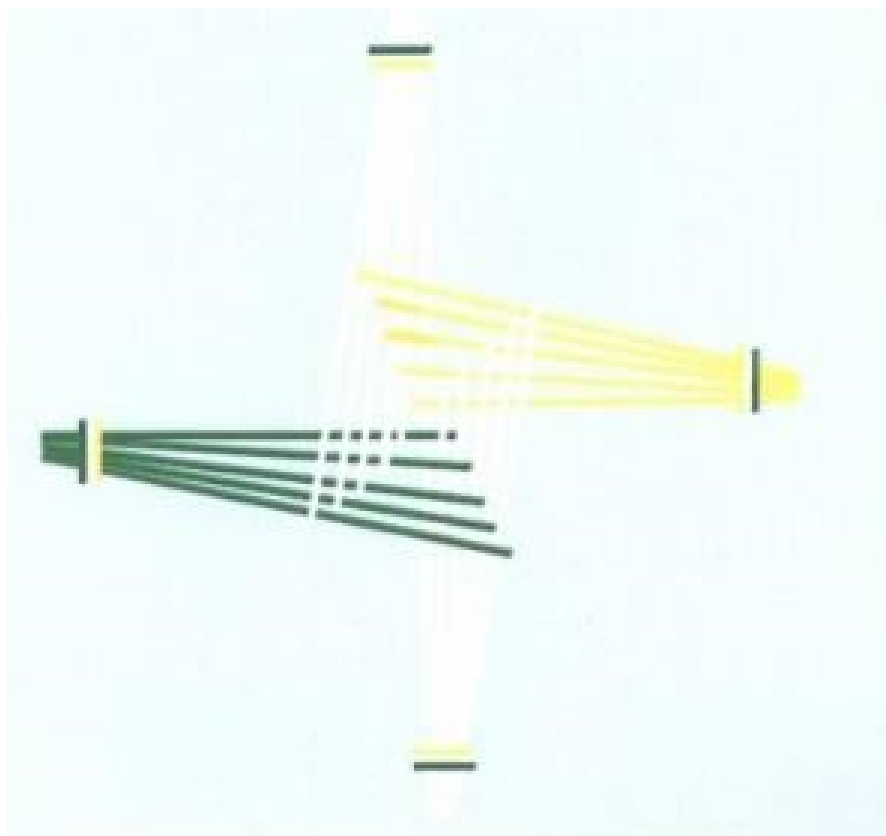
**23111**

11.02

Gabriel Gillespie, Clonmore, Edenderry, Co.Offaly R45EY77, Ireland  
Address for service is c/o Gabriel Gillespie  
Clonmore, Edenderry, Co.Offaly R45EY77, Ireland

Date of Registration: 24 July 2020.

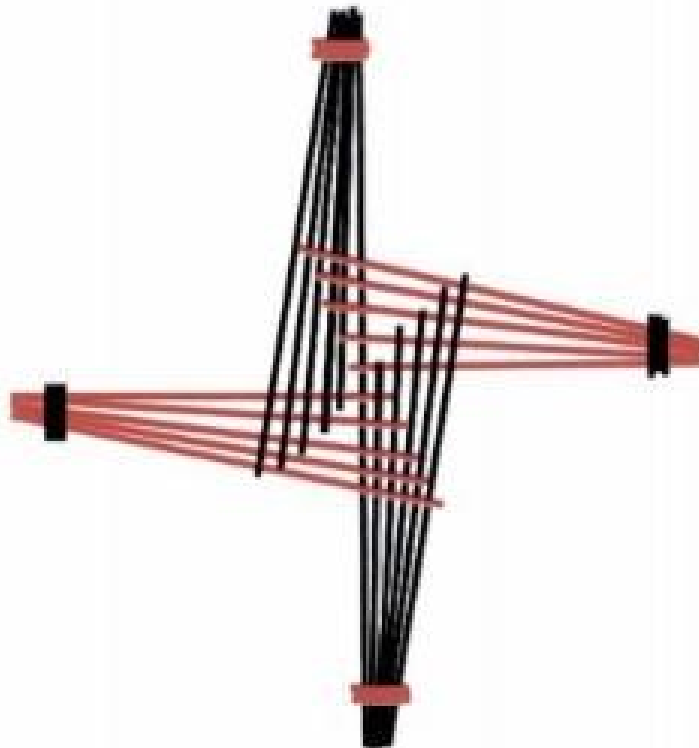
St. Brigid's cross in the colours green, white and gold.



**23112**      11.02      Gabriel Gillespie, Clonmore, Edenderry, Co.Offaly R45EY77, Ireland  
Address for service is c/o Gabriel Gillespie  
Clonmore, Edenderry, Co.Offaly R45EY77, Ireland

Date of Registration: 24 July 2020.

St. Brigid's cross in the colours black and red.



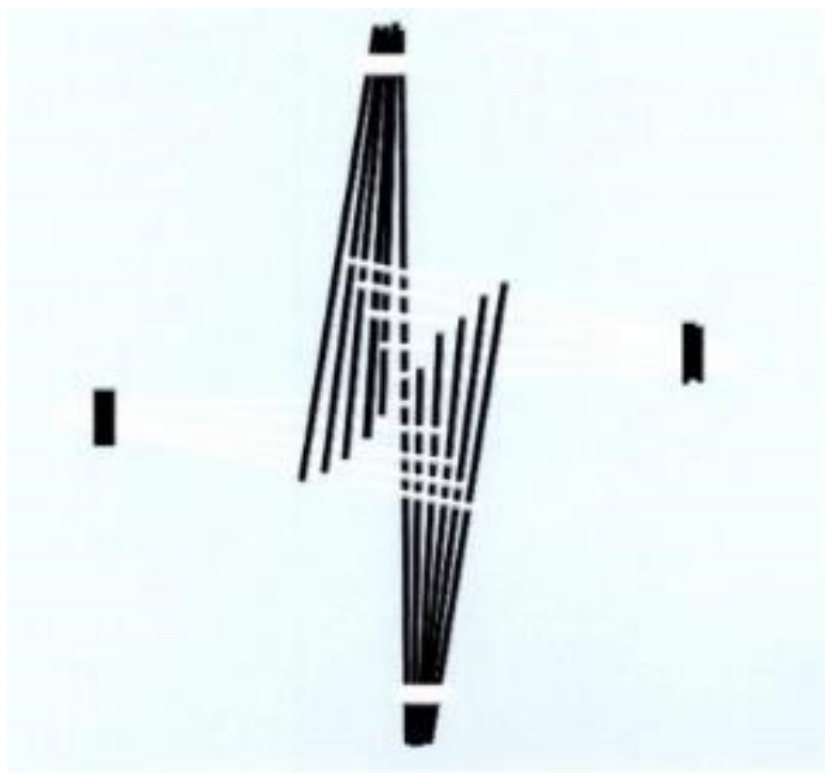
**23113**

11.02

Gabriel Gillespie, Clonmore, Edenderry, Co.Offaly R45EY77, Ireland  
Address for service is c/o Gabriel Gillespie  
Clonmore, Edenderry, Co.Offaly R45EY77, Ireland

Date of Registration: 24 July 2020.

St. Brigid's cross in the colours black and white.



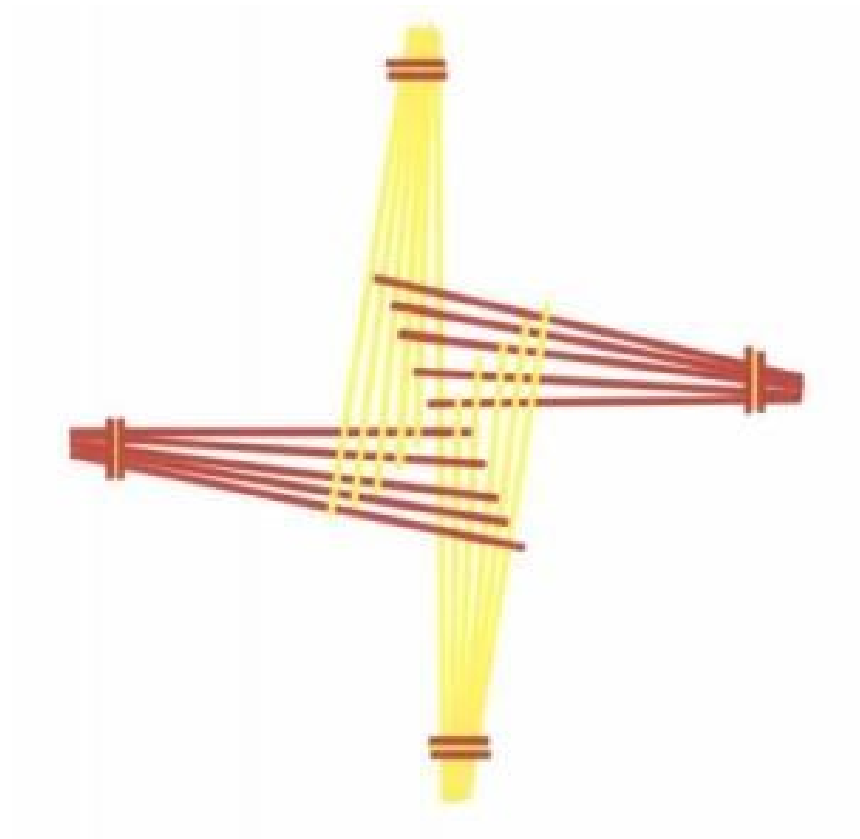
**23114**

11.02

Gabriel Gillespie, Clonmore, Edenderry, Co.Offaly R45EY77, Ireland  
Address for service is c/o Gabriel Gillespie  
Clonmore, Edenderry, Co.Offaly R45EY77, Ireland

Date of Registration: 24 July 2020.

St. Brigid's cross in the colours red and yellow.



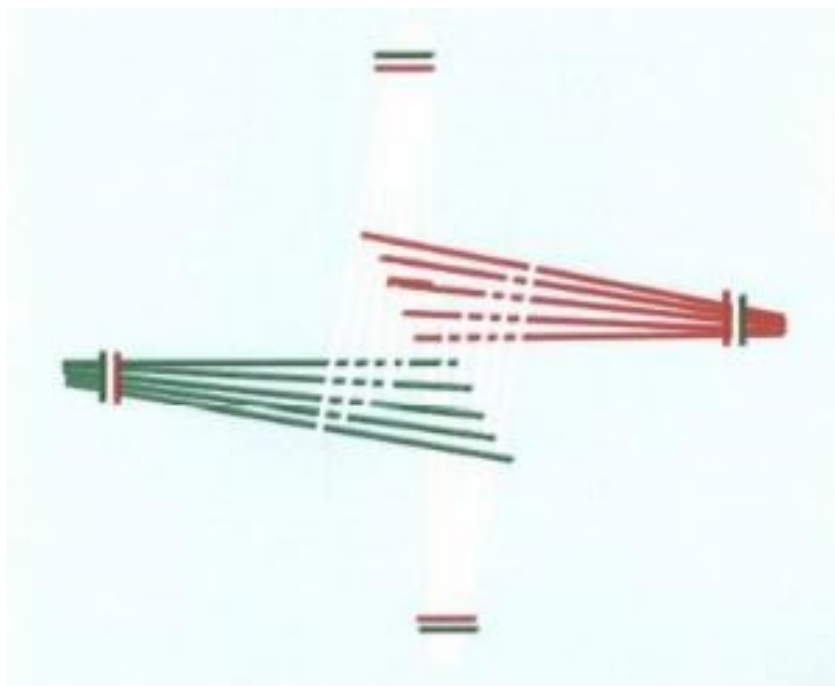
**23115**

11.02

Gabriel Gillespie, Clonmore, Edenderry, Co.Offaly R45EY77, Ireland  
Address for service is c/o Gabriel Gillespie  
Clonmore, Edenderry, Co.Offaly R45EY77, Ireland

Date of Registration: 24 July 2020.

St. Brigid's cross in the colours green, white and red.



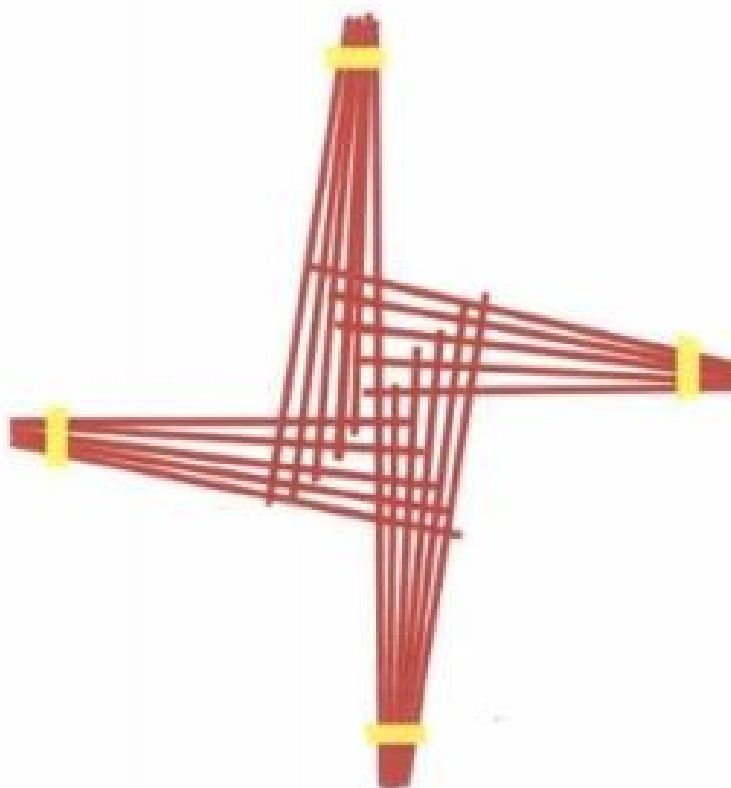
**23116**

11.02

Gabriel Gillespie, Clonmore, Edenderry, Co.Offaly R45EY77, Ireland  
Address for service is c/o Gabriel Gillespie  
Clonmore, Edenderry, Co.Offaly R45EY77, Ireland

Date of Registration: 24 July 2020.

St. Brigid's cross in the colours red and yellow.



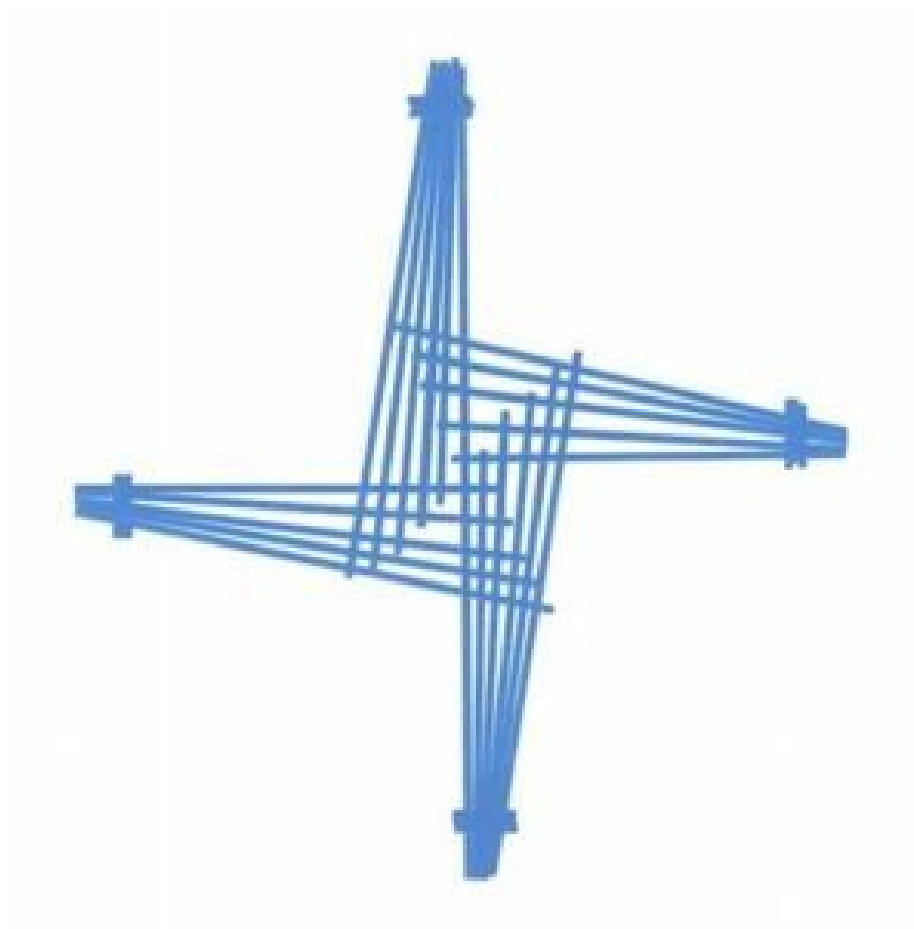
**23117**

11.02

Gabriel Gillespie, Clonmore, Edenderry, Co.Offaly R45EY77, Ireland  
Address for service is c/o Gabriel Gillespie  
Clonmore, Edenderry, Co.Offaly R45EY77, Ireland

Date of Registration: 24 July 2020.

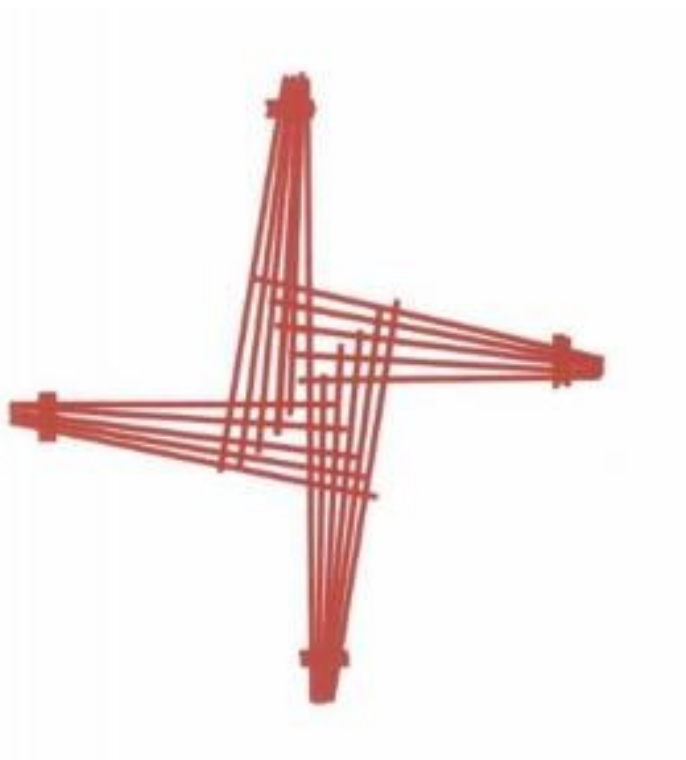
St. Brigid's cross in the colour sky blue.



**23118**      11.02      Gabriel Gillespie, Clonmore, Edenderry, Co.Offaly R45EY77, Ireland  
Address for service is c/o Gabriel Gillespie  
Clonmore, Edenderry, Co.Offaly R45EY77, Ireland

Date of Registration: 24 July 2020.

St. Brigid's cross in the colour red.



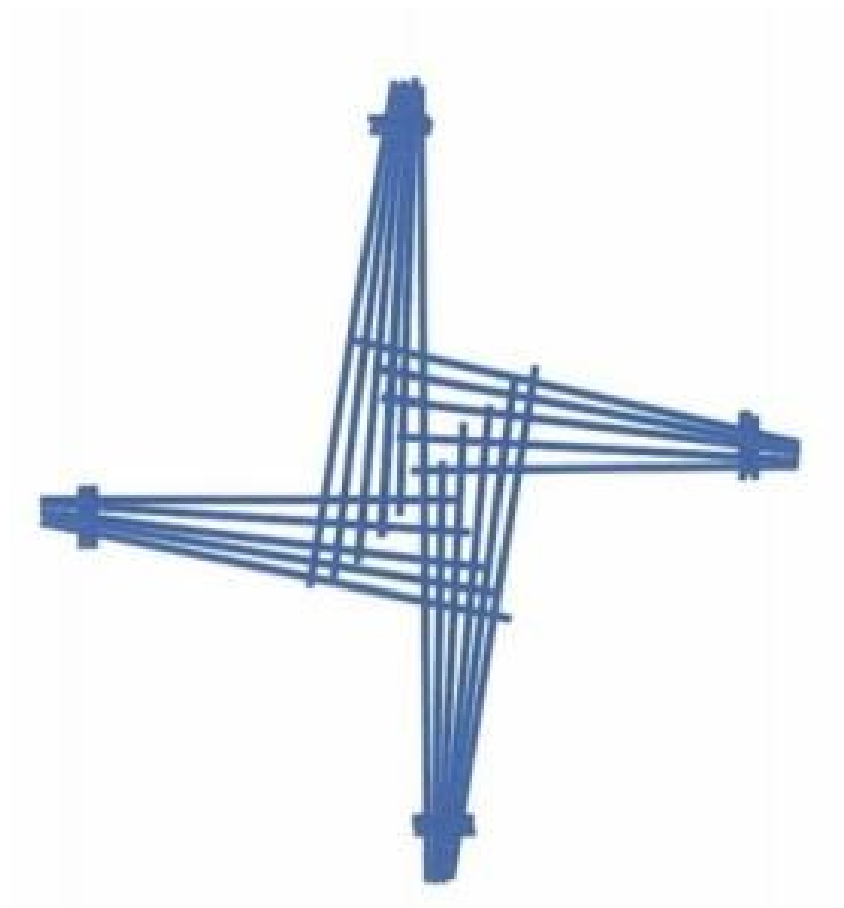
**23119**

11.02

Gabriel Gillespie, Clonmore, Edenderry, Co.Offaly R45EY77, Ireland  
Address for service is c/o Gabriel Gillespie  
Clonmore, Edenderry, Co.Offaly R45EY77, Ireland

Date of Registration: 24 July 2020.

St. Brigid's cross in the colour blue.



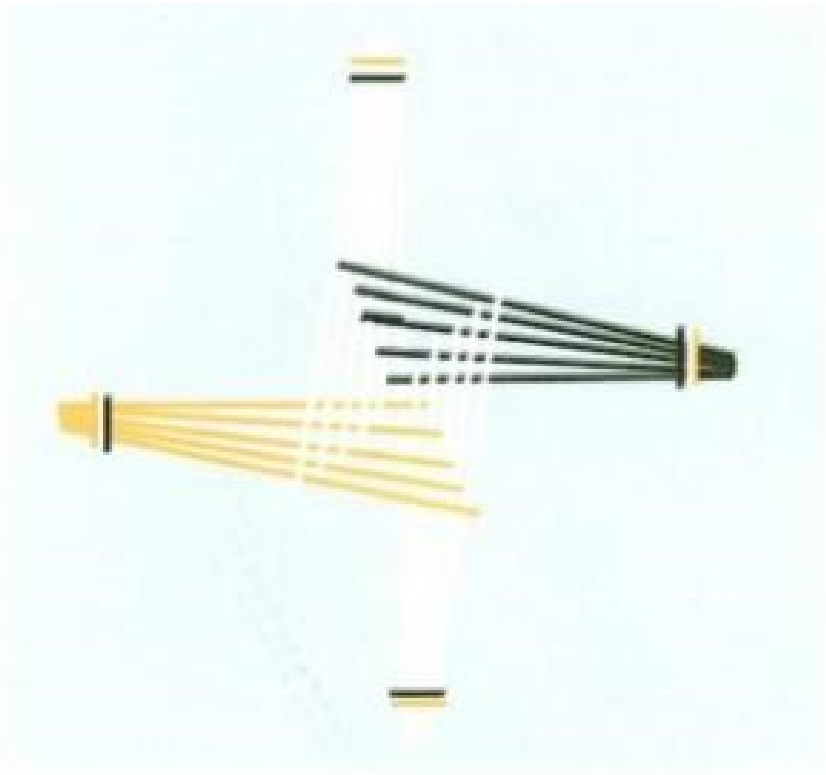
**23120**

11.02

Gabriel Gillespie, Clonmore, Edenderry, Co.Offaly R45EY77, Ireland  
Address for service is c/o Gabriel Gillespie  
Clonmore, Edenderry, Co.Offaly R45EY77, Ireland

Date of Registration: 24 July 2020.

