



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

**Iml. 95**

**Cill Chainnigh 15 April 2020**

**Uimh. 2409**

### **CLÁR INNSTE**

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

**Cuid I**  
**Paitinní agus Dearachtaí**

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**No. 2409**

**Wednesday, 15 April, 2020**

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| <p>In this Part of the Journal, a reference to a section is to a section of the Patents Act, 1992 unless otherwise stated.</p> |
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## Official Notice

### **“Office Closure Extended to 5 May 2020” Disruption arising from public health concerns and COVID 19**

*Patents Rules 1992 - Rule 77 and Rule 78*

In accordance with Rules 77 and 78 of the Patents Rules 1992 the Controller hereby gives notice that the Intellectual Property Office of Ireland will remain closed for the transaction of business with the public until 5 May 2020 inclusive. Consequently, the days between 13 March and 5 May are deemed to be "excluded days" for all purposes under the Acts and Rules.

Rule 78 provides that whenever the last day fixed by the Act, or by these Rules, for doing any act or thing at the Office falls on any of the days on which the Office is not open to the public (which days shall be excluded days for the purposes of the Act and these Rules), it shall be lawful to do any such act or thing on the first day which is not an excluded day next following such excluded day, or days, if two or more of them occur consecutively.

Following the introduction of measures aimed at controlling the spread of the COVID 19 virus, IPOI staff working remotely will continue to maintain all of its online and e-services, including e-filing of applications, electronic fee payments and email enquiries during normal working hours, until further notice.

Please note that IPOI staff will not be able to deal with telephone enquiries. From Monday 30 March, all enquiries should be made by email and directed to the following email address until further notice: [ipinfo@ipoi.gov.ie](mailto:ipinfo@ipoi.gov.ie)

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### **Register of Patent Agents Examination in Law & Practice of Patents**

In light of recent public health advice regarding Covid-19, a decision has been made to defer the Law & Practice of Trade Marks examination scheduled for 21st April and the Law & Practice of Patents examination scheduled for 22nd April.

It is proposed to re-schedule the examinations in the Autumn. The new examination dates will be advertised along with the deadline for receipt of applications in due course.

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## **Applications for Patents**

### **From 20/03/2020 to 26/03/2020**

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.

SCANLON DAIRE A Pharmacy Prescription Processing System 25 March 2020 **S20200049**

DEXMONT ALEJANDRO PENA CARRILLO Automated Object Classification **S20200048**  
System 20 March 2020

PALLIARE LIMITED "A device and a method for minimising the dispersal of **S20200050**  
pathogens into the environment during insufflating of a cavity in a subject" 26 March  
2020