St. Brigid's cross in the colours saffron, white and dark green.



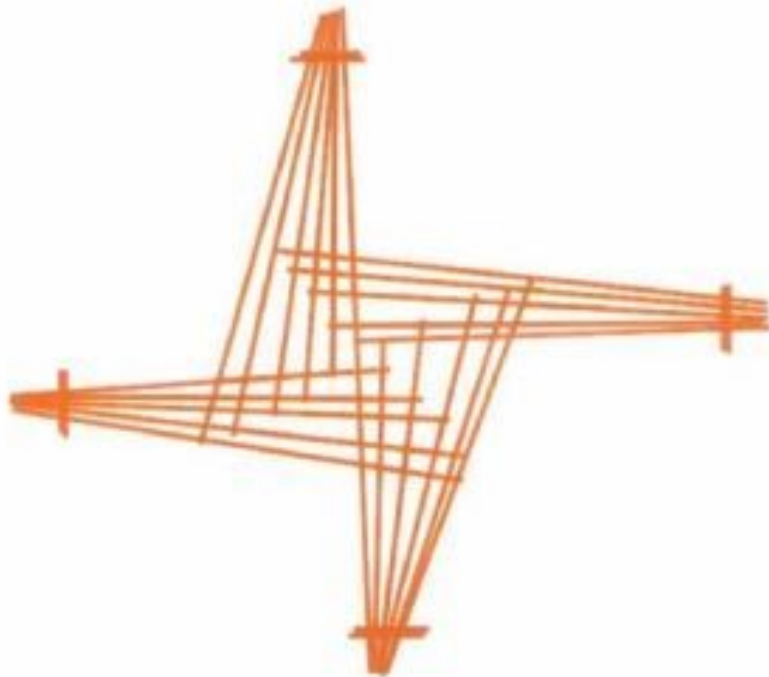
**23121**

11.02

Gabriel Gillespie, Clonmore, Edenderry, Co.Offaly R45EY77, Ireland  
Address for service is c/o Gabriel Gillespie  
Clonmore, Edenderry, Co.Offaly R45EY77, Ireland

Date of Registration: 24 July 2020.

St. Brigid's cross in the colour orange.



**Designs Registered Under The Industrial Designs Act 2001, which  
have expired due to non-renewal**

| Design number | Class |
|---------------|-------|
| 21880         | 25-02 |
| 21881         | 25-02 |
| 21882         | 25-02 |
| 21883         | 25-02 |
| 21899         | 30-03 |

# **Iris um Oifig Maoine Intleachtúla na hÉireann**

## **Journal of the Intellectual Property Office of Ireland**

### **Cuid II**

### **Trádmharcanna**

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**No. 2421****Wednesday, 30 September, 2020**

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**NOTE:** *The office does not guarantee the accuracy of its publications nor undertake any responsibility for errors or omissions or their consequences.*

*In this Part of the Journal, unless the context otherwise requires, a reference to the 1963 Act means the Trade Marks Act, 1963, a reference to the 1963 Rules means the Trade Marks Rules, 1963, a reference to the 1996 Act means the Trade Marks Act, 1996 and a reference to the 1996 Rules means the Trade Marks Rules, 1996.*

### **Official Notice**

#### **Resumption of telephone enquiry service**

Due to the COVID 19 pandemic, the Intellectual Property Office of Ireland had been unable to deal with personal callers or telephone enquiries since 13 March 2020. While the Office remains unable to facilitate personal callers to its premises until further notice, telephone enquiries are being accepted on 00 353 56 7720111 beginning Tuesday 23 June between 9.30 a.m. until 4 p.m. Monday to Friday.

Clients and customers are asked to use our online e-filing and payment services, to continue to communicate with us by email whenever possible and to note that there may be delays in dealing with telephone calls and responding to postal communications because staff are working remotely.

Telephone enquiries: 00 353 56 7720111

E-mail enquiries: [ipinfo@ipoi.gov.ie](mailto:ipinfo@ipoi.gov.ie)

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## Application for Registration of marks published under Section 43(1) of the 1996 Act following acceptance

Notice is hereby given that Applications for the Registration of the undermentioned trade marks have been accepted.

Any person who desires to oppose the registration of these trade marks may within three months from the date of this Journal give notice to the Controller, in accordance with the provisions of Rule 18.

It should be noted that under the provisions of Rule 63(2) no extension of the opposition period is allowed for lodging opposition under Rule 18.

It is desirable before lodging formal opposition that a communication should be addressed to the Applicant affording him an opportunity to withdraw his application for registration. In this way cost of opposition proceedings may be avoided.

### FARMSY

**263487**    08 August 2020

Class 35.    Business management  
                 organisation; Business  
                 management services.

Carmen Arundel, Knocknagallagh, Bandon p72y205,  
Ireland. Address for service is c/o Carmen Arundel,  
Knocknagallagh, Bandon p72y205, Ireland.

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### Outdare Adventures

**263488**    09 August 2020

Class 39.    Travel arrangements;  
                 Transport.

Derek Cullen, 9 Killakee Walk, Dublin, Ireland.  
Address for service is c/o Derek Cullen, 9 Killakee  
Walk, Dublin, Ireland.

### THE TIPSY COW

**263489**    10 August 2020

Class 16.    Printed matter; printed  
                 materials; printed  
                 publications; menus; cookery  
                 books, recipe books;  
                 brochures; booklets;  
                 information packs; leaflets;  
                 newsletters; pamphlets;  
                 guides; publicity material;  
                 posters; photographs,  
                 paintings, drawings, prints,  
                 pictures; catalogues; fact  
                 sheets; recipe cards;  
                 stationery; writing pads, note  
                 pads; writing instruments,  
                 pens, pencils; gift vouchers;  
                 cards for use in sales and  
                 promotional incentive  
                 schemes; calendars; diaries;  
                 paper napkins; paper  
                 tablecloths; coasters and place  
                 mats made from paper or  
                 cardboard; beer mats; paper  
                 and plastic bags.

Class 43.    Hotel, bar, and restaurant  
                 services; public house  
                 services; hospitality services  
                 (provision of food and drink);  
                 services for the preparation  
                 and serving of food and drink;

tea-room, coffee shop, diner, brasserie, bistro, delicatessen, café-bar, café, cafeteria, canteen, cocktail lounge and/or snack bar services; bakery services; food cooking services; catering services; sandwich bar and take-away restaurant services; private dining services; preparation of meals, foodstuffs and beverages; preparation of meals, foodstuffs and beverages for consumption off the premises; take away snack services; take away food services; take away beverage services; pop-up restaurant services; provision of facilities for the consumption of food and beverages; business catering services; mobile catering services; outside catering services; services for the organisation of the catering at functions; booking of restaurant places; contract food services; personal chef services; hospitality services and corporate hospitality services for the provision of food and/or drink; planning, providing and/or managing catering arrangements for public, private and/or corporate events; provision of catering services for events; provision of facilities for parties and private functions; banqueting services; providing personalised meal planning services via a website; information, advisory and consultancy services relating to all of the aforementioned services.

Colin O'Neill, Rampark, Jenkinstown, Dundalk, Ireland. Address for service is c/o Joanne Lecky, Dewdney Drew, Christian Finn, c/o Murgitroyd & Company, Unit 1, Block 8, Blanchardstown Corporate Park, Cruiserath Road, Dublin 15, Ireland.

## Water club of the Harbour of Cork

**263490** 14 July 2020

Class 41. Leisure services.

Stephen King, 9 Tramway Terrace, Douglas, Cork T12 YP23, Ireland. Address for service is c/o Stephen King, 9 Tramway Terrace, Douglas, Cork T12 YP23, Ireland.

## Earl Of Inchiquin 1720 Gin

**263491** 15 July 2020

Class 33. Gin.

Stephen King, 9 Tramway Terrace, Douglas, Cork T12YP23, Ireland. Address for service is c/o Stephen King, 9 Tramway Terrace, Douglas, Cork T12YP23, Ireland.



**263492** 05 August 2020

Class 41. Education; education information; education

consultancy; training;  
information and advisory  
services relating to the  
aforesaid services.

An Post GeoDirectory Limited, General Post Office,  
O'Connell Street, Dublin 1, Ireland. Address for  
service is c/o FRKelly, 27 Clyde Road, Ballsbridge,  
Dublin 4, Ireland.



**263493** 10 August 2020

Class 16. Printed matter; printed materials; printed publications; menus; cookery books, recipe books; brochures; booklets; information packs; leaflets; newsletters; pamphlets; guides; publicity material; posters; photographs, paintings, drawings, prints, pictures; catalogues; fact sheets; recipe cards; stationery; writing pads, note pads; writing instruments, pens, pencils; gift vouchers; cards for use in sales and promotional incentive schemes; calendars; diaries; paper napkins; paper tablecloths; coasters and place mats made from paper or

cardboard; beer mats; paper and plastic bags.

Class 43. Hotel, bar, and restaurant services; public house services; hospitality services (provision of food and drink); services for the preparation and serving of food and drink; tea-room, coffee shop, diner, brasserie, bistro, delicatessen, café-bar, café, cafeteria, canteen, cocktail lounge and/or snack bar services; bakery services; food cooking services; catering services; sandwich bar and take-away restaurant services; private dining services; preparation of meals, foodstuffs and beverages; preparation of meals, foodstuffs and beverages for consumption off the premises; take away snack services; take away food services; take away beverage services; pop-up restaurant services; provision of facilities for the consumption of food and beverages; business catering services; mobile catering services; outside catering services; services for the organisation of the catering at functions; booking of restaurant places; contract food services; personal chef services; hospitality services and corporate hospitality services for the provision of food and/or drink; planning, providing and/or managing catering arrangements for public, private and/or corporate events; provision of catering services for events; provision of facilities for parties and private functions; banqueting services; providing personalised meal planning services via a website; information, advisory and consultancy services relating to all of the aforementioned services.

Colin O'Neill, Rampark, Jenkinstown, Dundalk, Ireland. Address for service is c/o Joanne Lecky, Dewdney Drew, Christian Finn, c/o Murgitroyd & Company, Unit 1, Block 8, Blanchardstown Corporate Park, Cruiserath Road, Dublin 15, Ireland.

chips and crisps; frozen and chilled foodstuffs all being fruits and/or vegetables.

Priority Date Claimed: 05 September 2019 United Kingdom

McCain Foods (GB) Limited, Havers Hill, Scarborough, North Yorkshire YO11 3BS, United Kingdom. Address for service is c/o Fiona Gorman, C/O F. F. Gorman & Co, 15 Clanwilliam Square, Dublin 2, Ireland.

The application for registration is proceeding with the consent of the proprietors of Registered Irish Trade Mark number 259073

## The Churchyard Sessions

**263494** 06 August 2020

Class 41. Music festival services; Organising of festivals; Organisation of festivals; Festivals (Organisation of -) for recreational purposes; Festivals (Organisation of -) for entertainment purposes; Arranging of festivals for cultural purposes; Music performances.

Ciara O Connell T/A Central Arts, 21 Grange Lawn, Waterford, Ireland. Address for service is c/o Ciara O Connell T/A Central Arts, 21 Grange Lawn, Waterford, Ireland.

## Recharge

**263496** 08 August 2020

Class 2. Toner; Ink jet printer ink.  
Class 9. Mobile phones.  
Class 35. Retail services in relation to stationery supplies.

Gareth Welton, Newtown Carbury, Baylough, Athlone N37 V4K4, Ireland. Address for service is c/o Gareth Welton, Newtown Carbury, Baylough, Athlone N37 V4K4, Ireland.

The mark in use is/will be in the colours Cyan Magenta Yellow Black

## GASTRO ROASTS

**263495** 15 January 2020

Class 29. Prepared meals and snack foods consisting primarily of potatoes and potato based products, preserved, dried and cooked fruits and vegetables; preserved, dried and cooked fruits and vegetables; processed potatoes and potato based snacks; French fries,



**263497** 29 October 2019

Class 20. Beds; divan beds; beds incorporating inner sprung mattresses; foldaway beds; sofa beds; bedsteads; bedstead base boards; divan bases; headboards; bed foundations; upholstered units; mattresses; mattress bases; spring mattresses; pocket spring mattresses; toppers for mattresses; parts and fittings for beds and mattresses; bedding; pillows; cushions; bolsters; seating; chairs; settees; sofas; tables; springs for use in furniture; springs for use in foldaway beds; springs for use in sofa beds; springs for use in mattresses; springs for use in mattress bases; springs for use in spring mattresses; springs for use in pillows; springs for use in cushions; springs for use in bolsters; springs for use in seating; springs for use in chairs; springs for use in settees; springs for use in sofas; springs for use in tables; springs for use in theatre seats; springs for use in auditorium seats; springs for use in cinema seats; pocket springs for use in furniture; pocket springs for use in foldaway beds; pocket springs for use in sofa beds; pocket springs for use in mattresses; pocket springs for use in mattress bases; pocket springs for use in spring mattresses; pocket springs for use in pillows; pocket springs for use in cushions; pocket springs for use in bolsters; pocket springs for use in

seating; pocket springs for use in chairs; pocket springs for use in settees; pocket springs for use in sofas; cots; cot beds; cot mattresses; cot bed mattresses; springs for use in cot beds; fittings and accessories for the aforesaid.

Priority Date Claimed: 28 October 2019 United Kingdom

Harrison Spinks Beds Limited, Westland Road, Leeds, Leeds LS11 5SN, United Kingdom. Address for service is c/o David Hackett, Temple Chambers, 3 Burlington Road, Dublin 4, Ireland.

The application for registration is proceeding with the consent of the proprietors of Registered European Union Trade Mark number 017912631

The mark in use is/will be in the colour(s) Navy Blue - Pantone 296c and Gold - Pantone 4505c

1.1:



2.1:



3.1:



4.1:



5.1:



6.1:



Application is for a Series of 6 Trade Marks.

**263498** 10 August 2020

- Class 9. Electronic publications; instructional and teaching material provided in electronic format, including such materials for use in the provision of on-line training courses; magnetic data carriers and other storage media; computer software, compact discs, DVD's and CD-Roms.
- Class 16. Publications, printed matter, books, manuals and instructional and teaching materials.
- Class 36. Banking and financial services; insurance and assurance services; mortgage services and mortgage advisory and consultancy services; pension services and pension advisory and consultancy services; investment advisory services; administration of payment

services, consulting with regard to payments; financial services, namely banking, payment, credit card, debit card, charge card and stored value electronic services; payment processing and payment services; the provision of payment processing services in similar or different currencies; funds transfer services; bill payment services; payment transaction services; financial services; electronic processing of business-to-business payments in similar or different currencies; payment of bills in similar or different currencies via computer terminals connected to networks and the global computer network; electronic payment services; provision of services to enable consumers and merchants to send and receive payments via the internet, telephone, mobile and wireless devices; cashless and virtual cash payment services; services for merchants and consumers whereby funds are held in trust and sent to merchants upon sales to consumers; financial processing services; provision of information, consultancy and advice relating to the aforesaid; bill payment services provided through a website; credit and financial consultation; payment processing services, namely, credit card and debit card transaction processing services; electronic commerce payment services; electronic foreign exchange payment processing; Advisory and consultancy services relating to the detection, awareness and prevention of financial fraud; advice and assistance to professionals engaged in the provision of banking and financial services relating to

detection, awareness and prevention of financial fraud; providing advice and assistance to professionals engaged in the provision of banking and financial services; information provided on-line from a computer database or from the Internet relating to detection, awareness and prevention of financial fraud; provision of information regarding financial matters namely position papers, consultation documents and other documents and papers by way of the internet and via a members area on a website.

Class 41. Educational and training services related to banking and finance; arranging and conducting of conferences, lectures, seminars, presentations, workshops, classes and courses relating to banking and finance; publication of educational materials and information relating to banking and finance; providing education, training, advice and assistance to professionals engaged in the provision of banking and financial services; the electronic publication of educational materials and information relating to banking and finance; the provision of on-line training courses relating to banking and finance.

Class 45. Providing accreditation services for membership of professional banking bodies and financial service providers and promoting the interests of individuals engaged in the provision of banking and financial services.

THE INSTITUTE OF BANKERS IN IRELAND trading as THE INSTITUTE OF BANKING, 1 North Wall Quay, Dublin 1, Ireland. Address for service is c/o MACLACHLAN & DONALDSON (IRELAND) LIMITED, trading as MACLACHLAN & DONALDSON, Unit 10, 4075 Kingswood Road, Citywest Business Campus, Dublin 24 D24 C56E, Ireland.

The first mark in the series in use is/will be in the colour light grey. The second mark in the series in use is/will be in the colour malahide orange. The third mark in the series in use is/will be in the colour navy blue. The fourth mark in the series in use is/will be in the colour St. Patricks Blue. The fifth mark in the series in use is/will be in the colour white (the black back ground does not form part of the mark and is shown only for the purposes of highlighting the white lettering. The sixth mark in the series in use is/will be in the colour emerald green.

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## RENA

**263499** 27 August 2019

Class 41. Health and fitness club services; gym services; sports services; leisure services; providing leisure and recreational facilities in hotels.

Class 44. Spa services; beauty spa services; health spa services; provision of spa facilities; beauty care services provided by a health spa; medical treatment services provided by a health spa; beauty salon services; beauty therapy treatments; healthcare services; health centre services.

JURYS HOTEL MANAGEMENT (UK) LIMITED, 245 Broad Street, Birmingham B1 2HQ, United Kingdom. Address for service is c/o FRKelly, 27 Clyde Road, Ballsbridge, Dublin 4, Ireland.

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## POWERS DISTILLER'S CUT

**263500** 23 July 2020

Class 33. Whiskey complying with the specifications of the protected geographical indication "Irish Whiskey"; whisky and whisky-based beverages.

IRISH DISTILLERS INTERNATIONAL LIMITED, Simmonscourt House, Simmonscourt Road, Ballsbridge, Dublin 4, Ireland. Address for service is c/o TOMKINS & CO., 5 Dartmouth Road, Dublin 6, Ireland.

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## CEREPAK FREEFORM

**263501** 30 July 2020

Class 10. Medical devices in the nature of a delivery system for the endovascular treatment of vascular abnormalities; medical devices in the nature of a surgical implant made of artificial materials for the endovascular treatment of vascular abnormalities; medical device systems for use in endovascular treatment of vascular abnormalities; microcatheters and catheters for use in endovascular

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treatment of vascular abnormalities.

JOHNSON & JOHNSON, ONE JOHNSON & JOHNSON PLAZA, NEW BRUNSWICK, NEW JERSEY 08933, United States of America. Address for service is c/o DAVID HACKETT C/O EUGENE F. COLLINS SOLICITORS, Temple Chambers, 3 Burlington Road, Dublin 4, Ireland.

## Catherine Fulvio

**263502** 04 August 2020

- Class 16. Cookery books.  
 Class 41. Entertainment;  
 Correspondence courses relating to cookery; Corporate hospitality (entertainment); Hospitality services (entertainment); Entertainment services; Interactive entertainment; Television entertainment; Radio entertainment; Entertainment information; Information (Entertainment -); Provision of entertainment; Audio entertainment services; Interactive entertainment services.  
 Class 43. Cookery advice; Hospitality services [accommodation]; Hospitality services [food and drink]; Catering services for hospitality suites; Corporate hospitality (provision of food and drink); Providing temporary accommodation as part of hospitality packages.

Catherine Fulvio, Ballyknocken House and Cookery School, Glenealy, Co. wicklow A67 X720, Ireland. Address for service is c/o Catherine Fulvio, Ballyknocken House and Cookery School, Glenealy, Co. wicklow A67X720, Ireland.

## PRESSED IN TIME

**263503** 06 August 2020

- Class 37. Laundry services; dry cleaning; provision of laundry facilities; providing washing and drying laundry facilities; installation of laundry and dry cleaning equipment; rental of laundry and dry cleaning machines and equipment; clothing, linen and fabric ironing; cleaning, drying and repairing of clothes; cleaning and care of fabric, textiles and leather; stain removal; carpet and curtain cleaning; cleaning of mattresses; shoe cleaning and repair.

Priority Date Claimed: 07 February 2020 United Kingdom

Pressed in Time (Pty) Limited, Block 809/2, Hammets Crossing, 2 Selbourne Road, Maroeladal, Johannesburg North, South Africa. Address for service is c/o Karen Veitch, Lincoln IP Limited, 4 Rubislaw Place, Aberdeen AB101XN, United Kingdom.



**263504** 10 August 2020

- Class 30. Chocolate.

Michael O Dwyer, 11 Annesley House, Blackrock Road, Cork City T12Y2R3, Ireland. Address for service is c/o Michael Dwyer, 11 Annesley House, Blackrock Road, Cork City T12Y2R3, Ireland.

The mark in use is/will be in the colours Gold and Brown



**263505** 31 July 2020

Class 16. Gift vouchers.

David Loftus, Station House, Skiddernagh, Manulla, Co. Mayo F23 VR02, Ireland. Address for service is c/o David Loftus, Station House, Skiddernagh, Manulla, Co. Mayo F23 VR02, Ireland.

The mark in use is/will be in the colours RGBR 11G 65B 187



**263506** 13 March 2018

Class 9. Software; Databases (electronic); Software and

applications for mobile devices

Class 35. Administrative data processing; Human resources management and recruitment services; Payroll processing services [for others]; Accountancy, book keeping and auditing; Job placement consultancy; Personnel recruitment services and employment agencies; Temporary personnel services; Employee leasing; Outsourcing services [business assistance]; Business analysis, research and information services; Collecting information for business; Advertising, marketing and promotional services

Class 42. Hosting services and software as a service and rental of software; Software as a service [SaaS]; Platform as a service [PaaS]; Software development, programming and implementation; Providing online, non-downloadable software

HELLOWORK OY, HelloWork OY PL 3 Vantaa 01621 FI, FI-01621 Vantaa, Finland. Address for service is c/o IPRIQ OY, Eteläesplanadi 2, FI-00130 Helsinki, Finland.

## Irish Master Of Harriers Association

**263507** 10 August 2020

Class 41. Hunting guide services.

Tom Shanahan, Kilkarney, Ballinure, Thurles  
Tipperary E41 EP92, Ireland. Address for service is  
c/o TOM SHANAHAN, Kilkarney, Ballinure,  
Thurles E41EP92, Ireland.

## SKINNY CURRY

**263508** 09 June 2020

Class 29. Pre-cooked curry; Meat, fish  
and poultry based prepared  
meals and curry dishes;  
Vegetarian curry dishes.

CAMILE THAI KITCHEN LIMITED, Unit 9,  
Northern Cross Business Park, Finglas, Dublin 11,  
Ireland. Address for service is c/o FRKelly, 27 Clyde  
Road, Ballsbridge, Dublin 4, Ireland.

The application for registration is proceeding with the  
consent of the Proprietor of International Trade Mark  
Registration No. 1151462.

## CannDeFi

**263509** 12 August 2020

Class 42. Blockchain as a Service  
[BaaS].

Owen O'Driscoll, St. Martins, Rigsdale, Ballinhassig,  
Cork P12E98W, Ireland. Address for service is c/o  
Owen O'Driscoll, c/o Gerard Murphy, 46 St Mary's  
Road, Midleton, Cork P25KX56, Ireland.

The mark in use is/will be in the colours Black and  
Blue



**263510** 12 August 2020

Class 35. Retail services in relation to  
hair products.

K-ROC, 92 Glenbrook, Oldsingland Road, Limerick  
V94XKD4, Ireland. Address for service is c/o K-  
ROC, c/o Keith Goodwin, 92 Glenbrook, Oldsingland  
Road, Limerick V94XKD4, Ireland.

The mark in use is/will be in the colours Black ,white  
,red

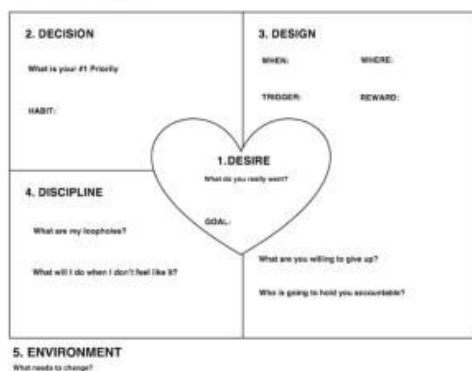


263511 15 August 2020

Class 43. Restaurant and take-away restaurant services; pizza restaurant and take-away pizza restaurant services.

Greg O'Mahoney, 9 Hawthorne Avenue, Bird Avenue, Clonskeagh, Dublin D14, Ireland. Address for service is c/o Barry Purdy, c/o PurdyLucey Intellectual Property, 6-7 Harcourt Terrace, Dublin 2, Ireland.

The Habit Canvas



263512 07 February 2020

Class 41. Coaching; Coaching services; Coaching [training]; Life coaching (training); Personal coaching [training]; Personal development training; Personal development courses; Provision of training courses in personal development.

Ciara Conlon, Woodview, Ballustree, Skerries Road, Rush, Co. Dublin K56 HV08, Ireland. Address for service is c/o Ciara Conlon, Woodview, Ballustree, Skerries Road, Rush, Co. Dublin K56 HV08, Ireland.



263513 14 July 2020

Class 29. Fried chicken; Dairy desserts.  
Class 30. Coffee, teas and cocoa and substitutes therefor.

Ling Xin XUE, 87 Lee Drive Ballinorig, Tralee, Kerry V92 PKK4, Ireland Yeung Michael Pak Ho, 87 Lee Drive Ballinorig, Tralee, Kerry V92 PKK4, Ireland. Address for service is c/o Ling Xin XUE, 87 Lee Drive Ballinorig, Tralee, Kerry V92 PKK4, Ireland.

The mark in use is/will be in the colours black

1.1:



2.1:



Application is for a Series of 2 Trade Marks.

**263514** 15 July 2020

Class 9. Contact lenses.

Bausch & Lomb Incorporated, 1400 N. Goodman Street, Rochester, New York 14609, United States of America. Address for service is c/o TOMKINS & CO., 5 Dartmouth Road, Dublin 6, Ireland.

The application for registration is proceeding with the consent of the proprietors of Registered European Union Trade Mark No. 013844055.

The first mark in the series, in use, is/will be in the colour(s) blue, navy, dark blue, light blue and white

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**PHARGLUE**

**263515** 20 July 2020

Class 5. Animal hooves adhesive for cow hoof treatment.

Pharvet (Ireland) Ltd, Unit 29 Cookstown Industrial Estate, Second Avenue, Dublin 24, Ireland. Address for service is c/o Pharvet (Ireland) Ltd, Unit 29 Cookstown Industrial Estate, Second Avenue, Dublin 24, Ireland.

# happen.

**263516** 12 August 2020

- Class 36. Renting of offices.  
 Class 41. Business educational services; Arranging and conducting of educational events; Organisation of educational events; Arranging of workshops; Conducting workshops [training]; Arranging and conducting workshops; Workshops for training purposes; Workshops for educational purposes; Conducting courses, seminars and workshops; Arranging professional workshop and training courses.

Innovate Limerick DAC t/a Innovate Limerck, Upper Cecil St, Limerick V94 TN32, Ireland. Address for service is c/o Innovate Limerick DAC t/a Innovate Limerck, C/o Leah Morgan, ENGINE, Upper Cecil St, Limerick V94TN32, Ireland.

The mark in use is/will be in the colours Black, White

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**get grinds**

**Get Grinds**

Application is for a Series of 2 Trade Marks.

**263517** 13 January 2020

- Class 36. Monetary transactions; Financial transactions; Arranging financial transactions; Electronic cash transactions.

Class 38. Communications services;  
Communication services;  
Digital communication  
services; Computerised  
communication services;  
Video communication  
services.

Stephen Hughes, 51 Erris Road, Cabra, Dublin 7 D07 WK64, Ireland. Address for service is c/o Stephen Hughes, 51 Erris Road, Cabra, Dublin 7 D07 WK64, Ireland.

The mark in use is/will be in the colour(s) Black, Blue, Red.

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## DIORAHYDRATE

**263518** 27 April 2020

Class 5. Pharmaceutical preparations;  
nutritional supplements; food  
supplements for medical use;  
dietary supplements; vitamins;  
mineral substances for  
medical use; rehydration  
preparations.

AVENTISUB LLC, 55 Corporate Drive,  
BRIDGEWATER, NJ 08807, United States of  
America. Address for service is c/o FRKelly, 27  
Clyde Road, Ballsbridge, Dublin 4, Ireland.



**263519** 14 August 2020

Class 9. Visors [protective].  
Class 15. Music stands.

Tadgh Doyle, Glencarrig Stud, Mount Prospect,  
Rathangan R51K683, Ireland. Address for service is  
c/o Tadgh Doyle, Glencarrig Stud, Mount Prospect,  
Rathangan R51K683, Ireland.

The mark in use is/will be in the colours Black White  
and Blue

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## BULK POWDERS

**263521** 20 May 2019

Class 29. Meat, fish, poultry and game;  
meat extracts; cured meat;  
preserved, dried and cooked  
fruits and vegetables; edible  
nuts; jellies, jams, compotes;  
prepared meals consisting  
primarily of meat, fish,  
poultry or vegetables; potato  
based snack food, fruit based  
snack food, vegetable based  
snack food, nut based snack  
food, soya based snack food;  
eggs; milk and milk products;  
liquid egg whites; soups;

- edible oils and fats; peanut butter; almond butter.
- Class 30. Coffee, tea, cocoa, sugar, rice, preparations made from cereals; cereal bars; snack bars containing grains; snack bars containing nuts; snack bars containing dried fruit; snack bars containing chocolate; snack bars containing protein supplements; energy bars; bread, pastry confectionery; food and drink flavourings; sandwiches; prepared meals consisting primarily of pasta or rice; pizzas, pies and pasta dishes.
- Class 32. Mineral and aerated drinks; non-alcoholic drinks; energy gels and drinks; sports gels and drinks; fruit drinks and fruit juices; preparations for making energy drinks and sports drinks; drinks fortified with protein; drinks fortified with vitamins; drinks fortified with minerals; drinks fortified with carbohydrate; drinks fortified with fibre; drinks fortified with dietary supplements.
- Class 35. Retail services and on-line retail services connected with meat, fish, poultry and game, meat extracts, cured meat, preserved, dried and cooked fruits and vegetables, nuts, jellies, jams, compotes, prepared meals, snack food, eggs, milk and milk products, egg whites, soups, edible oils and fats, peanut butter, almond butter, coffee, tea, cocoa, sugar, rice, preparations made from cereals, cereal bars, snack bars, energy bars, bread, pastry confectionery, food and drink flavourings, sandwiches, prepared meals, pizzas, pies and pasta dishes, mineral and aerated drinks, non-alcoholic drinks, energy gels and drinks, sports gels and drinks, fruit drinks and fruit juices,

preparations for making energy drinks and sports drinks, drinks fortified with protein, drinks fortified with vitamins, drinks fortified with minerals, drinks fortified with carbohydrate, drinks fortified with fibre, drinks fortified with dietary supplements.

Sports Supplements Limited, Unit 1, Gunfleet Business Park, Brunel Way, Colchester, Essex CO4 9QX, United Kingdom. Address for service is c/o FRKelly, 27 Clyde Road, Ballsbridge, Dublin 4, Ireland.

## Tan Republic

**263522** 12 August 2020

- Class 3. Self tanning preparations; Self tanning lotions [cosmetic]; Self tanning creams [cosmetic]; Self-tanning preparations [cosmetic]; Self-tanning preparations [cosmetics]; Cosmetic tanning preparations.

Orla Fitzgibbon, 7 Ashington Avenue naven road dublin 7, Navan Road, Dublin 7 D07 R9A2, Ireland. Address for service is c/o Orla Fitzgibbon, 7 Ashington Avenue naven road dublin 7, Navan Road, Dublin 7 D07 R9A2, Ireland.

The mark in use is/will be in the colours Black

## The Body Band

**263523** 13 August 2020

Class 28. Exercise bands.

Holly Archer, The Ranch, New Road, Greystones A63 HD76, Ireland. Address for service is c/o Holly Archer, The Ranch, New Road, Greystones, Ireland.

The mark in use is/will be in the colours Black and/or White

## Bespoke Bars

**263524** 14 August 2020

Class 43. Rental of bar equipment; Restaurant and bar services; Restaurant services incorporating licensed bar facilities.

Edward Devitt, 42 Woodview Grove, Blanchardstown, Dublin 15, Ireland. Address for service is c/o Edward Devitt, 42 Woodview Grove, Blanchardstown, Dublin 15, Ireland.

The mark in use is/will be in the colours Orange on black

## Golden Yacca

**263525** 14 August 2020

Class 3. Cosmetics; Skincare preparations; Toiletries; Essential oils; Dentifrices.  
Class 5. Dietary and nutritional supplements; Food supplements; Medicated dentifrices.

Golden Yacca Ltd, 2 Barn Close, Albourne, Hassocks, West Sussex BN6 9DG, United Kingdom. Address for service is c/o Golden Yacca Ltd c/o Tomas Stehlik, 2 Barn Close, Albourne, Hassocks, West Sussex BN69DG, United Kingdom.

1.1:



2.1:



Application is for a Series of 2 Trade Marks.

**263526** 21 September 2019

Class 35. Management of the business affairs and commercial functions of an industrial or

commercial enterprise. Advertising services for others via mail order catalogues or by means of electronic media, web and mobile platforms. Advertisement services for our clients on the panels of our cargo bicycles. The bringing together, for the benefit of others a variety of goods enabling customers to conveniently view and purchase goods from our clients via mail order catalogues or by means of electronic media, web and mobile platforms or on the panels of our cargo bicycles. Services consisting of the registration, transcription, composition, compilation or systematization of written communications and registrations, and also the compilation of mathematical or statistical data.

- Class 39. Services for the transport of goods, namely, to provide a bicycle delivery service or to connect a sender and a recipient in order to organize the delivery of any goods/service they need. Services for the transport of people and animals, namely, to provide a bicycle/rickshaw taxi service or to connect the people who need a ride and a rider in order to organize the ride. Services connected with the hiring of transport vehicles, namely, to hire a bicycle to delivery riders for their deliveries. Services connected with the packaging and parcelling of goods before dispatch namely, to fulfil orders for our business customers. Services consisting of information about journeys or the transport of goods, namely, to inform customers about the stage or location of their delivery (parcel).

Sasa Stanisavljevic, 11 Kempton Lawn, Navan Road, Ashtown, Dublin D07P8F5, Ireland. Address for service is c/o Sasa Stanisavljevic, 11 Kempton Lawn, Navan Road, Ashtown, Dublin D07P8F5, Ireland.



263527 11 August 2020

Class 16. Paper and cardboard.

Highland Titles Limited, St Annes House, Victoria Street, Alderney GY9 3UF, United Kingdom. Address for service is c/o Highland Titles Limited, c/o Peter Bevis, PO Box 7059, Roybridge, Highland PH314WA, United Kingdom.

The mark in use is/will be in the colours green and yellow



**263528** 20 August 2020

Class 43. Takeaway food and drink services.

Spice and Rice Express Limited, Unit 6 Trinity Court, Fonthill Road, Dublin D22YE30, Ireland. Address for service is c/o IMK Law Solicitors, 30-36 Ormond Quay, Dublin 7, Ireland.

The mark in use is/will be in the colours Purple and Orange

The mark in use is/will be in the colours Purple, green, blue, yellow, red, orange, grey

## TanBag

**263530** 03 August 2020

Class 3. Self tanning preparations.  
Class 40. Tanning.

Orla Fitzgibbon, 7 Ashington Avenue, Navan Road, Dublin 7, Ireland. Address for service is c/o Orla Fitzgibbon, 7 Ashington Avenue, Navan Road, Dublin 7, Ireland.

The mark in use is/will be in the colours Black



**263529** 20 August 2020

Class 16. Educational books.  
Class 41. Education services.

Brett Campbell, 11 College Green, Green Road, Carlow R93H9Y4, Ireland. Address for service is c/o Brett Campbell, 11 College Green, Green Road, Carlow R93H9Y4, Ireland.

## TAKE LIFE BACK

**263531** 05 February 2020

Class 44. Medical services, namely providing medical information to health care professionals and patients.

Novartis AG, 4002, Basel, Switzerland. Address for service is c/o Tomkins & Co, 5 Dartmouth Road, Dublin 6, Ireland.

## Adding Taste To Life

263532 29 July 2020

Class 21. Cool bags, lunch boxes, mugs, tableware, pottery, household and kitchen utensils and containers, drinking flasks, paper tableware

Class 29. Dairy products; chilled dairy desserts; dairy desserts; dairy-based beverages; dairy puddings; dairy spreads; milk; milk products; desserts made from milk products; flavoured milk; evaporated milk; flavoured milk drinks; fromage frais; fruit flavoured yoghurts; yoghurt; low fat yoghurts; milk-based beverages; milk beverages; milkshakes; powdered milk; protein milk; rice milk; yoghurt desserts; desserts comprising of yoghurt and fruit, yoghurt and nuts, yoghurt and cereals, yoghurt and edible seeds, yoghurt and chocolate, yoghurt and confectionery and/or yoghurt and honey; yoghurt drinks; yogurt based beverages; dairy substitutes; desserts made from dairy substitutes; custard style yoghurts; drinks containing yoghurt and fruit juice; drinks containing yoghurt and fruit puree; jellies; jelly desserts; jams; fruit purees; margarine; dips; semi-skimmed milk; skimmed-milk; edible oils and edible fats; cream; butter; cheese; cottage cheese; cheese spread; soya milk; long life milk; beverages derived from milk; drinks made wholly or principally with milk; candied nuts; candied fruits; fruit-based snack food; fruit desserts; milk-based snacks; nuts, prepared; quark. Dairy substitutes; products made

predominantly from dairy substitutes; milk substitutes; soya milk; soybean milk; protein milk; almond milk; oat milk; coconut milk; peanut milk; rice milk; snacks made from milk or dairy substitutes; desserts and puddings made from milk or dairy substitutes; artificial milk based desserts; yoghurt made from milk substitutes; beverages consisting principally of milk substitutes; flavoured milk substitutes; dairy substitute spreads; milkshakes made principally from milk substitutes.

Class 30. Desserts, all made wholly or principally of rice; desserts and puddings; rice pudding; rice based dessert; dairy ice cream; frozen yoghurt; fruit ices; ice cream; ices; muesli desserts; snacks made from muesli; chocolate based spreads; chocolate; candies; chocolate coated sugar confectionery; chocolate desserts; chocolate mousses; chocolate sauces; confectionery; dairy confectionery; confectionery in liquid form; creamed rice; custards; snacks; snack dips; dessert mousses; frozen confectionery; cereals; cereal preparations; cereal bars; cereal snacks; rice snacks, rice-based snack food, wheat-based snack food, cereal-based snack food, granola-based snack bars, cereal-based snack bars; muesli bars; biscuits; cookies; instant dessert puddings; ready-to-eat puddings; prepared desserts [confectionery]; fruit sauces; chocolate beverages; chocolate beverages with milk; cocoa beverages with milk; coffee beverages with milk; iced tea; sorbets; syrups and other preparations for stiffening whipped cream; ice cream drinks.

- Class 32. Non-alcoholic soya drinks; syrups and other preparations on the basis of soya for making beverages; oat-based beverages; soy based beverages; soya based beverages; brown rice beverages; rice based beverages.
- Class 35. Retail services connected with the sale of bags, shopping bags, bags made of plastics and/or plastics materials, cool bags, isothermic bags, cool boxes, portable coolers, dairy products, dairy puddings, dairy desserts, milk products, desserts made from milk products, yoghurts, yoghurt desserts, desserts comprising yoghurt and fruit, yoghurt and nuts, yoghurt and cereals, yogurt and edible seeds, yogurt and chocolate, yogurt and confectionery, yoghurt and honey, yoghurt drinks, yoghurt-based beverages, dairy-based beverages, dairy substitutes, desserts, all made wholly or principally of rice, desserts and puddings, frozen yogurts, frozen confectionery, cereals, cereal preparations, cereal bars, cereal snacks, rice snacks, rice-based snack food, wheat-based snack food, cereal-based snack food, granola-based snack bars, cereal-based snack bars, muesli bars, biscuits, cookies, ice cream, ices, fresh fruits, fresh vegetables, nuts, seeds, mineral waters, aerated waters, non-alcoholic drinks, preparations for making non-alcoholic drinks, fruit and vegetable drinks, fruit juices, vegetable juices.
- Class 39. Collection, delivery, distribution and transport of goods by road; collection and delivery of goods and of milk, milk beverages and milk and dairy products; transport; packaging; storage and distribution of goods.

MULLER UK & IRELAND GROUP LLP, Tern Valley Business Park, Shrewsbury Road, Market Drayton, Shropshire, TF9 3SQ, United Kingdom. Address for service is c/o FRKelly, 27 Clyde Road, Ballsbridge, Dublin 4, Ireland.

### **Opposition(s) under Section 43 of the 1996 Act**

- 262828** Molkerei Alois Müller GmbH & Co. KG. Opposition filed 26 August 2020
- 263130** Trevor Gately. Opposition filed 20 August 2020
- 261369** Huddl Mobility Limited. Opposition withdrawn 10 September 2020
- 262243** Sheena Madden. Application withdrawn 11 September 2020
- 262473** Anthony Keating. Application withdrawn 11 September 2020

### **Application(s) Withdrawn after Advertisement under the 1996 Act**

- 261582** Yorhe Fluid Intelligent Control Co., Ltd

### **Application(s) deemed to be Withdrawn under Section 45(2) of the 1996 Act**

- 261405** James Sharkey

### **Trade Marks Registered under the 1996 Act**

- 261171** (2389) Cl. 43. Conor Jordan
- 261236** (2390) Cl. 35 39 40 41. Speedpak Limited
- 261993** (2400) Cl. 44. Catherine Roe
- 262191** (2402) Cl. 25. Sinead O'Brien