## 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>S20180343</b> | CHENGDU PU LAI EN TECHNOLOGY CO., LTD., Metal ion chelating agent aminotrimethyle-nephosphonic acid production plant. 09 October 2018. Int. Cl. (2020.01) <b>B01J 8/00; C02F 5/00; C07F 9/00.</b>                       |
|             | <b>S20180346</b> | CHENGDU BO LUO KE TECHNOLOGY CO., LTD., Crosslinking agent benzoyl peroxide production plant. 10 October 2018. Int. Cl. (2020.01) <b>C07C 407/00.</b>                                                                   |
|             | <b>S20180347</b> | CHENGDU BO LUO KE TECHNOLOGY CO., LTD., Antioxidant synergist dihydroxysuccinic acid production plant. 10 October 2018. Int. Cl. (2020.01) <b>C07C 51/00.</b>                                                           |
|             | <b>S20180349</b> | CHENGDU BO LUO KE TECHNOLOGY CO., LTD., Curing accelerator o-sulfonyl benzamide production plant. 10 October 2018. Int. Cl. (2020.01) <b>B01J 8/00; C07D 275/00.</b>                                                    |
|             | <b>S20180350</b> | CHENGDU BO LUO KE TECHNOLOGY CO., LTD., Sweetener cyclohexyl sulfamic acid production plant. 10 October 2018. Int. Cl. (2020.01) <b>B01J 19/00; B01J 8/00; C07C 307/00.</b>                                             |
|             | <b>S20180351</b> | CHENGDU BO LUO KE TECHNOLOGY CO., LTD., Sweetener cyclohexylammonium sulfate production plant. 10 October 2018. Int. Cl. (2020.01) <b>B01J 8/00; C07C 303/00.</b>                                                       |
|             | <b>S20180352</b> | CHENGDU BO LUO KE TECHNOLOGY CO., LTD., Antibacterial drug 2,4-hexadienic acid production plant. 10 October 2018. Int. Cl. (2020.01) <b>C07C 51/00; C07C 57/00.</b>                                                     |
|             | <b>S20180355</b> | CHENGDU BO LUO KE TECHNOLOGY CO., LTD., Preservative oxyethylene higher aliphatic alcohol production plant. 10 October 2018. Int. Cl. (2020.01) <b>B01J 19/00; C08G 65/00.</b>                                          |
|             | <b>S20180356</b> | CHENGDU BO LUO KE TECHNOLOGY CO., LTD., Thickener polygalacturonic acid production plant. 10 October 2018. Int. Cl. (2020.01) <b>C08B 37/00; A23L 29/00.</b>                                                            |
|             | <b>S20180357</b> | CHENGDU BO LUO KE TECHNOLOGY CO., LTD., Thickener agar production plant. 10 October 2018. Int. Cl. (2020.01) <b>C08B 37/00.</b>                                                                                         |
|             | <b>S20180359</b> | CHENGDU BO LUO KE TECHNOLOGY CO., LTD., Synthetic pigment 1-(4'-sulfo-1*-naphthylazo)-2-naphthol-6,8-disulfonic acid trisodium salt production plant. 10 October 2018. Int. Cl. (2020.01) <b>B01J 8/00; C09B 29/00.</b> |

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- S20180360** CHENGDU BO LUO KE TECHNOLOGY CO., LTD., Azo-type acid dye 1-(4-sulfophenyl)-4-(4-sulfonic acid phenylazo)-5-pyrazolone-3-carboxylic acid trisodium salt production plant. 10 October 2018. Int. Cl. (2020.01) **C09B 29/00; C09B 67/00; C07D 231/00.**
- S20180361** CHENGDU MO NI TA TECHNOLOGY CO., LTD., Synthetic tanning agent no.29 production plant. 12 October 2018. Int. Cl. (2020.01) **B01J 19/00; C14C 3/00.**
- S20180362** CHENGDU MO NI TA TECHNOLOGY CO., LTD., Corrosion inhibitor hydrolyzed polymaleic anhydride production plant. 12 October 2018. Int. Cl. (2020.01) **B01J 19/00; C02F 5/00.**
- S20180363** CHENGDU MO NI TA TECHNOLOGY CO., LTD., Flocculant polymeric aluminum production plant. 12 October 2018. Int. Cl. (2020.01) **B01D 21/00; B01J 19/00; C01F 7/00.**
- S20180364** CHENGDU MO NI TA TECHNOLOGY CO., LTD., Coagulant polyferric sulfate production plant. 12 October 2018. Int. Cl. (2020.01) **B01J 8/00; C01G 49/00; C02F 1/00.**
- S20180365** CHENGDU MO NI TA TECHNOLOGY CO., LTD., Coagulant anhydrous ammonium sulphate production plant. 12 October 2018. Int. Cl. (2020.01) **B01J 8/00; C01C 1/00; C02F 1/00.**
- S20180366** CHENGDU MO NI TA TECHNOLOGY CO., LTD., Adsorbent cationic polyacrylamide production plant. 12 October 2018. Int. Cl. (2020.01) **B01J 19/00; B01J 20/00; B01J 8/00; C02F 1/00.**
- S20180367** CHENGDU MO NI TA TECHNOLOGY CO., LTD., Water treatment agent starch graft copolymer production plant. 12 October 2018. Int. Cl. (2020.01) **C02F 1/00; C08F 2/00; C08F 251/00.**
- S20180368** CHENGDU MO NI TA TECHNOLOGY CO., LTD., Emulsion dispersant 2-sodium acrylate homopolymer production plant. 12 October 2018. Int. Cl. (2020.01) **B01J 8/00; C08F 120/00.**
- S20180369** CHENGDU MO NI TA TECHNOLOGY CO., LTD., Antistatic agent dodecyl benzyl trimethyl ammonium chloride production plant. 12 October 2018. Int. Cl. (2020.01) **B01J 19/00; C07C 209/00; C11D 1/00.**
- S20180370** CHENGDU MO NI TA TECHNOLOGY CO., LTD., Fungicide diclofen drugs production plant. 12 October 2018. Int. Cl. (2020.01) **B01J 19/00; C07C 37/00; C07C 39/00; A01N 47/00.**
-