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|               |                                                                                        |               |                                                                                                                  |
|---------------|----------------------------------------------------------------------------------------|---------------|------------------------------------------------------------------------------------------------------------------|
| <b>103157</b> | Cl. 16. NCR CORPORATION                                                                | <b>219257</b> | Cl. 5. Virbac S.A.                                                                                               |
| <b>155064</b> | Cl. 9. Cardinal Health 529, LLC                                                        | <b>219437</b> | Cl. 7, Cl. 13, Cl. 16. ROXEL FRANCE                                                                              |
| <b>156928</b> | Cl. 11. PURMO GROUP (UK) LTD                                                           | <b>219468</b> | Cl. 5, Cl. 10. Bayer Oy                                                                                          |
| <b>156956</b> | Cl. 1, Cl. 2. Arkema France                                                            | <b>219527</b> | Cl. 3. YVES SAINT LAURENT<br>PARFUMS                                                                             |
| <b>157121</b> | Cl. 32. Coca-Cola HBC Northern Ireland<br>Limited                                      | <b>219545</b> | Cl. 20. SNAIDERO RINO S.p.A.                                                                                     |
| <b>157127</b> | Cl. 12. THE YOKOHAMA RUBBER<br>CO., LTD.                                               | <b>219627</b> | Cl. 5. Ipsen Consumer Healthcare                                                                                 |
| <b>157149</b> | Cl. 27. Roppe Corporation                                                              | <b>219687</b> | Cl. 5. Gebro Pharma GmbH                                                                                         |
| <b>157328</b> | Cl. 1, Cl. 2. Arkema France                                                            | <b>219815</b> | Cl. 5. VIRBAC S.A.                                                                                               |
| <b>157383</b> | Cl. 25. THE PENNSYLVANIA STATE<br>UNIVERSITY                                           | <b>219879</b> | Cl. 33. ALDI STORES (IRELAND)<br>LIMITED                                                                         |
| <b>157526</b> | Cl. 1, Cl. 2. Arkema France                                                            | <b>219937</b> | Cl. 5. SANOFI                                                                                                    |
| <b>157781</b> | Cl. 6. CONTROL COMPONENTS INC.                                                         | <b>219941</b> | Cl. 5. SANOFI                                                                                                    |
| <b>157896</b> | Cl. 1. CHEMTURA CORPORATION                                                            | <b>219991</b> | Cl. 11. Thermos L.L.C.                                                                                           |
| <b>157933</b> | Cl. 3. Boucheron Parfums SAS                                                           | <b>220368</b> | Cl. 5. AVENTIS<br>PHARMACEUTICALS INC.                                                                           |
| <b>158439</b> | Cl. 25. Iconix Europe LLC                                                              | <b>220434</b> | Cl. 17. Hevac Limited                                                                                            |
| <b>158440</b> | Cl. 25. Iconix Europe LLC                                                              | <b>220632</b> | Cl. 5. Diversey, Inc.                                                                                            |
| <b>158515</b> | Cl. 1. Lanxess Deutschland GmbH                                                        | <b>220955</b> | Cl. 16, Cl. 25. Lucy T. Power                                                                                    |
| <b>158776</b> | Cl. 29. Gruma, S.A.B. de C.V.                                                          | <b>221048</b> | Cl. 6, Cl. 9. NEXANS                                                                                             |
| <b>158777</b> | Cl. 30. Gruma, S.A.B. de C.V.                                                          | <b>221090</b> | Cl. 9, Cl. 12, Cl. 14, Cl. 16, Cl. 18, Cl.<br>25, Cl. 35, Cl. 41, Cl. 42. LAUREUS<br>WORLD SPORTS AWARDS LIMITED |
| <b>158778</b> | Cl. 29. Gruma, S.A.B. de C.V.                                                          | <b>221164</b> | Cl. 7, Cl. 12. Allison Transmission, Inc.                                                                        |
| <b>158779</b> | Cl. 30. Gruma, S.A.B. de C.V.                                                          | <b>221204</b> | Cl. 9, Cl. 17. Essilor International                                                                             |
| <b>158782</b> | Cl. 2. Lanxess Deutschland GmbH                                                        | <b>221904</b> | Cl. 29, Cl. 30, Cl. 32. SOCIÉTÉ DES<br>PRODUITS NESTLÉ S.A.                                                      |
| <b>159251</b> | Cl. 33. Suntory Holdings Limited                                                       | <b>221917</b> | Cl. 25, Cl. 35, Cl. 41, Cl. 42. LAUREUS<br>WORLD SPORTS AWARDS LIMITED                                           |
| <b>159664</b> | Cl. 19. SIG Trading (Ireland) Limited                                                  | <b>222497</b> | Cl. 35, Cl. 41. NürnbergMesse GmbH                                                                               |
| <b>159957</b> | Cl. 1. Timac Agro                                                                      | <b>223541</b> | Cl. 5. Monsanto Technology LLC                                                                                   |
| <b>160106</b> | Cl. 19. SIG Trading (Ireland) Limited                                                  | <b>224386</b> | Cl. 1. LANXESS CORPORATION                                                                                       |
| <b>160677</b> | Cl. 22. Golder Holdings Limited                                                        | <b>228021</b> | Cl. 36, Cl. 37, Cl. 42. SODEXO                                                                                   |
| <b>161508</b> | Cl. 5. IPSEN PHARMA                                                                    | <b>243255</b> | Cl. 29, Cl. 30, Cl. 32. PAUL FARRELL                                                                             |
| <b>161898</b> | Cl. 9, Cl. 16. UNITED ARTISTS<br>CORPORATION                                           | <b>244130</b> | Cl. 3, Cl. 44. SEAPPOINT CLINIC<br>LIMITED                                                                       |
| <b>163423</b> | Cl. 7. CARBORUNDUM ELECTRITE<br>a.s.                                                   | <b>244323</b> | Cl. 5. ALDI STORES (IRELAND)<br>LIMITED                                                                          |
| <b>163424</b> | Cl. 8. CARBORUNDUM ELECTRITE<br>a.s.                                                   | <b>244329</b> | Cl. 32. ALDI STORES (IRELAND)<br>LIMITED                                                                         |
| <b>163553</b> | Cl. 2. Akzo Nobel Coatings International<br>B.V.                                       | <b>244334</b> | Cl. 42. CATHERINE TROY                                                                                           |
| <b>164137</b> | Cl. 6. SIEPMANN-WERKE GmbH &<br>CO. KG.                                                | <b>244430</b> | Cl. 14. SEIKO HOLDINGS<br>KABUSHIKI KAISHA (also trading as<br>SEIKO HOLDINGS CORPORATION)                       |
| <b>164138</b> | Cl. 7. SIEPMANN-WERKE GmbH &<br>CO. KG.                                                | <b>244470</b> | Cl. 35, Cl. 38. JOHN MURRAY                                                                                      |
| <b>168188</b> | Cl. 33. LAURENT-PERRIER                                                                | <b>244500</b> | Cl. 6, Cl. 17, Cl. 19, Cl. 37. KINGSPAN<br>HOLDINGS (IRL) LIMITED                                                |
| <b>173651</b> | Cl. 9. Micro Focus LLC                                                                 | <b>244511</b> | Cl. 30. SOCIÉTÉ DES PRODUITS<br>NESTLÉ S.A.                                                                      |
| <b>177140</b> | Cl. 2. Akzo Nobel Coatings International<br>B.V.                                       | <b>244515</b> | Cl. 29. Glanbia Ireland Designated<br>Activity Company                                                           |
| <b>177277</b> | Cl. 29. The Chairman for the time being<br>of THE STILTON CHEESE MAKERS<br>ASSOCIATION | <b>244543</b> | Cl. 10, Cl. 42. CMBUS TEORANTA                                                                                   |
| <b>219035</b> | Cl. 9, Cl. 38, Cl. 42. Sanofi Pasteur<br>Europe                                        | <b>244571</b> | Cl. 11. TENACTA GROUP S.P.A.                                                                                     |
| <b>219052</b> | Cl. 25. Iconix Europe LLC                                                              | <b>244746</b> | Cl. 29. C.M. ROACH & CO. LIMITED                                                                                 |
| <b>219105</b> | Cl. 30, Cl. 42. PIZZA HUT<br>INTERNATIONAL, LLC                                        | <b>244747</b> | Cl. 29. C.M. ROACH & CO. LIMITED                                                                                 |
| <b>219150</b> | Cl. 16. Norske Skog AS                                                                 |               |                                                                                                                  |
| <b>219218</b> | Cl. 1. Bayer Aktiengesellschaft                                                        |               |                                                                                                                  |

|               |                                                          |
|---------------|----------------------------------------------------------|
| <b>245059</b> | Cl. 29, Cl. 30, Cl. 32. SOCIÉTÉ DES PRODUITS NESTLÉ S.A. |
| <b>245325</b> | Cl. 16, Cl. 41. HARMONIA LIMITED                         |
| <b>245326</b> | Cl. 16, Cl. 41. HARMONIA LIMITED                         |
| <b>246536</b> | Cl. 36, Cl. 39. ARGOS LIMITED                            |
| <b>246932</b> | Cl. 30. SOCIÉTÉ DES PRODUITS NESTLÉ S.A.                 |

**Trade Marks Removed from the Register under Section 48 and Rule 39(2) of the 1996 Act and Rules.**

|               |                                                                 |
|---------------|-----------------------------------------------------------------|
| <b>56772</b>  | Cl. 5. BAXTER INTERNATIONAL INC.                                |
| <b>86495</b>  | Cl. 21. Koninklijke Douwe Egberts B.V.                          |
| <b>86496</b>  | Cl. 29. Koninklijke Douwe Egberts B.V.                          |
| <b>86498</b>  | Cl. 32. Koninklijke Douwe Egberts B.V.                          |
| <b>116995</b> | Cl. 5. PAUL HARTMANN AKTIENGESELLSCHAFT                         |
| <b>130917</b> | Cl. 30. Wrigley Ireland Limited                                 |
| <b>130918</b> | Cl. 1. Sumitomo Chemical Co., Ltd.                              |
| <b>131081</b> | Cl. 20. BÜROSITZMOBELFABRIK FRIEDRICH-W. DAUPHIN GMBH & CO      |
| <b>131325</b> | Cl. 5. WYETH HOLDINGS CORPORATION                               |
| <b>216756</b> | Cl. 9, 38. Eircom Limited                                       |
| <b>216757</b> | Cl. 19. Saint-Gobain Construction Products UK Limited           |
| <b>217021</b> | Cl. 29, 30. Wrigley Ireland Limited                             |
| <b>217073</b> | Cl. 28. NEW-RAY TOYS COMPANY LIMITED                            |
| <b>217290</b> | Cl. 9. SHARP KABUSHIKI KAISHA TRADING ALSO AS SHARP CORPORATION |
| <b>217594</b> | Cl. 23. J. & P. COATS LIMITED                                   |
| <b>217678</b> | Cl. 5. CONVATEC INC.                                            |
| <b>217874</b> | Cl. 3, 4. THE BOOTS COMPANY PLC                                 |
| <b>217955</b> | Cl. 33. GMDf                                                    |
| <b>218286</b> | Cl. 9, 21. Wacker Chemie AG                                     |
| <b>224739</b> | Cl. 6, 9, 11, 19, 20, 41, 42. Rittal GmbH & Co. KG              |
| <b>229728</b> | Cl. 9, 16, 35, 38. BT COMMUNICATIONS IRELAND LIMITED            |
| <b>243173</b> | Cl. 10. VASCO CARE MEDICAL LIMITED                              |
| <b>243180</b> | Cl. 10 MARK FLEMING                                             |
| <b>243182</b> | Cl. 10 MARK FLEMING                                             |
| <b>243183</b> | Cl. 9, 16, 38. Eircom Limited                                   |
| <b>243192</b> | Cl. 10 MARK FLEMING                                             |
| <b>243193</b> | Cl. 10 MARK FLEMING                                             |

|               |                                              |
|---------------|----------------------------------------------|
| <b>243224</b> | Cl. 10 MARK FLEMING                          |
| <b>243227</b> | Cl. 10 MARK FLEMING                          |
| <b>243231</b> | Cl. 10 MARK FLEMING                          |
| <b>243233</b> | Cl. 10 MARK FLEMING                          |
| <b>243234</b> | Cl. 10 MARK FLEMING                          |
| <b>243244</b> | Cl. 10 MARK FLEMING                          |
| <b>243247</b> | Cl. 10 MARK FLEMING                          |
| <b>243434</b> | Cl. 10 MARK FLEMING                          |
| <b>243460</b> | Cl. 2. AKZO NOBEL COATINGS INTERNATIONAL B.V |

**Application to Alter Trade Mark(s) Registered under the 1996 Act**

**255278** Classes 25 & 41. David McGilton  
The mark in the proposed altered form, is as shown hereunder:



Any person desiring to oppose the application must give Notice of opposition to the Controller in accordance with rule 35(2) of the 1996 Rules within three months of the date of this Journal issue.

## International Registrations under the Madrid Protocol seeking protection in the State.

Any person desiring to oppose the conferring of protection in the State to the undermentioned marks may, within three months from the date of this Journal give notice to the Controller, in accordance with the provisions of Rule 18.

It should be noted that under the provisions of Rule 63(2) no extension of the opposition period is allowed for lodging opposition under Rule 18.

It is desirable before lodging formal opposition that a communication should be addressed to the holder affording him an opportunity to withdraw his application for protection of the International Registration in the State. In this way cost of opposition proceedings may be avoided.



**1260963** 04/06/2020

Class 13. Firearms, air pistols (weapons), spring-loaded firearms, adapted cases and shoulder straps therefor; heavy weapons, mortars and rockets.

ATA SILAH SANAYI ANONIM SİRKETİ,  
Alemdag Mahallesi Elmali Sokak No:5/A,  
Çekmeköy, Istanbul, Turkey

Colour Claimed: The color(s) red is/are claimed as a feature of the mark.

Representative: SET GRUP DANISMANLIK  
VE TEKSTİL SANAYİ  
TİCARET LIMITED SİRKETİ,  
Madenler Mahallesi Şehit Ünal,  
Kalafat Caddesi Agaoglu Eltes,  
Gold Residence 32/54,  
Ümraniye, Istanbul, Turkey



**1437173** 04/06/2020

Class 29. Anchovy, not live; laver, preserved; sea-cucumbers, not live; caviar; fish roe, prepared; isinglass for food; clams, not live; klipfish [salted and dried cod]; fish, tinned; shrimps, not live; prawns, not live; spiny lobsters, not live; mussels, not live; fish meal for human consumption; fish mousses; lobsters, not live; fish liver, preserved; fish-based foodstuffs; crayfish, not live; crustaceans, not live; fish, preserved; fish, not live; salted fish; sardines, not live; herrings, not live; tuna, not live; oysters, not live; fish fillets; seaweed extracts for food; yakitori.

AKTSIONERNOYE OBSHESTVO  
"YUZHMOREBYFLOT", ul. Zavodskaya, 16, p.  
Yuzhno-Morskoy, g. Nakhodka, RU-692954  
Primorsky kray, Russian Federation

Colour Claimed: Navy-blue, red, white.

Notings: Translation of the mark: THE  
ABC OF THE SEA

Representative: INTELLECTUAL PROPERTY  
LAW FIRM "ARS-PATENT",  
P.O. Box 301, RU-101000  
Moscow, Russian Federation



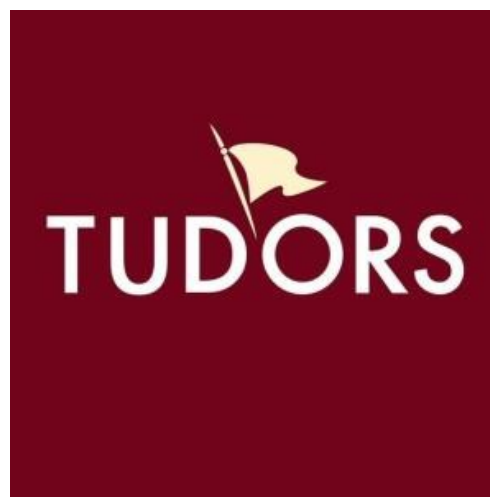
1472724 25/06/2020

Class 33. Whisky.

EXTAGE Co., LTD, 12-5 Oroshimachi Kamata,  
Fukushima-shi, Fukushima 960-0102, Japan

Notings: Transliteration of the mark:  
shin. Translation of the mark or  
of words contained in the mark:  
Penetrate, soak in.

Representative: ISONO International Patent  
Office, P.C., 11F Hulin  
Toranomon Bldg., 1-1-18,  
Toranomon, Minato-ku, Tokyo  
105-0001, Japan



1497956 16/07/2019

Class 18. Unworked or semi-worked  
leather and animal skins,  
imitations of leather, stout  
leather, leather used for  
linings; goods made of  
leather, imitations of leather  
or other materials, designed  
for carrying items, included in  
this class; bags, wallets, boxes  
and trunks made of leather or  
stout leather; keycases, trunks  
[luggage], suitcases;  
umbrellas; parasols; sun  
umbrellas; walking sticks;  
whips; harness; saddlery;  
stirrups; straps of leather  
(saddlery).

Class 25. Clothing, including underwear  
and outer clothing, other than  
special purpose protective  
clothing; socks, mufflers  
[clothing], shawls, bandanas,  
scarves, belts [clothing];  
footwear, shoes, slippers,  
sandals; headgear, hats, caps  
with visors, berets, caps  
[headwear], skull caps.

Class 35. Advertising, marketing and  
public relations; organization  
of exhibitions and trade fairs  
for commercial or advertising  
purposes; design for  
advertising; provision of an  
online marketplace for buyers  
and sellers of goods and  
services; the bringing  
together, for the benefit of  
others, of a variety of goods,

namely, rosaries, unworked or semi-worked leather and animal skins, imitations of leather, stout leather, leather used for linings, goods made of leather, imitations of leather or other materials, designed for carrying items, bags, wallets, boxes and trunks made of leather or stout leather, keycases, trunks [luggage], suitcases, umbrellas, parasols, sun umbrellas, walking sticks, whips, harness, saddlery, stirrups, straps of leather (saddlery), clothing, including underwear and outerclothing, other than special purpose protective clothing, socks, mufflers [clothing], shawls, bandanas, scarves, belts [clothing], footwear, shoes, slippers, sandals, headgear, hats, caps with visors, berets, caps [headwear], skull caps, enabling customers to conveniently view and purchase those goods, such services may be provided by retail stores, wholesale outlets, by means of electronic media or through mail order catalogues.

AYAYDIN TEKSTIL INSAAT TURIZM TICARET SANAYI LIMITED SİRKETİ, Yenibosna Merkez Mahallesi, Cemal Ulusoy Caddesi No: 13, Bahçelievler, Istanbul, Turkey

Colour Claimed: White TUDORS word and a flag in yellow color on a red background.

Representative: GÖKÇEN FIKRI SINAI HAKLAR DANISMANLIK LIMITED SİRKETİ, Muratpasa Mahallesi Uluyol, Caddesi Istanbul Tower Plaza K-14 A-67, Bayrampasa, Istanbul, Turkey



1498415 13/05/2019

- Class 36. Rental of real estate, apartments, offices; rental of offices for co-working.
- Class 39. Travel arrangement services and transport of travelers; arranging of travel reservations; arranging and booking of excursions, sightseeing tours and travel; services of a tourist and travel agency (included in this class), especially consulting and reservation of travel, provision of travel information, reservation services [transportation], escorting of travelers and travel services and transportation of travelers; on-line information, arranging and booking of travel tours for business or leisure purposes; provision of aforementioned services also via electronic networks such as the internet.
- Class 43. Temporary accommodation and catering services for guests in hotels; restaurant services; catering; rental and provision of conference, exhibition and meeting facilities; providing online information regarding reservation of hotels and restaurants; hotel accommodation services.

Priority Date Claimed: 18 January 2019 Germany

Novum Hospitality GmbH, An der Alster 63, 20099 Hamburg, Germany

Colour Claimed: Black, white and grey.

Representative: Andrea Ringle BRL Boege  
Rohde Luebbehuesen mbB,  
Jungfernstieg 30, 20354  
Hamburg, Germany

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**George**

**1501781** 22/10/2019

Class 32. Beers.

Class 33. Alcoholic beverages (except beers).

Priority Date Claimed: 31 May 2019 Germany

Rotkäppchen-Mumm Sektkellereien GmbH,  
Sektellereistraße 5, 06632 Freyburg, Germany

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桜咲

**1506389** 25/06/2020

Class 33. Distilled spirits.

EXTAGE Co., LTD, 12-5 Oroshimachi Kamata,  
Fukushima-shi, Fukushima 960-0102, Japan

Notings: Transliteration of the mark:  
ohsho

Representative: ISONO International Patent  
Office, P.C., 11F Hulic  
Toranomom Bldg. 1-1-18,  
Toranomom, Minato-ku, Tokyo  
105-0001, Japan

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天鏡

**1506390** 25/06/2020

Class 33. Distilled spirits.

EXTAGE Co., LTD, 12-5 Oroshimachi Kamata,  
Fukushima-shi, Fukushima 960-0102, Japan

Notings: Transliteration of the mark:  
tenkyou

Representative: ISONO International Patent  
Office, P.C., 11F Hulic  
Toranomom Bldg. 1-1-18,  
Toranomom, Minato-ku, Tokyo  
105-0001, Japan

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天奏

**1506391** 25/06/2020

Class 33. Distilled spirits.

EXTAGE Co., LTD, 12-5 Oroshimachi Kamata,  
Fukushima-shi, Fukushima 960-0102, Japan

Notings: Transliteration of the mark:  
tensou

Representative: ISONO International Patent  
Office, P.C., 11F Hulic  
Toranomom Bldg. 1-1-18,  
Toranomom, Minato-ku, Tokyo  
105-0001, Japan

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異空

1506392 25/06/2020

Class 33. Distilled spirits.

EXTAGE Co., LTD, 12-5 Oroshimachi Kamata,  
Fukushima-shi, Fukushima 960-0102, Japan

Notings: Transliteration of the mark: ikuu

Representative: ISONO International Patent  
Office, P.C., 11F Hulic  
Toranomom Bldg. 1-1-18,  
Toranomom, Minato-ku, Tokyo  
105-0001, Japan

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龍駕

1506393 25/06/2020

Class 33. Distilled spirits.

EXTAGE Co., LTD, 12-5 Oroshimachi Kamata,  
Fukushima-shi, Fukushima 960-0102, Japan

Notings: Transliteration of the mark:  
Ryouga, ryuga

Representative: ISONO International Patent  
Office, P.C., 11F Hulic  
Toranomom Bldg. 1-1-18,  
Toranomom, Minato-ku, Tokyo  
105-0001, Japan

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龍音

1506394 25/06/2020

Class 33. Distilled spirits.

EXTAGE Co., LTD, 12-5 Oroshimachi Kamata,  
Fukushima-shi, Fukushima 960-0102, Japan

Notings: Transliteration of the mark:  
ryuin, ryuon

Representative: ISONO International Patent  
Office, P.C., 11F Hulic  
Toranomom Bldg. 1-1-18,  
Toranomom, Minato-ku, Tokyo  
105-0001, Japan

## BAUSCH HEALTH COMPANIES

1507648 21/05/2019

Class 3. Cosmetics; non-medicated skin care preparations, namely, cleansers; exfoliants; moisturizers; sunblocks; cosmetic creams for skin care; skin lotion; cosmetic creams and lotions, skin lightening preparations, anti-aging preparations, namely, anti-aging cream, anti-wrinkle creams and anti-aging lotion, body powder, hair shampoo, dandruff hair shampoo, body wash, nail care preparations, nail varnishes and polishes, cuticle conditioners, impregnated cleaning, dusting or polishing cloths.

Class 5. Pharmaceutical products; pharmaceutical preparations and substances; antifungal preparations; topical anti-itch preparations; contact lens solutions; contact lens disinfectants; contact lens wetting solutions; ophthalmic solutions and preparations for the eye; disinfecting and saline solution for contact lenses; solutions for use with contact lenses; rewetting drops for use with contact lenses; eye drops; ophthalmic preparations, namely impregnated strips for applying preparations to the eye; pharmaceutical preparation for injection into the eye; eye drops, solutions, gels and ointments used for the treatment of eye conditions such as dry eyes, allergies, inflammation and redness; pharmaceutical preparations and substances for the treatment of ophthalmological and ocular diseases and disorders;

pharmaceutical preparations for use with and/or in the care of contact lenses and kits containing said preparations, pharmaceutical preparations for ocular or intraocular surgery; ophthalmic pharmaceutical preparations and substances; viscoelastic eye lubricant, pharmaceutical preparations and substances for the treatment of eye diseases, disorders and conditions, ophthalmic pharmaceuticals, namely, solutions and ointments for the treatment of dry eye symptoms, hypertonic ophthalmic solution for medical purposes; ophthalmic pharmaceutical preparation, namely used in ophthalmic surgical procedures; pharmaceuticals, namely, ophthalmic solutions for the treatment of glaucoma and ocular hypertension; pharmaceutical preparations and substances for use in dermatology and skin disorders, skin conditions, acne, fungal infections and skin care, acne medications and acne treatment preparations; pharmaceutical preparations and substances for the prevention and treatment of skin care disorders, conditions, injuries, illnesses and ailments; pharmaceutical preparations and substances for the prevention and treatment of dermatological disorders and diseases and dermatitis; dermatological and skin care pharmaceutical preparations and substances, pharmaceutical preparations and substances for the treatment of ophthalmological, ocular and eye diseases and disorders; soporifics; vitamin and mineral supplements; antibiotics; medicated skin

creams; medicated skin care preparations; food supplements, vitamin and mineral supplements and herbal supplements in tablet, capsule, liquid or powder form; pharmaceutical preparations for the treatment, prevention and/or alleviation of disorders of the gastrointestinal tract; pharmaceutical preparations for the treatment of chorea; pharmaceutical preparations for the treatment of hyperkinetic movement disorders; pharmaceutical preparations for the treatment of neurological disorders and movement disorders; pharmaceutical preparations, namely, pharmaceutical preparations and substances for the treatment of skin disorders, diseases, conditions and ailments; pharmaceutical preparations and substances for the treatment of eye disorders, diseases, conditions and ailments; pharmaceutical preparations and products for ophthalmological use; pharmaceutical preparations and substances for the prevention, treatment and alleviation of pain; anti-depressants; pharmaceutical preparations and substances for the prevention, treatment and alleviation of anxiety, depression, depressive disorders and mental illness; pharmaceutical preparations and substances for the prevention, treatment and alleviation of disorders, diseases, conditions and ailments of the cardiovascular system; pharmaceutical preparations and substances for the treatment of viral, metabolic, endocrine, musculoskeletal, cardiovascular, cardiopulmonary, hepatological, ophthalmic,

respiratory, neurological, gastrointestinal, hormonal, dermatological, psychiatric and immune system related diseases and disorders; pharmaceutical preparations for treating allergic rhinitis and asthma; pharmaceutical preparations, namely, immunomodulators; pharmaceutical gel for the treatment of vaginal disorders; intravenous preparations for the treatment of hyperammonemia of all origins; nitroglycerin plasters for medical use; anticonvulsants; pharmaceutical preparations for treating inflammatory disorders such as psoriasis; pharmaceutical preparations and substances for the prevention, treatment and alleviation of stress; pharmaceutical preparations and substances for the prevention, treatment and alleviation of diabetes; pharmaceutical preparations and substances for controlling insulin levels; pharmaceutical preparations and substances for the prevention, treatment and alleviation of hypertension; pharmaceutical preparations and substances for the cessation of smoking; pharmaceutical preparations and substances for the prevention and treatment of sexually transmitted diseases; pharmaceutical preparations and substances for the prevention and treatment of herpes; pharmaceutical preparations and substances for the prevention, treatment and alleviation of sleep disorders; pharmaceutical preparations and substances for the prevention, treatment and alleviation of acute myocardial infarctions; pharmaceutical preparations and substances for the

prevention, treatment and alleviation of symptomatic congestive heart failure; pharmaceutical preparations and substances for the prevention, treatment and alleviation of asymptomatic left ventricular dysfunction; fibrinolytic or thrombolytic agents; pharmaceutical preparations and substances for the prevention, treatment and alleviation of pain and inflammation, namely, anti-inflammatories and pain relief medication; pharmaceutical preparations and substances for the prevention, treatment and alleviation of migraines; pharmaceutical preparations and substances for the treatment of fungal infections, onychomycosis, tinea infections, and similar diseases of the skin and nails; pharmaceutical preparations and substances for use in dermatological use; topical anti-itch preparations for use on humans for the treatment of skin disorders and skin rashes; medicated skin care preparations; medicated skin lotions; medicated body lotions; nutritionally fortified soft chews for use as nutritional supplements, probiotic compositions for use as nutritional supplements; multivitamin preparations; food supplements; nutritional supplements; vitamins; natural herbal supplements; mineral supplements; protein supplements; pharmaceutical preparations and substances for the treatment of epilepsy, seizures and neurological and psychological diseases and disorders; viscoelastic solutions for intraocular use; medicines and medicinal preparations for human purposes, namely, to support treatment of hemorrhoids, chronic venous insufficiency

and lymphedema; sanitary preparations for medical purposes; pharmaceutical preparations to support treatment of hemorrhoids, chronic venous insufficiency and lymphedema; homeopathic pharmaceuticals for use in support treatment of hemorrhoids, chronic venous insufficiency and lymphedema and vitamin preparations, all in the form of tablets or powder or soft gelatin capsules or hard gelatin capsules; homeopathic preparations, namely homeopathic supplements for weight loss purposes; preparations containing herbs for medical purposes; medicinal teas; dietetic food preparations adapted for medical purposes; food supplements for medical purposes, namely, food supplements for enhancing the immune system's resistance and improving bodily health; pharmaceutical preparations, namely, a topical cream for the treatment of pre-cancerous skin lesions; pharmaceutical preparations and substances for the prevention and treatment of disorders, diseases, conditions and ailments of the cardiovascular system; pharmaceutical preparations and substances for the prevention and treatment of hypertension; pharmaceutical preparations for the treatment of nausea, emesis; analgesics; medicated skin care preparations for use in treating scars and damaged skin; topical gel for medical and therapeutic use in the treatment of scars and damaged skin; antiviral agents; antiobesity agent; dermotherapeutic preparation; pharmaceutical products namely lipid and triglyceride

reducing agents; diuretics; anti-itch creams; pharmaceutical preparations for the treatment of oral mucositis and xerostomia; pharmaceutical preparations and substances for the treatment of eye disorders, diseases, conditions and ailments; pharmaceutical preparations and products for ophthalmological use; pharmaceutical preparations and substances for the prevention, treatment and alleviation of pain; anti-depressants; pharmaceutical preparations and substances for the prevention, treatment and alleviation of disorders, diseases, conditions and ailments of the cardiovascular system; pharmaceutical preparations and substances for the prevention, treatment and alleviation of parkinson's disease; pharmaceutical preparations and substances for the prevention, treatment and alleviation of huntington's disease; pharmaceutical preparations and substances for the prevention, treatment and alleviation of amyotrophic lateral sclerosis; pharmaceutical preparations and substances for the prevention, treatment and alleviation of alzheimer's disease; pharmaceutical preparations and substances for the prevention, treatment and alleviation of tourette syndrome; pharmaceutical preparations and substances for the prevention, treatment and alleviation of epilepsy; pharmaceutical preparations and substances for the prevention, treatment and alleviation of multiple sclerosis; pharmaceutical preparations and substances for the prevention, treatment and alleviation of cardiopulmonary disorders,

diseases, conditions, and ailments; pharmaceutical preparations and substances for the prevention, treatment and alleviation of disorders, diseases, conditions, and ailments of the circulatory system; pharmaceutical preparations and substances for the prevention, treatment and alleviation of hypertension, high blood pressure, heart failure and ventricular dysfunction; pharmaceutical preparations and substances for the prevention, treatment and alleviation of viral and infectious diseases; pharmaceutical preparations and substances for the prevention, treatment and alleviation of central nervous system disorders, diseases, conditions and ailments, namely, central nervous system movement disorders, ocular motility disorders, spinal cord diseases, encephalitis, cerebral palsy, insomnia, mood disorders, bipolar disorder, seizure disorders; pharmaceutical preparations and substances for the prevention, treatment and alleviation of disorders, diseases, conditions and ailments of the respiratory system; pharmaceutical preparations and substances for the prevention, treatment and alleviation of disorders, diseases, conditions and ailments of the endocrine system; pharmaceutical preparations for the treatment of immunologic diseases, namely, auto immune motility diseases, immunologic deficiency syndromes, auto immune diseases, acquired immune deficiency syndrome (aids), hypersensitivity, allergies, tumors of the immunological organs; pharmaceutical preparations

and substances for the prevention, treatment and alleviation of disorders, diseases, conditions and ailments of the musculoskeletal system, namely, bone diseases and bone degenerative conditions; pharmaceutical preparations and substances for the prevention, treatment and alleviation of migraines; pharmaceutical preparations and substances for use in oncology; pharmaceutical preparations and substances for the treatment of polycystic ovary syndrome; pharmaceutical preparations and substances for the treatment of infertility; veterinary products, namely, veterinary preparations for dogs, cats and horses for use during ophthalmic surgery and recovery therefrom; eye drops for veterinary use; pharmaceutical preparations for the treatment of cancer, neurological and dermatological disorders; pharmaceutical preparations for the treatment of myasthenia gravis, depression, mood/anxiety conditions, solar keratoses and cancer; anti-depressants; tranquilizers; nasal spray preparations; pharmaceutical preparations for the treatment of neuromuscular conditions; pharmaceutical preparations for the treatment of skin related diseases, cancer and precancerous conditions, and disorders related to the modulation of apoptosis; vitamin supplement distributed by prescription only; pharmaceutical preparations, namely, an oral glucose gel for the treatment of low blood sugar; pharmaceutical preparation for the treatment of headaches; skin lotion for the

relief of itch caused by insect bites, eczema, sunburn and poison ivy; dressings for wounds; preparations and substances for the relief of anorectal discomfort, inflammation, and irritation; hemorrhoidal suppositories; pharmaceutical preparations for the treatment of irritable bowel syndrome; drugs to treat opioid-induced constipation; psychotropic preparations; cough treatment medicine; eye wash; eyedrops containing antihistamines and decongestants; pharmaceutical preparations, namely, an ophthalmic preparation for use in eye examinations; pharmaceuticals preparation that operates physiologically to control skin pigmentation; pharmaceutical preparations for wounds; pharmaceutical steroid preparations for topical use; pharmaceutical preparations, namely, antiemetics; preparations for use in cleaning contact lenses and kits containing said preparations; impregnated cellulose fiber strips for use in ophthalmic diagnosis.

Class 9.

Contact lenses, software for use in ophthalmic medical and surgical procedures, namely, for swept source optical coherence tomography; magnifying glasses [optics]; software used in ophthalmological and optometric instruments, namely, corneal topographer, aberrometer and lasers, all sold as a unit and used for the diagnosis of eye conditions and vision correction; cases and containers for contact lenses; eyeglass chains; eyeglass cords; contact lens cases; plastic blanks for contact lenses; computer network consisting of a network server and network operating software allowing

|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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|           | for the calculation, transfer and storage of data between components of ophthalmic, eye and vision correction systems and the customer support service provider; software, namely the algorithm feature for measuring and tuning the amount of radio frequency energy delivered to a patient treatment area sold as an integral component of equipment for cosmetic skin procedures.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Class 10. | Cosmetic apparatus, namely, light based devices providing mainly pulsed light for performing non-ablative aesthetic skin treatment procedures; surgical, medical, and veterinary apparatus and instruments, namely, medical device intended to be used as intraocular lens in order to replace the natural crystalline lens of the eye during cataract surgery; artificial limbs, and teeth; surgical instruments, namely, endoscopes; disposable surgical instruments, other than for the dental sector; veterinary implants consisting primarily of artificial materials; artificial corneal lenses for veterinary use; veterinary lens extractors; veterinary instruments, namely, slit lamps, ophthalmoscopes, tonometers, veterinary ultrasound apparatus, micro-surgical instruments, tension ring injectors, and surgical sewing material, namely, needles and sutures; surgical instruments, namely, an ultrasonic surgical system consisting of an ultrasonic surgical instrument to separate, fragment, and coagulate tissue, surgical irrigators and aspirators for medical use and related equipment, namely, a precision fluid delivery | system comprised of a pump, controller and surgical tubing, fluid canisters, ultrasonic medical handpieces, probes and cannulas sold as a unit; medical devices, namely, finger-attached ultrasonic probes for diagnostic medical imaging; kit containing one or more surgical instruments, namely, cannulae or ultrasonic probes, and a sterilization tray that holds the instruments; respiratory apparatus for medical use; drug delivery device; intraocular lenses; phacoemulsification apparatus and instruments for use in ophthalmic surgical procedures; ophthalmic medical and surgical apparatus, equipment and instruments, namely, intraocular lenses, haptics for mounting intraocular lenses, and parts, components and fittings for the aforementioned goods; ophthalmic medical and surgical apparatus, equipment and instruments, namely, intraocular lenses, folding intraocular lenses, and parts, components and fittings for the aforementioned goods; lasers for medical use; lasers for ophthalmic medical and surgical procedures; ophthalmic surgical device used to inject intraocular lenses, and intraocular lenses; single-use ocular syringe preloaded with a capsular tension ring for use in cataract surgery; surgical instrument, namely, a vitreous cutter; ophthalmic surgical instruments and devices used in performing ophthalmic surgical procedures, and component parts thereof; ophthalmic medical devices, namely, intraocular lenses; medical device, namely, intraocular implant; surgical blades for use in ophthalmic surgery; lasers for the medical |

and cosmetic treatment of the face and skin; medical devices for non-surgical cosmetic skin treatments; medical devices for contracting skin, body sculpting, and soft tissue reconstruction in a non-invasive manner; medical devices, namely, medical instruments for the non-invasive removal of human body fat utilizing an external energy source; surgical fat-collection canister kit consisting of a canister and a canister base assembly, a canister lid assembly, one or more ports, and one or more syringe caps; surgical instruments for fragmentation, cutting, coagulation, aspiration and irrigation; medical aesthetic devices that administer a combination of pneumatic energy and broadband light or pneumatic energy or broadband light alone for skin treatment and hair removal; medical devices, namely, lasers, radio frequency, ultrasound and thermal devices for use in connection with non-surgical cosmetic skin treatment systems; medical devices, namely, phototherapeutic apparatus for medical purposes, namely, devices for use in the treatment of dermatological conditions including acne microsurgical instruments used in ophthalmic procedures to remove cataracts; medical and surgical instruments and apparatus, namely, a vacuum and fluid control system consisting of pumps, tubing, sensors, valves, needles, sleeves, fluid collection containers, and recipient connections; secure tubing connection device used with and in ophthalmic, ocular, cataract and eye-related surgical procedures; surgical

instruments, namely, surgical needles for ophthalmic surgery; surgical, medical apparatus and instruments used in performing ophthalmic, ocular and eye-related surgery, namely, knives and cutters; single-use injector and capsular tension ring; keratome blades; ophthalmic and optometric instruments for making both measurements of surfaces of the eye & for performing diagnosis of the eye; intravitreal implants containing a pharmaceutical for the treatment of eye and vision conditions.

Class 35. Providing customer incentive award programs via a website through issuance and processing of loyalty points for purchase of a company's goods and services to promote medical and pharmaceutical compliance through gamification, behavioral economics and consumer marketing concepts to engage and motivate patients to follow instructions and directions for pharmaceutical preparations and substances, namely, pharmaceutical preparations and substances for the treatment of skin disorders, diseases, conditions and ailments; providing customer incentive award programs through issuance and processing of loyalty points for purchase of a company's goods and services to promote medical and pharmaceutical compliance through gamification, behavioral economics and consumer marketing concepts to engage and motivate patients to follow instructions and directions for pharmaceutical preparations and substances, namely, pharmaceutical preparations and substances for the

treatment of skin disorders, diseases, conditions and ailments; advertising services to promote public awareness of issues relating to good vision and eye health, protecting the eyes and sight, and the benefits of ocular vitamin and mineral supplements; inventory management services in the eye health care field; inventory management services in the field of contact lenses; promoting skin treatment services by means of incentive reward programs; administration of a consumer loyalty program to promote skin treatment services; customer loyalty services and customer membership club services, for commercial, promotional and/or advertising purposes; processing prescription orders for pharmaceutical preparations; distribution of promotional material and publications relating to treating chronic immune disorders, joint inflammation disorders and chronic inflammatory disorders; administration of a program where prescriptions and information submitted by health care professionals enable patients to acquire pharmaceuticals covered by medical and dental benefits [sales promotion].

Bausch & Lomb Incorporated, 1400 North Goodman Street, Rochester, New York 14609, United States of America

Representative: Baker & McKenzie - CIS, Limited, White Gardens, 9 Lesnaya Street, 10th Floor, RU-125196 Moscow, Russian Federation

## VISU360

**1524622** 22/02/2020

- Class 9. Software for remote eye examination and refraction that connects eye doctors or optometrists with ophthalmic devices, enables them to control the devices and video chat with patients.
- Class 42. Providing temporary use of web-based software for remote eye examination and refraction that connects eye doctors or optometrists with ophthalmic devices, enables them to control the devices and video chat with patients.

Priority Date Claimed: 22 January 2020 Germany

Carl Zeiss Vision GmbH, Turnstraße 27, 73430 Aalen, Germany

Address for service: Cruickshank, 8A Sandyford Business Centre, Sandyford, Dublin 18, Ireland

## Apaliqua

**1525862** 20/09/2019

- Class 1. Fertilizers.
- Class 35. Retail store and wholesale store services connected with the sale of fertilizers; retail online store and wholesale online store services connected with the sale of fertilizers.

Joint-Stock Company "Apatit", Severnoye Shosse, 75, Cherepovets, RU-162622 Vologda Oblast, Russian Federation

Representative: Kurdyumova Alexandra  
Vladimirovna, LLC Versus  
Legal, pl. Truda, 2 / Lit A, BC  
Blagoveshchensky, RU-190000  
St. Petersburg, Russian  
Federation

Representative: Charles B. Brown CorpLaw  
Associates, LLC, 400 Central  
Avenue, Suite 150, Northfield  
IL 60093, United States of  
America

Address for  
service: Barker Brettell LLP, 100  
Hagley Road, Edgbaston,  
Birmingham B16 8QQ, United  
Kingdom

## FREE JACKS

**1526033** 02/03/2020

- Class 25. Hats; Shirts; Athletic shirts;  
Baseball caps; Button down  
shirts; Rugby shirts;  
Sweatshirts; T-shirts;  
Hoodies; Athletic apparel,  
namely, shirts, hats, caps, and  
athletic uniforms; Woolly  
hats; Scarves; Long sleeve T-  
Shirts.
- Class 35. On-line retail store services  
namely for clothing, rugby  
products, and rugby balls and  
Pop-up retail store services  
namely for clothing, rugby  
products, and rugby balls.
- Class 41. Entertainment in the nature of  
rugby games; Organizing,  
arranging, and conducting  
rugby events; Providing a  
website containing  
information relating to the  
sport of rugby, including team  
information, player statistics  
and news; Conducting of  
sports competitions;  
Organizing, conducting and  
operating rugby tournaments;  
Organization of sports  
competitions.

Priority Date Claimed: 11 September 2019 United  
States of America

ThunderCo LLC, 2nd Floor 44 South Main Street,  
Hanover NH 03755, United States of America

## BUCHERER 1888

**1527025** 25/02/2020

- Class 14. Clocks, jewels.
- Class 35. Retail sale (in shops and via  
online stores) of timepieces of  
all kinds and their spare parts,  
with jewellery, precious  
stones, ornaments of all kinds,  
chronometric instruments,  
jewellers' goods, precious  
metals and their alloys and  
goods made of these materials  
or coated therewith, namely  
rings, necklaces, bracelets,  
earrings, with diamonds and  
diamond jewellery.
- Class 42. Design services.

Priority Date Claimed: 30 August 2019 Switzerland

Bucherer AG, Langensandstrasse 27, CH-6005  
Luzern, Switzerland

Representative: Wild Schnyder AG,  
Forchstrasse 30, Postfach, CH-  
8032 Zürich, Switzerland

Address for  
service: FRKelly, 27 Clyde Road,  
Ballsbridge, Dublin 4, Ireland

# KENFO

1538468 02/03/2020

Class 35. Advertising, marketing and promotional services, management and administrative services, clerical services, business administration; risk management consultancy (business); arranging of contracts for others for the buying and selling of goods and for the providing of services; development of marketing strategies and concepts; evaluation of business opportunities; business consultancy services relating to sustainability, business strategy development services and strategic business planning; business organization and management consultancy; market analysis and research; providing consumer information, to promote public awareness, relating to goods and services; public relations services; updating, maintaining, organizing, collecting, systemizing and compilation of business into computer databases; researches and consultancy regarding trade-related matters; business and organizational business consultancy; drawing up of business statistical information; procurement of contracts (for others).

Class 36. Financial services, real estate affairs, real estate settlement services, financial and monetary services and banking, financial services regarding fund investment, fund management, finance service, wealth management, arranging investments, arranging the provision of

finance; investment trusteeship services; investment consultancy, investment service, mutual funds; administration of funds and investments; investment consultancy; property investment service; investment of funds for others; provident fund investment, development of investment portfolios; services for the finding of venture capital; risk management consultancy (financial); financial management of risk capital, investment capital and development capital; venture capital and project capital investment services; stock trading; share planning services; financial services relating to stocks; stocks and shares information services; project finance; capital management, financial investment advisory service; monetary transfer; valuation services; financial appraisals for business purposes.

Priority Date Claimed: 18 September 2019 Germany

KENFO - Fonds zur Finanzierung der kerntechnischen Entsorgung Stiftung des öffentlichen Rechts, Kurfürstenstraße 87, 10787 Berlin, Germany

Representative: Clifford Chance Deutschland LLP, Königsallee 59, 40215 Düsseldorf, Germany

## PLANTERRA FOODS

1538511 28/05/2020

Class 35. Retail and wholesale store services featuring plant-based protein food products; Online retail and wholesale store

services featuring plant-based protein food products; Wholesale food distributorship services.

Priority Date Claimed: 30 January 2020 United States of America

Planterra Foods Company, 1770 Promontory Circle, Greeley CO 80524, United States of America

Representative: Brent Johnson Berg Hill  
Greenleaf Ruscitti LLP, 1712  
Pearl Street, Boulder CO 80302,  
United States of America

## MMX

**1540432** 08/06/2020

Class 45. Domain name registration services.

Minds + Machines Group Limited, Craigmuir Chambers, Road Town, Tortola VG1110, Virgin Islands (British)

Representative: Sheri Falcon, 2505 2nd Ave,  
Suite 520, Seattle WA 98121,  
United States of America

## ActOne Group

**1540450** 11/06/2020

Class 35. Business records management; Business services, namely, registering, screening and verifying the credentials of third-party vendors, suppliers and contractors on behalf of

others; Business services, namely, timekeeping services for others; Employment agency services, namely, filling the temporary and permanent staffing needs of businesses; Employment hiring, recruiting, placement, staffing and career networking services; Outsource service provider in the field of business management of Human Resources departments; Outsourcing services in the nature of arranging procurement of goods for others; Outsourcing services in the nature of arranging service contracts for others; Payroll administration and management services; Serving as a human resources department for others; Business consulting, management, and planning services in the field of Human Resources.

Class 42. Application service provider (ASP) featuring software for use in applicant screening, applicant tracking, applicant orientation and on-boarding, timekeeping and expense management, and vendor and supplier data management, all in the field of staffing; Consulting in the field of IT project management.

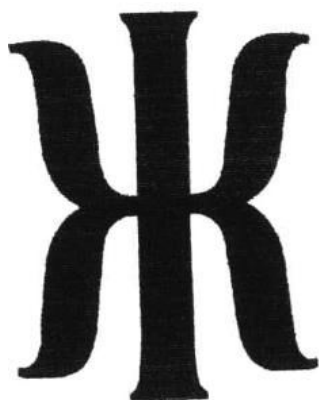
Class 44. Drug use screening services.

Class 45. Employment background screening, namely, background screening of current employees of others; Pre-employment background screening.

THE ACT 1 GROUP, INC., 1999 West 190th Street, Torrance, CA 90504-6200, United States of America

Representative: Catherine Endo Chuck  
McBirney & Chuck, 800  
Wilshire Blvd., Suite 630, Los  
Angeles CA 90017, United  
States of America

Registration of this Trade Mark gives no right to the exclusive use of "GROUP"



**1540779** 14/04/2020

Class 43. Restaurant services; café services; motel services; hotel services; snack-bar services; hotel reservations; food and drink catering; rental of meeting rooms.

Shishihonorary Industry Development Co., Ltd., 10th Floor, No.858, Baqi Road, Hubin, Street, Shishi City, Quanzhou City, 361003 Fujian Province, China

Representative: FUJIAN CHANNEL  
INTELLECTUAL PROPERTY  
OFFICE CO., LTD, 2517, 25F,  
xinhuaxing building, #155  
Hualin Road, Gulou District,  
Fuzhou, 350000 Fujian, China

**ARTE EXTRA**

**1540807** 19/03/2020

Class 9. Scientific, measuring, signaling, checking (supervision) apparatus and

instruments; computers, tablets and equipment for data processing; sound, image and data media of all kinds; magnetic recording media, sound recording disks, CDs (sound, image), DVDs (sound, image), audio tapes, audio and video cassettes, CD-ROMs, digital audio tapes; mechanical, magnetic, magneto-optical, optical and electronic recorded data media for sound and/or images and/or data; memory cards; game software; application software; screensavers (software); mouse pads; data-bank programs (software); software; network assistance software (network hardware); electronic publications (downloadable electronically); spectacles, sunglasses and cases therefor; mobile telephones; photographic cameras, video cameras.