## 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. 12/20, dated 18<sup>th</sup> March 2020

|         |                                                                                  |            |         |            |        |
|---------|----------------------------------------------------------------------------------|------------|---------|------------|--------|
| 1320211 | iAd Gesellschaft für Informatik,<br>Automatisierung und Datenverarbeitung<br>mbH | 13/12/2002 | 1320211 | 02027968.3 | German |
| 1359634 | Johnson Matthey Fuel Cells Limited                                               | 16/04/2003 | 1359634 | 03252423.3 |        |
| 1444861 | Pompei, Frank Joseph                                                             | 09/10/2002 | 1444861 | 02789181.1 |        |
| 1447920 | AIRGAIN, INC.                                                                    | 31/10/2002 | 1447920 | 02782048.9 |        |
| 1487365 | Salient Surgical Technologies, Inc.                                              | 27/03/2003 | 1487365 | 03716912.5 |        |
| 1502065 | Durr Systems, Inc.                                                               | 25/03/2003 | 1502065 | 03750024.6 |        |
| 1594033 | Microsoft Technology Licensing, LLC                                              | 08/04/2005 | 1594033 | 05102765.4 |        |
| 1595224 | Strider Labs, Inc.                                                               | 10/11/2003 | 1595224 | 03796382.4 |        |
| 1631378 | GRUPO PETROTEMEX, S.A. DE<br>C.V.                                                | 26/05/2004 | 1631378 | 04753409.4 |        |
| 1668189 | Reardon, Angus                                                                   | 16/08/2004 | 1668189 | 04761134.8 |        |
| 1686934 | Vivex Biologics Group, Inc.                                                      | 04/11/2004 | 1686934 | 04810414.5 |        |
| 1690423 | InterDigital VC Holdings, Inc.                                                   | 01/12/2004 | 1690423 | 04813479.5 |        |
| 1709110 | Synbra Propor B.V.                                                               | 30/01/2004 | 1709110 | 04706883.8 |        |
| 1761206 | J.W. Medical Systems Ltd.                                                        | 23/06/2005 | 1761206 | 05778125.4 |        |
| 1762821 | Institut Straumann AG                                                            | 20/10/2003 | 1762821 | 06012110.0 | German |
| 1764856 | Metabowerke GmbH                                                                 | 01/09/2006 | 1764856 | 06018305.0 | German |
| 1769399 | Sling Media L.L.C.                                                               | 07/06/2005 | 1769399 | 05758509.3 |        |
| 1787482 | Cisco Technology, Inc.                                                           | 30/08/2005 | 1787482 | 05792496.1 |        |
| 1831650 | Micro Motion, Inc.                                                               | 30/12/2004 | 1831650 | 04816042.8 |        |
| 1849276 | QUALCOMM INCORPORATED                                                            | 06/02/2006 | 1849276 | 06720419.8 |        |
| 1876401 | DAIKIN INDUSTRIES, LTD.                                                          | 03/04/2006 | 1876401 | 06731015.1 |        |
| 1879154 | Giesecke+Devrient Currency<br>Technology GmbH                                    | 04/07/2007 | 1879154 | 07013113.1 | German |
| 1884462 | The Boeing Company                                                               | 25/07/2007 | 1884462 | 07252944.9 |        |
| 1891810 | NTT DoCoMo, Inc.                                                                 | 25/05/2006 | 1891810 | 06771414.7 |        |
| 1906461 | OSRAM Opto Semiconductors GmbH                                                   | 21/08/2007 | 1906461 | 07016389.4 | German |



| <i>(15/04/2020)</i> |                                                                      | <i>Journal of the Intellectual Property Office of Ireland</i> |         | <i>(No. 2409)</i> |        |
|---------------------|----------------------------------------------------------------------|---------------------------------------------------------------|---------|-------------------|--------|
| 1928620             | Ningxia Orient Tantalum Industry Co., Ltd.                           | 27/01/2006                                                    | 1928620 | 06705605.1        |        |
| 1933714             | The Regents of the University of California                          | 21/09/2006                                                    | 1933714 | 06815161.2        |        |
| 1936362             | F.HOFFMANN-LA ROCHE AG                                               | 20/12/2006                                                    | 1936362 | 06026395.1        | German |
| 1938088             | Galatea Ltd.                                                         | 21/08/2006                                                    | 1938088 | 06795716.7        |        |
| 1954355             | Vyair Medical Consumables LLC                                        | 29/11/2006                                                    | 1954355 | 06838525.1        |        |
| 1963821             | Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V. | 08/12/2006                                                    | 1963821 | 06841313.7        | German |
| 1981426             | LENSAR, Inc.                                                         | 19/01/2007                                                    | 1981426 | 07718259.0        |        |
| 2004400             | Alcan Packaging Flexible France                                      | 11/04/2007                                                    | 2004400 | 07760504.6        |        |
| 2012707             | Zeltiq Aesthetics, Inc.                                              | 27/04/2007                                                    | 2012707 | 07761461.8        |        |
| 2016728             | Telefonaktiebolaget LM Ericsson (publ)                               | 03/04/2007                                                    | 2016728 | 07748373.3        |        |
| 2019818             | DPx Holdings B.V.                                                    | 23/05/2007                                                    | 2019818 | 07725462.1        |        |
| 2029772             | Koninklijke Philips N.V.                                             | 24/05/2007                                                    | 2029772 | 07766638.6        |        |
| 2067079             | Union Carbide Chemicals & Plastics Technology LLC                    | 21/09/2006                                                    | 2067079 | 06815115.8        |        |
| 2070276             | Orange                                                               | 24/09/2007                                                    | 2070276 | 07848368.2        | French |
| 2072752             | IFP Energies nouvelles                                               | 01/12/2008                                                    | 2072752 | 08291136.3        | French |
| 2073621             | Väderstad Holding AB                                                 | 04/10/2007                                                    | 2073621 | 07820920.2        |        |
| 2084702             | SUPERSONIC IMAGINE                                                   | 25/10/2007                                                    | 2084702 | 07866491.9        | French |
| 2087414             | Microsoft Technology Licensing, LLC                                  | 19/10/2007                                                    | 2087414 | 07863434.2        |        |
| 2090120             | QUALCOMM Incorporated                                                | 26/11/2007                                                    | 2090120 | 07864790.6        |        |
| 2092666             | Samsung Electronics Co., Ltd.                                        | 13/12/2007                                                    | 2092666 | 07851479.1        |        |
| 2096454             | INVIVO CORPORATION                                                   | 28/08/2007                                                    | 2096454 | 09007010.3        |        |
| 2099515             | AstraZeneca AB                                                       | 02/01/2008                                                    | 2099515 | 08705181.9        |        |
| 2105949             | Merck Patent GmbH                                                    | 21/12/2007                                                    | 2105949 | 07859927.1        |        |
| 2114385             | LTS LOHMANN Therapie-Systeme AG                                      | 19/01/2008                                                    | 2114385 | 08715656.8        | German |
| 2116907             | Ricoh Company, Ltd.                                                  | 04/05/2009                                                    | 2116907 | 09159333.5        |        |
| 2125004             | CSL Behring GmbH                                                     | 18/12/2007                                                    | 2125004 | 07856831.8        |        |
| 2129952             | Nippon Steel Corporation<br>VALLOUREC OIL AND GAS<br>FRANCE          | 02/04/2008                                                    | 2129952 | 08740067.7        |        |
| 2134395             | Philip Morris Products S.A.                                          | 25/03/2008                                                    | 2134395 | 08744313.1        |        |
| 2135451             | Samsung Electronics Co., Ltd.                                        | 18/03/2008                                                    | 2135451 | 08723561.0        |        |
| 2138971             | Alcatel Lucent                                                       | 26/06/2008                                                    | 2138971 | 08290623.1        |        |