Class 38. Telecommunications; broadcasting, distribution and transmission of television signals, radio, telecommunication and information via digital and analog wireless and/or cable, including via on-line and off-line operations in the form of interactive electronic media services, and via computers; telecommunications; television program broadcasting, transmission (or dissemination) of television broadcasts by cable, radio broadcasts, broadcasting, videotext and the Internet as well as teleshopping broadcasts; provision of access to databases; rental of access time to global computer networks; transmission of sound, images and data via cable, satellite, computer networks, telephone lines and via ISDN and other transmission media; provision

of access to Internet applications; provision of access to blogs; electronic exchange of messages via chat lines and chat rooms and forums on the Internet; provision of access to Internet chat rooms; provision of access to online games via global computer networks (the Internet); electronic transmission of data, images, sound, texts and sound, also for interactive radio services; telecommunication via interactive chat systems; rental of access time to data banks; provision of access to databases; telecommunication services for obtaining information from data banks; broadcasting of television programs through video-on-demand and pay-per-view services; news and information agencies.

Class 41. Education; training; entertainment; sporting and cultural activities; radio entertainment on the Internet and televised programs; film, audio, video and television production; organization of shows, question and answer games and musical performances; orchestra services; provision and publication of electronic publications; publication and editing of printed matter; organizing concerts, theatrical performances and entertainment events, conferences, meetings, seminars, courses, symposiums, exhibitions for cultural and educational purposes and organizing cultural, entertainment and training; cultural, entertaining and formative instruction (readings); organization of competitions and award ceremonies; organization of lotteries; editorial assistance for internet platforms.

Priority Date Claimed: 19 September 2019 France

ASSOCIATION RELATIVE A LA TELEVISION EUROPEENNE, 4 quai du Chanoine Winterer, F-67000 STRASBOURG, France

Representative: Ernest Gutmann Yves  
Plasseraud SAS, Monsieur  
Benjamin Fontaine, 66 rue de la  
Chaussée d'Antin, F-75009  
PARIS, France



1540972 19/02/2020

Class 3. Bleaching preparations and other substances for laundry use; cleaning, polishing, scouring and abrasive preparations; soaps; perfumes; perfumery; body mist; body wash; body spray; body lotions; bubble bath; shower gel; lip gloss; lip balm; essential oils; make-up; cosmetics; products for the hair, body and skin; toiletries; hair lotions; hair colouring products; shampoos; hair conditioners; products for personal hygiene and beauty care; dentifrices; deodorants for personal use; antiperspirant deodorant; cologne; aftershave

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|          | preparations; aftershaves; air perfuming preparations; nail polish; nail varnish; nail care products; preparations for use in tanning and sun protection; shaving preparations; depilatory products; body lotions, gels, creams and mousses; hair gels, creams and mousses; body fragrances and fragrance preparations; skincare preparations; false nails; nail overlays/wraps; false eyelashes; leather cleaning and polishing preparations; reed diffusers; scented room sprays; gel eye masks.                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Class 4. | Industrial oils and greases, wax; lubricants; dust absorbing, wetting and binding compositions; fuels and illuminants; candles and wicks for lighting.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Class 9. | Optical apparatus and instruments; sunglasses; sports goggles; spectacles; ski goggles; cases, cords and chains for sunglasses, spectacles, ski goggles and sports goggles; containers for contact lenses; laptop bags; bags and cases for personal digital assistants, electronic organisers, tablet computers and e-book devices; computer hardware; mats for use with a computer mouse; computer game programs; computer software; apparatus for recording, transmission or reproduction of sound or images; photographic apparatus and instruments; telecommunications apparatus and instruments; telephones; mobile telephones; smart phones; MP3 and other digital format audio and video players; fascias, cases, covers, carry bags and holders for telephones, smart phones, mobile telephones, satellite navigational devices, MP3 and other digital format audio and video players, cameras | and video cameras; parts and accessories for telephones, smart phones, mobile telephones, satellite navigational devices, MP3 and other digital format audio and video players, cameras and video cameras; hands free kits for telephones; wireless headsets; headphones; loudspeakers; microphones; radios; chargers; apparatus for connecting and charging portable and handheld digital electronic devices; magnetic data carriers, recording discs; CDs, DVDs; memory cards; encoded cards, magnetic; life jackets; diving suits; diving equipment and apparatus; protective helmets for use in sports; helmets; swimming goggles; downloadable musical sound recordings; motion pictures and video recordings featuring music, adventure and/or animation; project screens; pocket calculators; parts and fittings for all the aforesaid goods; wearable activity trackers; pedometers; altimeters; personal digital assistants; personal electronic devices used to track fitness goals and statistics; portable digital electronic devices for recording, organizing, transmitting, manipulating, reviewing, and receiving text, data, audio, image, video and digital files; wearable electronic devices, namely, watches, bracelets, and wristbands that are comprised of software that communicates data to personal digital assistants, smartphones, and personal computers through Internet websites and other computer and electronic communication networks; wearable digital electronic devices comprised primarily of software for alerts, messages, emails, and |

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|           | reminders, and for recording, organizing, transmitting, manipulating, reviewing, and receiving text, data, audio, image, video and digital files and display screens; cables, namely charging cables; computer software for alerts, messages, emails, and reminders, and for recording, organizing, transmitting, manipulating, reviewing, and receiving text, data, audio, image, video and digital files; computer operating system programs for wearable electronic devices; computer game software; computer software and downloadable software in relation to customer incentive and loyalty-award programs in the fields of health, nutrition, athletics, sportswear and athletic footwear; music headphones; wireless headphones; protective helmets for sportswear. |  |           | cases (leather ware); umbrellas; parasols; leather and imitations of leather; leather and imitation leather bags; leather and imitation leather wallets; leather and imitation leather purses; leather and imitation leather laces; leather and imitation leather cords, twists and straps; leather and imitation leather cases; leather and imitation leather pouches; leather and imitation leather handbags; leather and imitation leather credit card wallets; leather and imitation leather belts; leather and imitation leather credit card cases; leather and imitation leather luggage tags; leather and imitation leather card holders; leather and imitation leather belts; leather and imitation leather garment bags; leather and imitation leather make up bags; leather and imitation leather travelling sets; suit bags; brief cases and attaché cases; beauty cases; vanity cases; golf umbrellas; diaper bags; nappy bags; baby carriers; backpacks for carrying babies. |
| Class 14. | Jewellery; imitation jewellery; precious stones; horological and chronometric instruments; watches; watch bands; watch straps; watch cases; clocks; parts and accessories for all the aforesaid goods.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | Class 20. | Furniture, mirrors, picture frames.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Class 16. | Paper and cardboard; printed matter; bookbinding material; photographs; stationery and office requisites, except furniture; adhesives for stationery or household purposes; drawing materials and materials for artists; paintbrushes; instructional and teaching materials; plastic sheets, films and bags for wrapping and packaging; printers' type, printing blocks; travel guides.                                                                                                                                                                                                                                                                                                                                                                                     |  | Class 24. | Textiles and substitutes for textiles; household linen; curtains of textile or plastic.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Class 18. | Bags; handbags; shoulder bags; toiletry bags; make-up bags; kit bags; rucksacks; sports bags; gym bags; beach bags; swing bags; hip bags; cross body bags; travel bags; luggage; wallets; purses; key                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  | Class 25. | Clothing; casual clothing; formal clothing; sportswear; leisurewear; activewear; hooded sweatshirts; sweatshirts; printed t-shirts; t-shirts; polo shirts; short sleeved and long sleeved shirts; shirts; blouses; shorts; baggy shorts; long sleeved T-shirts; rugby tops; printed and embroidered sweatshirts; cardigans; sweaters; zip tops; joggers; trousers; jeans; knitwear; jumpers; fleece pullovers; dresses; skirts; tops; lined and unlined jackets; jackets; coats; trench                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

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|           | <p>coats; leather and imitation leather clothing; leather jackets; flatiron jackets; wax jackets; military blazers; mackintoshes; gilets; hunting jackets; flax jackets; stormbreaker jackets; army jackets; bomber jackets; cagoules; suits; waistcoats; ties; leggings; socks; scarves; gloves; swimwear; wetsuits; belts; underwear; camisoles; bras; knickers; boxer shorts; underpants; slips [undergarments]; nightwear; pyjamas; bathrobes; dressing gowns; footwear; sandals; beach shoes; flip flops; canvas shoes; boots; shoes; leather shoes; trainers; running shoes; plimsoles; sports shoes; slippers; headgear; hats; caps; peaked caps; baseball caps; sports hats; sports caps; bandanas; beanies; berets; running tights; leggings; sports bras; gym clothing; yoga clothing; running shoes; bags for ski boots; ski gloves; belts made of leather or artificial leather.</p> | <p>binding compositions, fuels and illuminants, candles and wicks for lighting, scientific, research, navigation, surveying, photographic, cinematographic, audiovisual, optical, weighing, measuring, signalling, detecting, testing, inspecting, life-saving and teaching apparatus and instruments, apparatus and instruments for conducting, switching, transforming, accumulating, regulating or controlling the distribution or use of electricity, apparatus and instruments for recording, transmitting, reproducing or processing sound, images or data, recorded and downloadable media, computer software, blank digital or analogue recording and storage media, mechanisms for coin-operated apparatus, cash registers, calculating devices, computers and computer peripheral devices, diving suits, divers' masks, ear plugs for divers, nose clips for divers and swimmers, gloves for divers, breathing apparatus for underwater swimming, fire-extinguishing apparatus, apparatus and installations for lighting, heating, cooling, steam generating, cooking, drying, ventilating, water supply and sanitary purposes, precious metals and their alloys, jewellery, precious and semi-precious stones, horological and chronometric instruments, paper and cardboard, printed matter, bookbinding material, photographs, stationery and office requisites, except furniture, adhesives for stationery or household purposes, drawing materials and materials for artists, paintbrushes, instructional and teaching materials, plastic sheets, films and bags for</p> |
| Class 35. | <p>Advertising and promotion services provided online from a computer database or the Internet; retail services in connection with the sale of paints, varnishes, lacquers, preservatives against rust and against deterioration of wood, colorants, dyes, inks for printing, marking and engraving, raw natural resins, metals in foil and powder form for use in painting, decorating, printing and art, non-medicated cosmetics and toiletry preparations, non-medicated dentifrices, perfumery, essential oils, bleaching preparations and other substances for laundry use, cleaning, polishing, scouring and abrasive preparations, industrial oils and greases, wax, lubricants, dust absorbing, wetting and</p>                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

wrapping and packaging, printers' type, printing blocks, leather and imitations of leather, animal skins and hides, luggage and carrying bags, umbrellas and parasols, walking sticks, whips, harness and saddlery, collars, leashes and clothing for animals, furniture, mirrors, picture frames, containers, not of metal, for storage or transport, unworked or semi-worked bone, horn, whalebone or mother-of-pearl, shells, meerschaum, yellow amber, textiles and substitutes for textiles, household linen, curtains of textile or plastic, clothing, footwear, headwear, coffee, tea, cocoa and artificial coffee, rice, pasta and noodles, tapioca and sago, flour and preparations made from cereals, bread, pastries and confectionery, chocolate, ice cream, sorbets and other edible ices, sugar, honey, treacle, yeast, baking-powder, salt, seasonings, spices, preserved herbs, vinegar, sauces and other condiments, ice [frozen water], enabling customers to conveniently view and purchase these goods from retail stores, general merchandise catalogues by mail order, telephone, or other means of telecommunication, or from a general merchandise website; wholesale services in connection with the sale of paints, varnishes, lacquers, preservatives against rust and against deterioration of wood, colorants, dyes, inks for printing, marking and engraving, raw natural resins, metals in foil and powder form for use in painting, decorating, printing and art, non-medicated cosmetics and toiletry preparations, non-medicated dentifrices, perfumery, essential oils,

bleaching preparations and other substances for laundry use, cleaning, polishing, scouring and abrasive preparations, industrial oils and greases, wax, lubricants, dust absorbing, wetting and binding compositions, fuels and illuminants, candles and wicks for lighting, scientific, research, navigation, surveying, photographic, cinematographic, audiovisual, optical, weighing, measuring, signalling, detecting, testing, inspecting, life-saving and teaching apparatus and instruments, apparatus and instruments for conducting, switching, transforming, accumulating, regulating or controlling the distribution or use of electricity, apparatus and instruments for recording, transmitting, reproducing or processing sound, images or data, recorded and downloadable media, computer software, blank digital or analogue recording and storage media, mechanisms for coin-operated apparatus, cash registers, calculating devices, computers and computer peripheral devices, diving suits, divers' masks, ear plugs for divers, nose clips for divers and swimmers, gloves for divers, breathing apparatus for underwater swimming, fire-extinguishing apparatus, apparatus and installations for lighting, heating, cooling, steam generating, cooking, drying, ventilating, water supply and sanitary purposes, precious metals and their alloys, jewellery, precious and semi-precious stones, horological and chronometric instruments, paper and cardboard, printed matter, bookbinding material, photographs, stationery and office requisites, except

furniture, adhesives for stationery or household purposes, drawing materials and materials for artists, paintbrushes, instructional and teaching materials, plastic sheets, films and bags for wrapping and packaging, printers' type, printing blocks, leather and imitations of leather, animal skins and hides, luggage and carrying bags, umbrellas and parasols, walking sticks, whips, harness and saddlery, collars, leashes and clothing for animals, furniture, mirrors, picture frames, containers, not of metal, for storage or transport, unworked or semi-worked bone, horn, whalebone or mother-of-pearl, shells, meerschaum, yellow amber, textiles and substitutes for textiles, household linen, curtains of textile or plastic, clothing, footwear, headwear, coffee, tea, cocoa and artificial coffee, rice, pasta and noodles, tapioca and sago, flour and preparations made from cereals, bread, pastries and confectionery, chocolate, ice cream, sorbets and other edible ices, sugar, honey, treacle, yeast, baking-powder, salt, seasonings, spices, preserved herbs, vinegar, sauces and other condiments, ice [frozen water]; the provision of advice and information to customers and potential customers in the selection of paints, varnishes, lacquers, preservatives against rust and against deterioration of wood, colorants, dyes, inks for printing, marking and engraving, raw natural resins, metals in foil and powder form for use in painting, decorating, printing and art, non-medicated cosmetics and toiletry preparations, non-medicated dentifrices, perfumery, essential oils,

bleaching preparations and other substances for laundry use, cleaning, polishing, scouring and abrasive preparations, industrial oils and greases, wax, lubricants, dust absorbing, wetting and binding compositions, fuels and illuminants, candles and wicks for lighting, scientific, research, navigation, surveying, photographic, cinematographic, audiovisual, optical, weighing, measuring, signalling, detecting, testing, inspecting, life-saving and teaching apparatus and instruments, apparatus and instruments for conducting, switching, transforming, accumulating, regulating or controlling the distribution or use of electricity, apparatus and instruments for recording, transmitting, reproducing or processing sound, images or data, recorded and downloadable media, computer software, blank digital or analogue recording and storage media, mechanisms for coin-operated apparatus, cash registers, calculating devices, computers and computer peripheral devices, diving suits, divers' masks, ear plugs for divers, nose clips for divers and swimmers, gloves for divers, breathing apparatus for underwater swimming, fire-extinguishing apparatus, apparatus and installations for lighting, heating, cooling, steam generating, cooking, drying, ventilating, water supply and sanitary purposes, precious metals and their alloys, jewellery, precious and semi-precious stones, horological and chronometric instruments, paper and cardboard, printed matter, bookbinding material, photographs, stationery and office requisites, except

furniture, adhesives for stationery or household purposes, drawing materials and materials for artists, paintbrushes, instructional and teaching materials, plastic sheets, films and bags for wrapping and packaging, printers' type, printing blocks, leather and imitations of leather, animal skins and hides, luggage and carrying bags, umbrellas and parasols, walking sticks, whips, harness and saddlery, collars, leashes and clothing for animals, furniture, mirrors, picture frames, containers, not of metal, for storage or transport, unworked or semi-worked bone, horn, whalebone or mother-of-pearl, shells, meerschaum, yellow amber, textiles and substitutes for textiles, household linen, curtains of textile or plastic, clothing, footwear, headwear, coffee, tea, cocoa and artificial coffee, rice, pasta and noodles, tapioca and sago, flour and preparations made from cereals, bread, pastries and confectionery, chocolate, ice cream, sorbets and other edible ices, sugar, honey, treacle, yeast, baking-powder, salt, seasonings, spices, preserved herbs, vinegar, sauces and other condiments, ice [frozen water]; organisation, operation and supervision of loyalty card, incentive and promotional schemes, loyalty, incentive and bonus program services; fashion shows for promotional and commercial purposes.

Priority Date Claimed: 24 October 2019 United Kingdom

Priority Date Claimed: 24 October 2019 United Kingdom

Priority Date Claimed: 19 February 2020 United Kingdom

DKH Retail Limited, Unit 60, The Runnings, Cheltenham, Gloucestershire GL51 9NW, United Kingdom

Notings: Transliteration of the mark: Ken Son. Translation of the mark or of words contained in the mark: Humility

Representative: Superdry Plc, Unit 60, The Runnings, Cheltenham, Gloucestershire GL51 9NW, United Kingdom

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**OZO**

**1541094** 28/05/2020

Class 29. Vegetable-based meat substitutes; prepared meals consisting primarily of meat substitutes; vegetable-based snack foods; vegetable-based raw food bars; vegetable-based spreads; textured vegetable protein for use as a meat extender; meat, beef, pork, chicken, poultry, lamb, bison; prepared, fresh or frozen food kits composed of meat, beef, pork, chicken, poultry, lamb, bison, and/or vegetables and also including sauces or seasonings, ready for cooking and assembly as a meal; prepared or frozen meals consisting primarily of meat, soup, salad and/or vegetables; fruit and vegetable salads; fresh, frozen, prepared

or cooked blended meat and vegetable-based meat substitutes.

Planterra Foods Company, 1770 Promontory Circle, Greeley CO 80524, United States of America

Representative: Brent Johnson Berg Hill  
Greenleaf Ruscitti LLP, 1712  
Pearl Street, Boulder CO 80302,  
United States of America

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*aquor*

1541161 03/06/2020

Class 7. Pumps [machines]; aerating pumps for aquaria; centrifugal pumps; compressed air machines; agricultural machines; milking machines; shearing machines for animals; papermaking machines; printing machines; spinning machines; dyeing machines; tobacco processing machines; leather-working machines; sewing machines; bicycle assembling machines; engraving machines; packaging machines; metalworking machines; electromechanical machines for chemical industry; cutters [machines]; jacks [machines]; foundry machines; steam engines; industrial robots; valves [parts of machines]; bearings [parts of machines]; drums [parts of machines]; control mechanisms for machines, engines or motors; belts for machines; electric welding apparatus; labellers [machines]; 3D printers; electroplating machines;

woodworking machines; filter presses; welding machines, electric; taps [parts of machines, engines or motors].

Taizhou Leading Machinery Industry CO., LTD.,  
Room 1332, Building B, Junyue Mansion, Taizhou,  
318000 Zhejiang, China

Representative: Taizhou Ahead Brand  
Management Co., Ltd., Second  
Floor Of No.76-3,  
Haichengjiayuan South Area,  
Taizhou Economic  
Development Zone, Taizhou,  
Zhejiang, China

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## Ollie and his Super Powers

1541241 17/01/2020

Class 9. Films; pre-recorded tapes, cassettes, discs and DVDs; computer and video game cassettes, cartridges, discs, CDs and DVDs; computer software programs; computer games software; decorative magnets; spectacles and spectacle cases; sunglasses and sunglass cases; mouse pads and mouse mats; telephones and telephone accessories; ringtones; screensavers; electronic publications; digital music; digital music downloads; databases; computer software for searching and retrieval of data; electronic notice boards.

Class 41. Entertainment and education services; provision of information relating to education and entertainment activities; TV and radio entertainment services; entertainment services, namely, publication multimedia content and

providing information over telecommunication networks, the internet and other communications network; entertainment services featuring electronic media, multimedia content, videos, movies, pictures, images, text, photos, games, user-generated content, audio content, and related information via telecommunication networks, computer and communications networks; gaming services; gaming services for entertainment purposes; amusement arcade gaming machine rental services; electronic game services provided by means of the internet or a telecommunication system; provision of non-downloadable games on the internet; organisation of events for cultural, entertainment and sporting purposes; organisation of competitions and quizzes; publication of printed matter, periodical publications, printed publications, books and magazines; production and distribution of television programs, radio programs and motion picture films; production of pre-recorded video tapes, cassettes, discs and DVDs; production of pre-recorded audio tapes, cassettes and discs; television program and radio program syndication; providing online information services in the field of education and entertainment; provision and/or organisation of entertainment, educational, recreational, and/or musical events; organisation, production, staging, hosting and/or presentation of shows, performances, competitions, contests, festivals, gigs, concerts and other events and activities; publishing and

production of videos; publishing and production of sound recordings; entertainment in the nature of live performances and personal appearances by a costumed character and entertainment services, namely, live, televised and cinema appearances by a professional entertainer; ticket booking and reservation services; advisory and consultancy services relating to the aforementioned services.

Class 44. Health counselling services; psychotherapy services; personal therapy services; counselling, psychotherapy and therapy clinics; hypnotherapy services; meditation services; mental health services; therapy services for physical, psychological and cognitive purposes; consultancy services relating to personal behaviour; health counselling; healthcare services; personality testing for psychological purposes; personal development services, namely training and education in the field of therapy; information, advisory and consultancy services in relation to the aforementioned services.

Subconquest Limited, Crimson Harvest, 34 The Broadway, ST. IVES, Cambridgeshire PE27 5BN, United Kingdom

Representative: Swindell & Pearson Ltd, 48 Friar Gate, Derby DE1 1GY, United Kingdom



1541372 15/04/2020

Class 10. Sanitary masks for medical purposes; protective clothing for medical purposes; isolation gowns for medical purposes; gloves for medical purposes; cushions for medical purposes; thermo-electric compresses [surgery]; esthetic massage apparatus; hot air therapeutic apparatus; thermometers for medical purposes; medical apparatus and instruments; respirators for artificial respiration; fumigation apparatus for medical purposes; diagnostic apparatus for medical purposes; dental apparatus; physiotherapy apparatus; masks for medical purposes; feeding bottles; abdominal pads; hair prostheses; abdominal belts; suture materials; dynamic electrocardiographs; clothing especially for operating rooms.