|         |                                                                                                                                                                                                                 |            |         |            |        |
|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------|------------|--------|
| 2140098 | Halliburton Energy Services Inc.                                                                                                                                                                                | 11/04/2008 | 2140098 | 08745667.9 | German |
| 2140654 | fm marketing gmbh                                                                                                                                                                                               | 28/03/2008 | 2140654 | 08734866.0 |        |
| 2144080 | National Institute of Information and Communications Technology                                                                                                                                                 | 31/03/2008 | 2144080 | 08739940.8 |        |
| 2144498 | The University Court Of The University Of St Andrews                                                                                                                                                            | 07/04/2008 | 2144498 | 08719090.6 |        |
| 2147531 | Cisco Technology, Inc.                                                                                                                                                                                          | 23/05/2008 | 2147531 | 08754700.6 |        |
| 2151944 | Samsung Electronics Co., Ltd.                                                                                                                                                                                   | 05/08/2009 | 2151944 | 09167229.5 |        |
| 2156025 | Plastic Omnium Advanced Innovation and Research                                                                                                                                                                 | 15/05/2008 | 2156025 | 08759611.0 |        |
| 2161409 | General Electric Company                                                                                                                                                                                        | 28/08/2009 | 2161409 | 09168948.9 |        |
| 2162386 | The Administrators of the Tulane Educational Fund                                                                                                                                                               | 02/06/2008 | 2162386 | 08826333.0 |        |
| 2165168 | Wisconsin Alumni Research Foundation                                                                                                                                                                            | 24/06/2008 | 2165168 | 08843925.2 |        |
| 2165219 | Halliburton Energy Services Inc.                                                                                                                                                                                | 11/07/2007 | 2165219 | 07836048.4 |        |
| 2166688 | Qualcomm Incorporated                                                                                                                                                                                           | 24/10/2003 | 2166688 | 10150226.8 |        |
| 2167071 | Wayne State University Board Of Governors<br>Phase V. Pharmaceuticals, Inc.                                                                                                                                     | 13/06/2008 | 2167071 | 08770940.8 |        |
| 2175977 | GRUPO PETROTEMEX, S.A. DE C.V.                                                                                                                                                                                  | 07/07/2008 | 2175977 | 08826317.3 |        |
| 2176762 | Microsoft Technology Licensing, LLC                                                                                                                                                                             | 16/06/2008 | 2176762 | 08771213.9 |        |
| 2178050 | Samsung Electronics Co., Ltd.                                                                                                                                                                                   | 22/06/2009 | 2178050 | 09163369.3 |        |
| 2179254 | Micro Motion, Inc.                                                                                                                                                                                              | 30/07/2007 | 2179254 | 07840578.4 |        |
| 2181439 | Johnsen, Asle Ingmar                                                                                                                                                                                            | 07/08/2008 | 2181439 | 08793899.9 |        |
| 2186699 | Mitsubishi Logisnext Co., Ltd.                                                                                                                                                                                  | 22/07/2008 | 2186699 | 08791722.5 |        |
| 2187894 | The Henry M. Jackson Foundation for the Advancement of Military Medicine, Inc.<br>The Government of the United States of America as represented by the Secretary of the Department of Health and Human Services | 18/08/2008 | 2187894 | 08835075.6 |        |
| 2188521 | Ecole Polytechnique Fédérale de Lausanne (EPFL)                                                                                                                                                                 | 12/09/2008 | 2188521 | 08807625.2 |        |
| 2192369 | Yang, Tai-Her                                                                                                                                                                                                   | 15/10/2009 | 2192369 | 09252419.8 |        |

| (15/04/2020) |                                                                     | <i>Journal of the Intellectual Property Office of Ireland</i> |         | (No. 2409) |        |
|--------------|---------------------------------------------------------------------|---------------------------------------------------------------|---------|------------|--------|
| 2195539      | Emerson Climate Technologies, Inc.                                  | 08/10/2008                                                    | 2195539 | 08837095.2 |        |
| 2198165      | Emerson Climate Technologies, Inc.                                  | 08/10/2008                                                    | 2198165 | 08836944.2 |        |
| 2198286      | HalfWave AS                                                         | 09/09/2008                                                    | 2198286 | 08830519.8 |        |
| 2201762      | Polycom, Inc.                                                       | 10/10/2008                                                    | 2201762 | 08837376.6 |        |
| 2203776      | Carl Zeiss Microscopy GmbH                                          | 18/09/2008                                                    | 2203776 | 08802309.8 | German |
| 2204939      | Qualcomm Incorporated                                               | 08/10/2002                                                    | 2204939 | 10004388.4 |        |
| 2205476      | Topcon Positioning Systems, Inc.                                    | 09/09/2008                                                    | 2205476 | 08832561.8 |        |
| 2207201      | Danfoss Silicon Power GmbH                                          | 07/05/2003                                                    | 2207201 | 10003150.9 |        |
| 2207828      | PRC-DESOTO INTERNATIONAL,<br>INC.                                   | 20/08/2008                                                    | 2207828 | 08842053.4 |        |
| 2208042      | Horiba, Ltd.                                                        | 16/10/2008                                                    | 2208042 | 08839834.2 |        |
| 2208938      | Spartherm Feuerungstechnik GmbH                                     | 13/01/2010                                                    | 2208938 | 10000254.2 | German |
| 2210070      | Micro Motion, Inc.                                                  | 08/10/2007                                                    | 2210070 | 07853849.3 |        |
| 2215846      | Signify Holding B.V.                                                | 23/04/2008                                                    | 2215846 | 08737954.1 |        |
| 2227865      | Arbitron Inc.                                                       | 31/12/2008                                                    | 2227865 | 08870324.4 |        |
| 2229635      | Microsoft Technology Licensing, LLC                                 | 12/12/2008                                                    | 2229635 | 08870394.7 |        |
| 2231025      | Smith & Nephew, Inc.                                                | 17/12/2008                                                    | 2231025 | 08863626.1 |        |
| 2232450      | ARCA TECHNOLOGIES S.R.L.                                            | 01/10/2008                                                    | 2232450 | 08837268.5 |        |
| 2233438      | National Institute of Advanced<br>Industrial Science and Technology | 26/12/2008                                                    | 2233438 | 08868415.4 |        |
| 2233910      | SYSMEX CORPORATION                                                  | 25/03/2010                                                    | 2233910 | 10157734.4 |        |
| 2243819      | Idemitsu Kosan Co., Ltd.                                            | 19/01/2009                                                    | 2243819 | 09711298.1 |        |
| 2249540      | Alcatel Lucent                                                      | 04/05/2009                                                    | 2249540 | 09305391.6 |        |
| 2251787      | Accenture Global Services Limited                                   | 01/07/2009                                                    | 2251787 | 09251697.0 |        |
| 2252262      | Dow Global Technologies LLC                                         | 05/01/2009                                                    | 2252262 | 09701830.3 |        |
| 2252974      | General Electric Company<br>GE Healthcare Limited                   | 19/03/2009                                                    | 2252974 | 09721685.7 |        |
| 2256985      | Qualcomm Incorporated                                               | 22/08/2006                                                    | 2256985 | 10177721.7 |        |
| 2264856      | Schneider Electric IT Corporation                                   | 21/01/2005                                                    | 2264856 | 10182336.7 |        |
| 2270448      | The General Hospital Corporation                                    | 08/09/2004                                                    | 2270448 | 10182442.3 |        |
| 2270493      | Kao Corporation                                                     | 10/04/2009                                                    | 2270493 | 09730226.9 |        |
| 2273676      | Intersil Americas LLC                                               | 26/03/2010                                                    | 2273676 | 10158086.8 |        |
| 2275587      | The Trustees of Princeton University                                | 04/09/2002                                                    | 2275587 | 10180588.5 |        |
| 2281406      | Nokia Technologies Oy                                               | 22/05/2008                                                    | 2281406 | 08751308.1 |        |
| 2283642      | Nokia Technologies Oy                                               | 25/05/2009                                                    | 2283642 | 09761847.4 |        |
| 2285423      | MegaPro Biomedical Co., Ltd.                                        | 22/04/2008                                                    | 2285423 | 08734013.9 |        |
| 2285859      | Dow Global Technologies LLC                                         | 05/06/2009                                                    | 2285859 | 09763335.8 |        |