Priority Date Claimed: 07 April 2020 China

Hongdou Group Co.,Ltd., Xinggang Road, Gangxia, Donggang Town, Xishan District, Wuxi City, Jiangsu Province, China

Representative: WUXI MINGYANG  
TRADEMARK OFFICE CO.,  
LTD., Room 2109, Beichuang  
Keji Dalou, No. 401, Xingyuan  
North Road, Wuxi City,  
Jiangsu Province China, China



1541518 23/04/2020

Class 9. Software; application software; compiling software; downloadable software; software for encryption; downloadable computer software applications; application software for mobile telephones; database and application integration software; data compression software; database management software; data processing software; data search software; computer programs [downloadable software]; software for data and document capture, transmission, storage and indexing; software and telecommunications apparatus for logging into databases, computer networks, global computer networks and the Internet; recorded computer programs; recorded computer operating system programs; software [recorded programs]; downloadable electronic publications; electronic publications [downloadable] provided from databases or the Internet; data processors; data recorders; data storage apparatus; apparatus for recording, transmission or reproduction of sounds, images and data; apparatus for the input, extraction, transmission and storage of data; electronic databases recorded on computer media; the aforesaid products will never be used in the audiovisual, entertainment, television, press, film and show fields.

Class 35. Updating and maintenance of data in computer databases;

analysis of commercial data; management and compilation of computerized databases; database management; collection and systematization of data in a central file; data processing services; systematization of information in computer databases; computer file management; data search in computer files for others; document reproduction; updating of advertising material; formatting for advertising purposes; dissemination of advertisements; writing of advertising texts; publication of advertising texts; online advertising on a computer network; advertising mail; rental of advertising space; commercial information agencies; business management assistance; business management and organization consultancy; demonstration of goods; commercial information and advice for consumers (consumer advice shop); compilation of statistics; market study; market research; sponsorship search; public relations; opinion polling; commercial advice and commercial advisory services for companies; presentation of goods on any communication media, for retail purposes and online sale; commercial exchange services; purchase and wholesale, retail and online sale of data and databases, and sales via telecommunication means, the bringing together, for the benefit of others, of the following goods (these services enabling customers to conveniently view and purchase such goods or such services by any means, especially on an Internet site) namely data and databases; commercial appraisals of data

and databases; advice relating to the evaluation, purchase and sale of data and databases; networking for the sale and purchase of data and databases; marketing; marketing analysis; the aforesaid services will never be used in the audiovisual, entertainment, television, press, film and show fields.

- Class 38. Providing access to online information from a computer database via the Internet; transmission of data online from a computer database via the Internet; provision and a rental of access time to databases; provision of access and links to computer databases; communication by computer terminals; information on telecommunication; message transmission; messaging services via the Internet, namely forwarding of messages of all kinds to Internet addresses (Web-messaging); distribution (dissemination) and radio broadcasting of data, sound and images via telecommunication media; dissemination of data; electronic data exchange services; computer data transmission services; electronic exchange of data stored in databases accessible via telecommunication networks; provision of on-line forums; electronic bulletin board services [telecommunications services]; the aforesaid services will never be used in the audiovisual, entertainment, television, press, film and show fields.
- Class 39. Physical storage of electronically-stored data or documents; storage information; physical storage of documents, databases, audio files, images,

photographs and other digital data stored electronically; the aforesaid services will never be used in the audiovisual, entertainment, television, press, film and show fields.

Class 42. Database design; data mining; design of data processing systems; design and development of data storage systems; development of programs for data processing; development of data transmission systems; hosting of data and databases; installation of database software; rental of data processing software; rental of computers for data processing; maintenance of database software; computer data recovery; electronic data back-up; off-site data backup; data decoding and encryption services; database development services; data migration services; electronic data storage; compression of data for electronic storage purposes; updating of data processing software; design and development of electronic database software; design and development of computer software and applications; design and development of data reading, transmission and organization software; development, programming and rental of data processing programs; scientific research conducted using databases and the Internet; services provided by consultants relating to computer database programs; design, development, installation, rental, updating of software; technical evaluation of data and databases; technical advice relating to the evaluation, purchase and sale of data and databases; technical advice relating to the field of data and databases; building, design

(development) and operation of administrative data banks; the aforesaid services will never be used in the audiovisual, entertainment, television, press, film and show fields.

Priority Date Claimed: 30 October 2019 France

TADATA, 17 rue de la Banque, F-75002 PARIS, France

Representative: CABINET SIGNATURE, 4 rue Bochart de Saron, F-75009 PARIS, France

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# ANA-DIGI TEMP

**1541526** 01/05/2020

Class 14. Watches, clocks and parts and fittings thereof.

Priority Date Claimed: 16 April 2020 Japan

CITIZEN TOKEI KABUSHIKI KAISHA also trading as CITIZEN WATCH CO., LTD., 1-12, 6-chome, Tanashi-cho, Nishi-tokyo-shi, Tokyo, Japan



**1541552** 16/06/2020

Class 30. Pastry and confectionery; biscuits; cakes; chocolate and

chocolate-based products;  
cereal-based snacks; edible  
ices.

Priority Date Claimed: 16 June 2020 Benelux Office  
fro Intellectual Property (BOIP)

SOREMARTEC S.A., 16, route de Trèves, L-2633  
Senningerberg, Luxembourg

Colour Claimed: Red, white, brown.

Representative: MSA IP, Milojevic, Sekulic and  
Associates, C/ Valle de Laciana,  
65, Madrid, E-28034, Spain



**1541708** 03/06/2020

Class 37. Motor vehicle maintenance  
and repair; vehicle  
maintenance; vehicle  
breakdown repair services;  
providing information  
services relating to vehicle  
maintenance; vehicle  
greasing; vulcanization of  
tyres [repair]; repair of tires;  
retreading of tyres; provision  
of coin-operated car washing  
machines; car washing;  
vehicle polishing; anti-rust  
treatment for vehicles; vehicle  
cleaning; automobile  
decoration; tuning of motor  
vehicles; repair services  
featuring worn or partially  
damaged vehicle; repair  
services featuring worn or  
partially damaged engines for  
vehicle; custom installation of  
automobile interiors;  
replacement of automobile  
parts; repair or maintenance of  
motor automobile parts;  
garage services for the  
maintenance and repair of

motor vehicles; automobile  
cleaning and car washing;  
maintenance of automobiles;  
automobile burglar alarm  
repair or maintenance;  
providing information relating  
to the repair or maintenance  
of automobiles; automobile  
reconditioning services; repair  
or maintenance of heating and  
cooling systems for motor  
cars; repair or maintenance of  
automobile tires; repair or  
maintenance of wheels for  
automobiles; automobile  
supplies repair; motor vehicle  
maintenance; advisory  
services relating to vehicle  
maintenance.

Priority Date Claimed: 06 December 2019 Republic  
of Korea

HYUNDAI MOTOR COMPANY, 12, Heolleung-ro,  
Seocho-gu, Seoul, Republic of Korea

Representative: SungAm Suh International  
Patent & Law Firm, 9F,  
Hyunjuk B/D, 114 Yeoksam-ro,  
Gangnam-gu, Seoul, Republic  
of Korea



**1541810** 29/05/2020

Class 33. Baijiu [Chinese distilled  
alcoholic beverage].

Beijing Erguotou Wine Co., Ltd., No. 2, Xinghai Road, Yinghai Town Industrial Zone, Daxing District, Beijing, China

Notings: Translation of the mark: Yong Feng PaI Transliteration of the mark: The first Chinese character "Yong" means "eternal" in English. The second Chinese character "Feng" means "abundant" in English., the third Chinese character "PAI" means "brand" in English. The combination of the three Chinese characters has no meaning.

Representative: Beijing Saintbuild Intellectual Property Agency Co., Ltd., Room 501, Culture Building, No. 57, Honglian South Road, Xicheng District, Beijing, China

yarns.life

1541928 11/06/2020

Class 9. Downloadable software application that provides a subscription service to allow users to collect and organize their experiences and memories into a digital memoir with chapters and other categories including audio, video, photo, text, and other digital files, and enables users to share the same only with selected individuals.

Priority Date Claimed: 11 December 2019 United States of America

Honeybridge, LLC, 69 CHURCH STREET, WEST NEWBURY MA 01985, United States of America

Colour Claimed: The color(s) black, red and gray is/are claimed as a feature of the mark., The mark consists of the word yarns in black followed by a red period followed by the word life in gray.

Representative: David J. Thibodeau, Jr. VLP Law Group, LLP, P.O. Box 52268, Boston MA 02205-2268, United States of America



1542012 03/06/2020

Class 7. Exhaust manifold for engines; gasoline engines, other than for land vehicles; gasoline engines, other than for vehicles; rotary slide actuators for engines, other than for land vehicles; knock controllers for engines, other than for land vehicles; idle speed controllers for engines, other than for land vehicles; high-pressure pumps for fuel injections; fuel pumps; compressors [machines]; control mechanisms for machines, engines or motors; control cables for machines, engines or motors; electronic brake system, other than for land vehicles; valves [parts of machines]; electronic carburetors, other than for land vehicles; air filters for automobile engines; fuel transfer pipe modules for engines, other than for land vehicles; fuel pulsation dampers for engines, other than for land vehicles; fuel injectors devices for internal combustion engines; actuators [parts of machines].

Priority Date Claimed: 06 December 2019 Republic of Korea

HYUNDAI MOTOR COMPANY, 12, Heolleung-ro, Seocho-gu, Seoul, Republic of Korea

Representative: SungAm Suh International Patent & Law Firm, 9F, Hyunjuk B/D, 114 Yeoksam-ro, Gangnam-gu, Seoul, Republic of Korea



1542136 22/06/2020

Class 2. Fixatives [varnishes]; binding preparations for paints.

Hengshui Aikesailin Rubber Products Co., Ltd, Daliulin Village, Zhaoquan Town, Hengshui City, Hebei Province, China

Notings: Transliteration of the mark: AI KE SAI LIN. The words in this mark have no meaning.

Representative: Shijiazhuang Yuanxin Intellectual Property Services Co., Ltd, Chunyu 3-2501, Cambridge, yuhua road, shijiazhuang city, hebei province, China

## AECC

1542205 29/05/2020

- Class 7. Bearings [parts of machines]; mechanical seals; belts for machines; regulators [parts of machines]; pumps [machines]; valves [parts of machines]; hydraulic components (not including vehicle hydraulic system); control mechanisms for machines, engines or motors; cutting tools being parts of machines (including mechanical blades); speed governors for machines, engines and motors.
- Class 12. Aeronautical apparatus, machines and appliances; air vehicles; aircraft; space vehicles.
- Class 40. Woodworking; metal casting; refining services; soldering; metal plating; abrasion.
- Class 42. Technical research; conducting technical project studies; quality control; material testing; mechanical research; industrial design.

Aero Engine Corporation of China, Landianchang South Road 5, Haidian District, 100097 Beijing, China

Representative: Beijing Jincheng Tongda & Neal Law Firm, 10th Floor, China World Tower A, No. 1 Jianguo Menwai Avenue, 100004 Beijing, China

## FIREBIRD

1542291 19/06/2020

- Class 13. Instant hit recognition flares; pyrotechnic targets; explosives.
- Class 28. Targets; firearm targets; clay pigeons.

Priority Date Claimed: 21 December 2019 United States of America

I P CREATIONS LIMITED, Draycott Foliat, Draycot Aerodrome, Swindon SN4 4BY, United Kingdom

Representative: George R. Schultz Schultz & Associates, P.C., 5400 LBJ Freeway, Suite 1200, Dallas TX 75240, United States of America



1542316 19/06/2020

- Class 34. Flavorings, other than essential oils, for tobacco; flavorings, other than essential oils, for use in electronic cigarettes; gas containers for cigar lighters; absorbent paper for tobacco pipes; cigarette paper; lighters for smokers; tobacco pouches; books of

cigarette papers; humidors; matchboxes; firestones; cigar cutters; cigar holders; cigarette holders; mouthpieces for cigarette holders; tips of yellow amber for cigar and cigarette holders; ashtrays for smokers; spittoons for tobacco users; pipe racks for tobacco pipes; pipe cleaners for tobacco pipes; liquid solutions for use in electronic cigarettes; electronic cigarettes; cigarettes; cigarettes containing tobacco substitutes, not for medical purposes; cigarillos; cigars; tobacco jars; match holders; matches; oral vaporizers for smokers; tobacco; chewing tobacco; snuff; snuff boxes; herbs for smoking; tobacco pipes; pocket machines for rolling cigarettes; cigarette filters; wicks adapted for cigarette lighters; cigarette tips; cigar cases; cigarette cases.

Priority Date Claimed: 28 December 2019 Russian Federation

Bogatyrev Vasily Alexandrovich, ul. Admiral Zhiltsov, 3 sq. 13, Ivanteevka, RU-141280 Moscow region, Russian Federation

Colour Claimed: Black, grey and red.

Representative: Smirnova Irina M., mail box 14, Lesnoy Gorodok, Odintsovsky r-n, RU-143080 Moskovskaya obl., Russian Federation

## Gastromagnyl

1542402 01/07/2020

- Class 5. Pharmaceuticals, medical and veterinary preparations;

dietetic food and substances adapted for medical or veterinary use, food for babies; dietary supplements for human beings and animals.

GMP LTD, V. Ponichala 765, 0165 Tbilisi, Georgia

Representative: Nugzar Ksovreli, 154, Agmashenebeli Ave., 0112 Tbilisi, Georgia

## PALESTRA

1542453 13/01/2020

Class 33. Alcoholic beverages (excluding beers).

BODEGA CUATRO RAYAS, S. COOP. AGROALIMENTARIA, Camino de la Fuentecilla, s/n, E-47491 LA SECA (Valladolid), Spain

Representative: Francisco Garde Pinar, C/ Alejandro Ferrant, nº9, E-28045 Madrid, Spain

## PhInn Pharmanager Innovation

1542472 09/06/2020

Class 9. Scientific, nautical, surveying, photographic, cinematographic, optical, weighing, measuring, signaling, checking (supervision), emergency (life-saving) and teaching apparatus and instruments;

electronic tablets, smartphones, e-book readers; software (recorded programs); scientific and regulatory data software; downloadable software; computer application software; computer graphics software; tablet computer software; software for commercial use; downloadable computer software applications; database software; data search software; software for authorizing access to databases; computer software for creating databases used for searching for information and data.

Class 41. Training; training services concerning software use.

Class 42. Evaluations and assessments in the fields of science and technology provided by engineers; scientific and technical research; design and development of computers and software; development (design), installation, maintenance, updating or rental of software; computer system design; software as a service (SaaS); information technology (IT) consultancy; electronic data storage; development, programming and implementation of software; design and development of electronic database software; scientific advisory services; installation of database software; software design, development and maintenance.

PHARMANAGER DEVELOPMENT, 24 rue Max Richard, F-49100 ANGERS, France



**1542679** 16/04/2020

- Class 7. Mixing machines; dishwashers; crushers for kitchen use, electric; tin openers, electric; kitchen machines, electric; electric fruit squeezers; whisks, electric, for household purposes; food processors, electric; kitchen grinders, electric; domestic vegetable slicer, electric.
- Class 8. Scissors; hand tools, hand-operated; vegetable shredders; can openers, non-electric; knives; cheese slicers, non-electric; vegetable peelers [hand tools]; fruit segmenters; fruit corers; table cutlery [knives, forks and spoons].
- Class 10. Babies' bottles; feeding bottle teats.
- Class 11. Cooking utensils, electric; cooking stoves; roasting apparatus; pressure cookers, electric; kettles, electric; food steamers, electric; induction cookers; extractor hoods for kitchens; water purification installations; lighters.
- Class 16. Table linen of paper; handkerchiefs of paper; tablecloths of paper; tablemats of paper; towels of paper; paper for kitchen use; paper wipes; garbage bags of paper or of plastics; preservative film for wrapping or

- packaging; plastic films used as packaging for food.
- Class 21. Cooking pots; containers for household or kitchen use; kitchen utensils; tableware, other than knives, forks and spoons; daily use glassware (including cups, plates, pots, crocks); ceramics for household purposes; works of art of porcelain, ceramic, earthenware, terra-cotta or glass; trash cans; brushes; thermally insulated containers for food; cleaning instruments, hand-operated.
- Class 35. Demonstration of goods; advertising; advertising planning; presentation of goods on communication media, for retail purposes; shop window dressing; commercial administration of the licensing of the goods and services of others; import-export agency services; sales promotion for others; marketing; provision of an on-line marketplace for buyers and sellers of goods and services.

Priority Date Claimed: 16 October 2019 China

Priority Date Claimed: 17 October 2019 China

Priority Date Claimed: 17 October 2019 China

Priority Date Claimed: 17 October 2019 China

Priority Date Claimed: 17 October 2019 China

Priority Date Claimed: 25 October 2019 China

Priority Date Claimed: 25 October 2019 China

Zhejiang Aishida Electric Co., Ltd., No.2 Keji Road, Economic Development Zone, Wenling City, Zhejiang, China

Representative: Wenzhou Zhixin Trademark Service Co., Ltd., 807-A, Building 10, No.228, Aidengqiao, Wenzhou, Zhejiang, China



1542842 19/06/2020

Class 34. Flavorings, other than essential oils, for tobacco; flavorings, other than essential oils, for use in electronic cigarettes; absorbent paper for tobacco pipes; cigarette paper; tobacco pouches; books of cigarette papers; humidors; cigar cutters; cigar holders; cigarette holders; mouthpieces for cigarette holders; tips of yellow amber for cigar and cigarette holders; ashtrays for smokers; spittoons for tobacco users; pipe racks for tobacco pipes; pipe cleaners for tobacco pipes; liquid solutions for use in electronic cigarettes; electronic cigarettes; cigarettes; cigarettes containing tobacco substitutes, not for medical purposes; cigarillos; cigars; tobacco jars; oral vaporizers for smokers; tobacco; chewing tobacco; snuff; snuff boxes; herbs for smoking; tobacco pipes; pocket machines for rolling cigarettes; cigarette filters; cigarette tips; cigar cases; cigarette cases.

GOGU MARIN, Str. Trei Fintini, 4, MD-4301  
Cau?eni, Republic of Moldova

Representative: Smirnova Irina M., mail box 14,  
Lesnoy Gorodok, Odintsovsky  
r-n, RU-143080 Moskovskaya  
obl., Russian Federation

**By Vixi**

1542963 05/02/2020

Class 3. Adhesives for cosmetic purposes; adhesives for affixing false hair; abrasive paper and emery paper, all for cosmetic purposes; acrylic powders and bonding liquids for making, mending or strengthening artificial fingernails; aloe vera gel for cosmetic purposes; antiaging treatments; antiperspirant; aromatherapy products, not for medical use; artificial fingernails, tips and forms; bath and shower gels and salts not for medical purposes; beauty masks, facial packs; bleaching preparations and other substances for cosmetic purposes; blusher powder and cream; body and nail decoration transfers and decalcomania; body lotions and creams; body glitter; body oils; body scrubs; brush cleaners; bonding liquids; cleaning, polishing, scouring and abrasive preparations; creams, milks, lotions, gels and powders for the face, body and hands; cuticle cream; colour cosmetics; concealer; cosmetics; cosmetic kits; cosmetic pads; cosmetic paint; cosmetic pencils; cosmetic preparations for the care of mouth and teeth; cotton sticks for cosmetic purposes; cotton

wool and cotton buds for cosmetic purposes; decorative cosmetics; dentifrices; deodorants and antiperspirants; depilatory preparations; depilatory wax; detanglers; exfoliators; eyebrow cosmetics; eyebrow pencils; eye liner; eye make-up; eye shadow; essential oils; false eyelashes and false nails and adhesives for fixing all the aforesaid goods; foot creams and lotions and cleansers; glitter and glitter dust for cosmetic use; gels, mousses and balms, preparations in aerosol form for hairdressing and haircare; adhesives for cosmetic purposes; hair colouring and hair de-colourizing preparations; hair glitter spray; hair lacquers; hair lotions/serums; hair mascara; hair styling products; jelly for cosmetic purposes; kits for making artificial fingernails comprising acrylic powders; kohl pencils; lip liner; lipstick and cases; lip balms, conditioners, gloss, coatings, neutralisers and protectors; liquid make-up; lotions for cellulite reduction; make-up and make-up removal preparations; mascara; massage preparations, not for medical use; moisturisers; mouthwash, not for medical use; nail adhesives; nail enamel; nail polish, nail varnish, nail gel and preparations for removing all the aforesaid goods; nail hardener; nail lacquer; nail polish base coats; nail polish top coats; nail polish remover; non medicated toilet preparations; non-medicated preparations for the nails and the skin; oils for treating nails and cuticles; oils for perfumes and scents; oils for the body; perfumery; perfumes, eaux-de-toilette; permanent waving

and curling preparations; pre-moistened or impregnated cleansing pads, tissues or wipes; preparations for the nails; preparations for removing cosmetics; preparations for the hair; pumice stones; rose oil for cosmetic purposes; scented oils; self-tanning preparations; shampoos; shaving preparations including pre-shave and aftershave preparations; soaps; sprays, all for assisting the drying of nails; sun tanning milks, gels, oils and after-sun preparations (cosmetics); talcum powder; tea tree oil; pre-moistened or impregnated tissues or tissue wipes; toilet soaps; toothpaste; wrinkle lotions and creams; fake eyelashes; silk eyelashes; mink eyelashes; faux mink eyelashes; human hair eyelashes; natural eyelashes; eyelash tint; 3d eyelashes; eyelashes; striplash; strip lash; eyelash glue; eyelash adhesive; eyelash dye; eyelash serum; cluster eyelashes; individual eyelashes; eyeliner; eye makeup; glue remover; eyelash glue remover; eyelash pads; eyebrow pencil; eyebrow extensions; eyebrow glue; eyelash cleanser; eyelash growth serum; hair glue; hair cosmetics; cuticle oils; glitter; exfoliating creams; waxing strips; hair dye; acrylic nail systems; hair colours; eye masks for cosmetic purposes; face masks; face creams.

Kyle Peach, 25 Durban Road, KETTERING,  
Northamptonshire NN16 0JA, United Kingdom



**1543084** 19/06/2020

- Class 13. Instant hit recognition flares; pyrotechnic targets; explosives.
- Class 28. Targets; firearm targets; clay pigeons.

Priority Date Claimed: 21 December 2019 United States of America

I P CREATIONS LIMITED, Draycott Foliat, Draycot Aerodrome, Swindon SN4 4BY, United Kingdom

Representative: George R. Schultz Schultz & Associates, P.C., 5400 LBJ Freeway, Suite 1200, Dallas TX 75240, United States of America

## FLAWSOME

**1543316** 17/04/2020

- Class 25. Clothing; headgear; footwear; t-shirts; sweatshirts; caps; waist belts.
- Class 29. Potato crisps; potato snack foods; nut-based snack foods; soy-based snack foods; dried fruit-based snacks; dried fruits; fruit desserts; fruit-based snack food; fruit- and

nut-based snack bars; fruit and nut based snack bars; dried fruit mixes; fruit snacks; dried fruit products; fruit spread; jellies, jams, compotes, fruit and vegetable spreads; fruit juices for cooking; fruit salads; fruit preserved in alcohol; soups; preparations for making soups; oat milk; almond milk; soya milk; kefir; milk shakes; peanut butter; vegetable-based snack foods; birds eggs and egg products; dairy products and dairy substitutes; edible oils and fats; fish, seafood and molluscs, not live; meats; prepared insects and larvae; processed fruits, fungi and vegetables (including nuts and pulses); sausage skins and imitations thereof; soups and stocks, meat extracts; fruit chips; chips (fruit -); vegetable chips; yoghurt drinks; milk products; fromage frais; mousses (fish -); fish mousses; mousses (vegetable -); dairy desserts; jellies; jams; yoghurts; yoghurt drinks; jams; fruit purees; meat; fish; poultry; game.

- Class 32. Non-alcoholic beverages; preparations for making beverages; beer and beer-based beverages; fruit juices; fruit smoothies; beverages consisting of a blend of fruit and vegetable juices; vegetable juices [beverages]; vegetable smoothies; beverages (whey -); energy drinks; flavored waters; fruit beverages and fruit juices; fruit drinks; non-alcoholic drinks; soft drinks; syrup for making beverages; vegetable drinks; vegetable juices [beverages]; craft beer; lager; stout; ale; pale ale; porter; wheat beer; malt beer; non-alcoholic beer; low alcohol beer; flavoured beers; malt wort; non-alcoholic malt

beverages; malt syrup for beverages; hops (extracts of -) for making beer; extracts of hops for making beer; fruit drinks; mineral water; syrups and other non-alcoholic preparations for making beverages; beers; ales; non-alcoholic malt beverages; non-alcoholic malt drinks; malt syrup for beverages; non-alcoholic drinks; soft drinks.

Class 33. Preparations for making alcoholic beverages; alcoholic beverages (except beer); alcoholic preparations for making beverages; cider; spirits; gin; vodka; whisky; whiskey; spirits; distilled spirits; blended whisky; liqueurs; gin; vodka; alcoholic beverages (except beers); low alcoholic drinks; alcoholic energy drinks; alcoholic fruit beverages; bourbon whiskey.

Flawsome Brands LTD, Pembroke House,  
Llantarnam Park Way, Torfaen, Cwmbran NP44  
3AU, United Kingdom

# Cabbeen

**1543384** 31/03/2020

Class 10. Contraceptives; respiratory masks for artificial respiration; galvanic therapeutic appliances; gloves for medical purposes; eye massage instrument; thermometers for medical purposes; sanitary masks for medical purposes; sanitary masks; protective clothing for medical purpose; respiratory masks for medical purpose.

Priority Date Claimed: 11 February 2020 China

GUANGZHOU ZIXI MANAGEMENT SERVICES CO., LTD., Suite 801, 379#, Shougouling Road, Tianhe District, Guangzhou, Guangdong, China

Representative: Tee & Howe Intellectual Property Attorneys, 10th Floor, Tower D, Minsheng Financial Center, 28 Jianguomennei Avenue, 100005 Dongcheng District, Beijing, China

# EVOLUXX

**1543552** 19/04/2020

Class 12. Tires for vehicles; automobile tires; aircraft tires; truck tires; commercial vehicle tires; inner tube for vehicle tires; tread for retreading of tyres for civil engineering vehicles; inner tube (car tire); tyres for forestry vehicles; pneumatic tires.

Shandong Linglong Tyre Co., Ltd., No. 777 Jinlong Road, Zhaoyuan City, 265400 Shangdong Province, China

Representative: Beijing RongAnXin Intellectual Property Law Office, Room 616, Building No.2, Fu Shi Road No. 165, ShiJingShan District, 100043 Beijing, China



**1543594** 03/06/2020

Class 9. Computer application software for mobile phones for the operation of vehicles and the management assistance of vehicles; computer software; smart phone application (software) for provision of information relating to trip information history, parking location management, trip information, vehicle health management, driving information, and promotional data; smart phone application (software) for vehicle lease; smart phone application (software) for rental car lease and maintenance; smart phone application (software) for vehicle rental and maintenance; computer software for providing remote diagnosis, information, entertainment, communication, navigation function, and display in vehicles; downloadable smart phone application (software); application software for smart phone; computer application software for vehicles; bluetooth speakers; ear phones; ear buds; headphones; electronic picture frames; batteries for automobiles; car telephone installations; starter cables for motors; vehicle radios attached to cars; satellite receivers attached to cars; media players for automobiles; car speakers; audio/video apparatus for cars; car navigators; GPS used in cars; GPS navigation devices for cars; remote control apparatus attachable to cars; black box for cars; electronic keyless entry

system for automobiles; electric audio and visual apparatus and instruments.

Priority Date Claimed: 06 December 2019 Republic of Korea

HYUNDAI MOTOR COMPANY, 12, Heolleung-ro, Seocho-gu, Seoul, Republic of Korea

Representative: SungAm Suh International Patent & Law Firm, 9F, Hyunjuk B/D, 114 Yeoksam-ro, Gangnam-gu, Seoul, Republic of Korea

## AROCENIA

**1543750** 01/06/2020

Class 5. Veterinary preparations.

Priority Date Claimed: 04 December 2019 Slovenia

KRKA, tovarna zdravil, d.d., Novo mesto, Smarjeska cesta 6, SI-8000 Novo mesto, Slovenia

## AELIVARSO

**1543821** 17/06/2020

Class 5. Pharmaceutical preparations for use in oncology; anti-cancer compounds.

Priority Date Claimed: 19 December 2019 Switzerland

Helsinn Healthcare SA, Via Pian Scairola 9, CH-6912 Lugano, Switzerland

Representative: P&TS Marques SA, Avenue  
Jean-Jacques Rousseau 4, P.O.  
Box 2848, CH-2001 Neuchâtel,  
Switzerland

## NEPHTHERA

**1544147** 09/06/2020

- Class 42. Research and development for  
the pharmaceutical industry.  
Class 44. Medical services; hygienic  
care for human beings.

Priority Date Claimed: 09 December 2019  
Switzerland

Vifor (International) AG (Vifor (International) Ltd.)  
(Vifor (International) Inc.), Rechenstrasse 37, CH-  
9014 St. Gallen, Switzerland

Representative: Isler & Pedrazzini AG,  
Postfach, CH-8027 Zürich,  
Switzerland

## Thymvital

**1544140** 18/04/2020

- Class 5. Medicinal products for use in  
humans or veterinary  
medicine; pharmaceutical  
products and veterinary  
products; diagnostic  
substances for medical  
purposes; chemical reagents  
and chemical test preparation  
to be use by physicians for  
medical purposes; health care  
preparations; dietetic products  
for medicinal purposes; food  
supplements for medicinal  
purposes; food supplements  
for non-medicinal purposes,  
mainly consisting of vitamins,  
trace elements, minerals, as  
far as contained in this class;  
food supplements for non-  
medicinal purposes, mainly  
consisting of proteins; food  
supplements for non-  
medicinal purposes, mainly  
consisting of carbohydrates.

biosyn Arzneimittel GmbH, Schorndorfer Str. 32,  
70734 Fellbach, Germany



**1544155** 08/07/2020

- Class 8. Abrading instruments [hand  
instruments]; flat irons; hobby  
knives [scalpels]; tableware  
[knives, forks and spoons];  
fruit pickers [hand tools].

Shanghai Wilson Precision Technology Co., Ltd,  
Factory Building 3, No. 868, Zhenchen Road,  
Baoshan District, 201900 Shanghai, China

Representative: BEIJING EAGLE FLY  
INTERNATIONAL  
INTELLECTUAL PROPERTY  
CO., LTD, Room 716, No.17  
Madian East Road, Haidian  
District, Beijing, China

fragrances, reed diffusers,  
reed diffuser oils, candles and  
scented candles; advisory,  
consultancy and information  
services in relation to the  
aforesaid services.

Untainted Limited, 37 Limestone Close, Great  
Blakenham IPSWICH IP6 0FF, United Kingdom

## BloomFuser

1544229 14/02/2020

Class 3. Perfumery and fragrances; eau  
de toilette, deodorants, for  
personal use (perfumery);  
essential oils and aromatic  
extracts; room perfumes;  
household fragrances; reed  
diffusers; reed diffuser oils.

Class 35. Retail services in relation to  
perfumery and fragrances, eau  
de parfum, eau de toilette,  
deodorants for personal use  
(perfumery), essential oils and  
aromatic extracts; retail  
services in relation to room  
perfumes, household  
fragrances, reed diffusers,  
reed diffuser oils, candles and  
scented candles; online retail  
store services in relation to  
perfumery and fragrances, eau  
de parfum, eau de toilette,  
deodorants for personal use  
(perfumery), essential oils and  
aromatic extracts; online retail  
store services in relation to  
room perfumes, household  
fragrances, reed diffusers,  
reed diffuser oils, candles and  
scented candles; wholesale  
services in relation to  
perfumery and fragrances, eau  
de parfum, eau de toilette,  
deodorants for personal use  
(perfumery), essential oils and  
aromatic extracts; wholesale  
services in relation to room  
perfumes, household



1544267 28/04/2020

Class 28. Body-building apparatus;  
Christmas trees of synthetic  
material; ice skate blades;  
chess pieces; Christmas tree  
stands; artificial snow for  
Christmas trees; decorations  
for Christmas trees, except  
illumination articles and  
confectionery; toys; apparatus  
for games; bladders of balls  
for games.

JINGZHI CRAFTS TOYS CO.,LTD.QUANZHOU,  
Xunmei Industrial estate, Fengze District, Quanzhou  
City, 362200 Fujian Province, China

## CELOPRE

**1544507** 25/05/2020

Class 1. Cellulose ethers for industrial purposes; starch for industrial purposes; cellulose; cellulose esters for industrial purposes; cellulose derivatives [chemicals]; glucosides; celluloid.

Celotech chemical Co., Ltd, Room 101, Complex Building North, Second, Floor, No. 48 Zoumatang Road, Mudu, 215000 Wuzhongqu, Suzhou, Jiangsu, China

Representative: Chofn Intellectual Property, Room 1217, Zuoan Gongshe Plaza 12th Floor, 68 North Fourth Ring Road W., Haidian, Beijing, 100080, China



**1545220** 28/01/2020

Class 33. Ciders.

ENVASADOS EVA S.A., P.I. Num. 18, E-31870 LECUMBERRI - NAVARRA, Spain

Representative: MARI ANGELS CASTELLET I TORNE (BERMEJO & JACOBSEN PATENTES-MARCAS SL), Av. de Europa, 14, E-28108 Alcobendas (Madrid), Spain



**1545900** 29/04/2020

Class 7. Shock absorber plungers [parts of machines], industrial shock absorbers for machines.  
Class 12. Motor vehicles, shock absorbers for land vehicles and shock absorbers for trucks and busses.

GEREP Maschinenbau GmbH, Alter Postweg 10, 29556 Suderburg, Germany

Representative: Rechtsanwälte SPRINGER & KOLLEGEN, Schillerstr. 3+8, 29525 Uelzen, Germany

## International Trade Marks protected in the State

**1342283** (2412) Cl. 1, 35  
KALEKIM KIMYEVI MADDELER  
SANAYI VE TICARET ANONIM SIRKETI  
of Turkey

**1432850** (2412) Cl. 21  
Obshchestvo s ogranichennoi  
otvetstvennost'yu "AURUM" of Russian  
Federation

**1473087** (2406) Cl. 33  
"WINE INTERNATIONAL PROJECT"  
O.O.O. of Republic of Moldova

**1478756** (2412) Cl. 9, 35, 36, 38, 41, 42  
MGL MY.COM (CYPRUS) LIMITED of Cyprus

**1479047** (2412) Cl. 1  
Sigma-Aldrich Chemie GmbH of Switzerland

**1484014** (2412) Cl. 35, 41, 44  
INSTITUT DE FORMATION A LA SOPHROLOGIE of France

**1490020** (2412) Cl. 10  
Formula One Licensing B.V. of The Netherlands

**1493948** (2412) Cl. 9  
Eta Vision, Inc. of United States of America

**1493959** (2412) Cl. 9  
Eta Vision, Inc. of United States of America

**1506871** (2412) Cl. 10, 12, 17, 19, 20, 21, 25, 28  
AMORIM CORK COMPOSITES, S.A. of Portugal

**1507546** (2412) Cl. 9, 35, 38, 42  
DALKIA of France

**1513348** (2412) Cl. 9, 14, 18, 25  
LOUIS VUITTON MALLETTIER of France

**1513374** (2412) Cl. 9, 14, 18, 25  
LOUIS VUITTON MALLETTIER of France

**1516866** (2412) Cl. 30  
SOREMARTEC S.A. of Luxembourg

**1517674** (2412) Cl. 32  
Proizvodno uslužno preduzeće Export-Import "FLUIDI" doo of Serbia

**1517711** (2412) Cl. 10  
Cook Medical Technologies LLC of United States of America

**1517746** (2412) Cl. 25  
Board of Regents of the University of Nebraska of United States of America

**1517747** (2412) Cl. 16  
SOCIETE BIC of France

**1517933** (2412) Cl. 3  
EKWESTREL CORP of United States of America

**1518185** (2412) Cl. 17  
MLT - MINET LACING TECHNOLOGY S.A. of France

**1518234** (2412) Cl. 17  
MLT - MINET LACING TECHNOLOGY S.A. of France

**1518672** (2412) Cl. 30  
Christian Johannes Coenen of Australia

**1518673** (2412) Cl. 29, 30, 32, 43  
Obshchestvo s ogranichennoy otvetstvennostyu "ART FUD" of Russian Federation

**1518953** (2412) Cl. 6  
Alumax composite material (Jiangyin) Co., Ltd of China

**1519028** (2412) Cl. 9, 38, 42  
SHENZHEN YUN ZHONG FEI NETWORK TECHNOLOGY CO., LTD. of China

**1519185** (2412) Cl. 35, 41, 42  
The Scale Factory Limited of United Kingdom

**1519315** (2412) Cl. 9, 16, 18, 25, 28, 41  
Perfect World Holding Group Co., Ltd. of China

**1519471** (2412) Cl. 32, 33  
VINADEIS of France

**1519556** (2412) Cl. 3, 9, 18, 25  
Gertrud AG of Switzerland

**1519640** (2412) Cl. 43  
Jiangsu Qixintian Chain Restaurant Management Co.,Ltd. of China

**1519851** (2412) Cl. 9, 16, 18, 25, 28, 41  
Perfect World Holding Group Co., Ltd. of China

**1519919** (2412) Cl. 19, 20, 21  
Naber Holding GmbH & Co. KG of Germany

**1520402** (2412) Cl. 5  
GALENIKA FITOFARMACIJA a.d. of Serbia

**1520407** (2412) Cl. 5  
GALENIKA FITOFARMACIJA a.d. of Serbia

**1520418** (2412) Cl. 5  
GALENIKA FITOFARMACIJA a.d. of Serbia

**1520423** (2412) Cl. 5  
GALENIKA FITOFARMACIJA a.d. of Serbia

**1520427** (2412) Cl. 5  
GALENIKA FITOFARMACIJA a.d. of Serbia

**1520466** (2412) Cl. 42  
Bank of America Corporation of United States of America

**1520768** (2412) Cl. 9, 16, 35, 38, 41, 42  
Ausmed Education Pty Ltd of Australia

**1520772** (2412) Cl. 44  
SANIDENT S.R.L. of Italy

**1521058** (2412) Cl. 14  
Aktiv Optik & Akustik GmbH of Germany

**1521339** (2412) Cl. 42  
Bank of America Corporation of United States of America

**1521777** (2412) Cl. 5  
Firebrick Pharma Pty Ltd of Australia

**1522083** (2412) Cl. 18, 25, 35  
EP YAYING FASHION GROUP CO., LTD of China

**1522151** (2412) Cl. 35  
Philip Morris Products S.A. of Switzerland

**1522323** (2412) Cl. 28  
NINGBO VIGA INTERNATIONAL CO.,LTD. of China

**1522413** (2412) Cl. 31, 32, 34  
Individual entrepreneur Bogatyrev Vasily Alexandrovich of Russian Federation

**1522570** (2412) Cl. 7, 12  
SHANDONG CREATEK TECHNOLOGY CO., LTD. of China

**1522638** (2412) Cl. 17, 20, 35, 42  
MARTEX S.P.A. of Italy

**1522677** (2412) Cl. 9, 16, 18, 25, 28, 41  
Perfect World Holding Group Co., Ltd. of China

**1522832** (2412) Cl. 7  
Sun Xueqi of China

**1522896** (2412) Cl. 36  
KIA MOTORS CORPORATION of Republic of Korea

**1522915** (2412) Cl. 38  
KIA MOTORS CORPORATION of Republic of Korea

**1522994** (2412) Cl. 5, 32  
Anhui Panpan Foods Co., Ltd. of China

**1523003** (2412) Cl. 9, 35  
Realme Chongqing Mobile Telecommunications Corp., Ltd. of China

**1523129** (2412) Cl. 9, 37, 42  
BrainBox AI Inc. of Canada

**1523243** (2412) Cl. 5  
QILU PHARMACEUTICAL CO., LTD. of China

**1523264** (2412) Cl. 6, 7, 9, 16, 19, 20, 21, 35, 37, 38, 41, 42  
SULO Umwelttechnik GmbH of Germany

**1523532** (2412) Cl. 9  
GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD. of China

## **Cancellations effected for the following goods/services under the Madrid protocol**

**1416645 ZOZO**

Goods/Services remaining:

Class 3.

Antistatic preparations for household purposes; degreasing preparations for household purposes; rust removing preparations; stain removing benzine; laundry bleaching preparations; shoe cream; shoe polish; polishing preparation.

Class 14.

Semi-wrought precious stones and their limitations; prize cups; commemorative shields; ornaments of precious metal; ornaments in the nature of jewelry.

Class 18.

Handbag frames; purse frames; industrial packaging containers of leather; umbrellas; walking sticks; canes; metal parts of canes and walking sticks; handles for walking-sticks; saddlery; leather straps; unworked or semi-worked leather; fur.

Class 24.

Woven fabrics; woven textile goods for personal use, namely towels of textile, handkerchiefs, bath linen; mosquito nets; bedsheets; futon quilts; quilt covers for futon; futon ticks (unstuffed futon); pillowcases; bed blankets; table napkins of textile; dish towels for drying; toilet seat covers of textile; seat covers of textile; wall hangings of textile; curtains; table cloths (not of paper); draperies (thick drop curtains).

Class 26.

Tapes [haberdashery]; ribbons; armbands for holding sleeves; artificial corsages; insignias for wear [not of precious metal]; buckles for clothing [clothing buckles]; badges for wear [not of precious metal]; brooches for clothing; special sash clips for obi [obi-dome]; bonnet pins [not of precious metal]; ornamental adhesive patches for jackets; brassards; hair ornaments; buttons; shoe ornaments [not of precious metal]; shoe eyelets; shoe laces; metal fasteners for shoes and boots.

Class 45.

Consultation and advice about personal fashion; providing information relating to fashion coordination services for individuals using the homepage and the bulletin board system that is accessible with a computer terminal or portable telephone; providing information relating to fashion coordination services for individuals; providing information relating to fashion coordination services for individuals concerning color analysis for wardrobe and fashion selection; online social networking and introduction services by means of a website that allows users to search for and connect with other users; marriage partner introduction and dating services; Internet-based social introduction services using the bulletin board system; providing information relating to fashion coordination services by introducing the outfits or fashion style of celebrities; investigation or surveillance services for checking personal background profiles; providing information in the field of fortune-telling; providing non-therapeutic counseling in the field of personal development rendered to meet the needs of individuals; rental of clothing; rental of personal ornaments for wearing, namely, jewelry.

Date of Recordal of Cancellation:

11/06/2020

**1444914 MM MAXIMILIAN MÜNCHEN**

Goods/Services remaining:

Class 3.

Perfumery; cosmetics; soaps; hair lotions.

Class 9.

Sunglasses; cases for sunglasses; smart watches; covers for tablet computers; covers for smart phones.

Class 14.

Clocks; horological instruments; precious metals and their alloys; jewellery; costume jewellery; precious stones; decorative beads; coins; medals; watch bands; bracelets [jewellery]; dials for watches.

Class 18.

Small leather goods, namely card cases [notecases], identity card cases, purses,

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                | <p>key cases, luggage label holders, pouches, chest pouches, straps, leashes, laces; pocket wallets; wallets; travelling trunks; valises; travelling bags; panniers, namely panniers for watches; rucksacks; handbags; shopping bags; attaché cases; bags for sports; sports bags; umbrellas; parasols; packaging material, namely containers, pouches, sleeves and bags of leather and imitation leather; none of the aforementioned goods made of fur or artificial fur.</p> <p>Class 25.</p> <p>Clothing; headgear; footwear.</p> <p>Date of Recordal of Cancellation: 10/06/2020</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                |
| <b>1453286</b> | <p>wework</p> <p>Goods/Services remaining:</p> <p>Class 35.</p> <p>Incubation services, namely, providing work space containing business equipment and other office amenities in the nature of a receptionist, meeting rooms, a mailroom, printing center, kitchen, and telecommunications equipment, all for business purposes to emerging, start-up and existing companies; providing facilities for business meetings and business events; business operation of commercial real estate, offices and office space for others; providing shared office space containing business equipment and other office amenities in the nature of a receptionist, meeting rooms, a mailroom, printing center, kitchen, and telecommunications equipment, all for business purposes to emerging, start-up and existing companies; providing coworking facilities for business meeting purposes.</p> <p>Class 36.</p> <p>Real estate services, namely, leasing of office space and real estate; rental of office space; rental of shared office space.</p> <p>Class 43.</p> <p>Providing food and beverage services; providing meeting room services in the nature of rental of meeting rooms and conference rooms.</p> <p>Date of Recordal of Cancellation: 15/06/2020</p> | <p><b>1406752</b> eMAG</p> <p>Goods/Services remaining:</p> <p>Class 9.</p> <p>Computer systems, namely, silicon based microprocessors, servers, and software for operating computing systems used in datacenters and cloud computing.</p> <p>Date of Recordal of Cancellation: 25/06/2020</p> |
|                | <p><b>1428207</b> BLUECREST</p> <p>Goods/Services remaining:</p> <p>Class 7.</p> <p>Sorting machines in the nature of envelope-sorting machines; high volume sorting machines in the nature of envelope-sorting machines; inserting machines in the nature of envelope-inserting machines; high volume inserting machines in the nature of envelope-inserting machines.</p> <p>Class 9.</p> <p>Printers in the nature of high-speed inkjet document and envelope printers; high volume high-speed printers in the nature of inkjet document and envelope printers; software for high-speed printers in the nature of recorded computer operating printer software; software for sorting machines in the nature of recorded computer operating sorting machine software; software for inserting machines in the nature of recorded computer operating inserting machine software.</p> <p>Date of Recordal of Cancellation: 22/06/2020</p>                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                |
|                | <p><b>1368509</b> Cosméflore</p> <p>Goods/Services remaining:</p> <p>Class 5.</p> <p>Pharmaceutical products; dietetic foods for medical use; dietary substances for medical use; dietetic foodstuffs for veterinary use; food for babies; food supplements; medicinal herbs; herbal teas.</p> <p>Class 30.</p> <p>Honey; biscuits, cookies; cakes; sugar confectionery; cocoa-based beverages; coffee-based beverages; tea-based beverages.</p> <p>Class 31.</p> <p>Agricultural and aquaculture products, horticultural and forestry products;</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                |

seeds (grains); natural plants; natural flowers; shrubs; plants; seedlings; trees (plants).

Class 32.

Fruit-based beverages; fruit juices; preparations for making beverages; fruit nectars.

Date of Recordal of Cancellation:  
04/04/2018