|         |                                                                      |            |         |            |        |
|---------|----------------------------------------------------------------------|------------|---------|------------|--------|
| 2286818 | AstraZeneca AB                                                       | 08/01/2001 | 2286818 | 10180661.0 |        |
| 2288895 | TRW Automotive U.S. LLC                                              | 17/06/2009 | 2288895 | 09767624.1 |        |
| 2289181 | Arris Group, Inc.                                                    | 29/05/2009 | 2289181 | 09755787.0 |        |
| 2290416 | Terumo Kabushiki Kaisha                                              | 09/06/2009 | 2290416 | 09766551.7 |        |
| 2291238 | Eni S.p.a.                                                           | 08/06/2009 | 2291238 | 09761486.1 |        |
| 2299103 | STARTING INDUSTRIAL CO., LTD.                                        | 26/08/2010 | 2299103 | 10174166.8 |        |
| 2299111 | General Electric Company                                             | 23/08/2010 | 2299111 | 10173657.7 |        |
| 2307280 | Saban Ventures Pty Limited                                           | 30/06/2009 | 2307280 | 09797253.3 |        |
| 2310014 | Duquesne University of The Holy Spirit                               | 08/07/2009 | 2310014 | 09795107.3 |        |
| 2312021 | The Swatch Group Research and Development Ltd.                       | 15/10/2009 | 2312021 | 09173198.4 | French |
| 2317175 | Ateliers LR Etanco                                                   | 21/10/2010 | 2317175 | 10188311.4 | French |
| 2320861 | Kao Germany GmbH                                                     | 02/09/2009 | 2320861 | 09778268.4 |        |
| 2322088 | Biosense Webster, Inc.                                               | 30/09/2009 | 2322088 | 11157180.8 |        |
| 2324336 | The Board of Regents of the University of Oklahoma                   | 01/09/2009 | 2324336 | 09812118.9 |        |
| 2327126 | Brose Fahrzeugteile GmbH & Co. Kommanditgesellschaft, Würzburg       | 14/09/2009 | 2327126 | 09748693.0 | German |
| 2332431 | adidas AG                                                            | 01/12/2010 | 2332431 | 10193336.4 |        |
| 2333479 | The Boeing Company                                                   | 06/12/2010 | 2333479 | 10193823.1 |        |
| 2333534 | NGK Insulators, Ltd.                                                 | 26/11/2010 | 2333534 | 10252009.5 |        |
| 2335242 | Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V. | 06/10/2009 | 2335242 | 09752278.3 |        |
| 2335542 | Ringler GmbH                                                         | 16/12/2010 | 2335542 | 10195428.7 | German |
| 2337095 | Cree, Inc.                                                           | 22/11/2000 | 2337095 | 10183656.7 |        |
| 2337096 | Cree, Inc.                                                           | 22/11/2000 | 2337096 | 10183632.8 |        |
| 2337144 | NIPPON STEEL NISSHIN CO., LTD.                                       | 09/10/2009 | 2337144 | 09819265.1 |        |
| 2338106 | Volkswagen Aktiengesellschaft                                        | 14/10/2009 | 2338106 | 09748026.3 | German |
| 2340138 | In-Situ Oilfield Services Limited                                    | 13/08/2009 | 2340138 | 09785481.4 |        |
| 2340449 | Baker Hughes, a GE company, LLC                                      | 13/10/2009 | 2340449 | 09821088.3 |        |
| 2340770 | Bentley InnoMed GmbH                                                 | 30/12/2010 | 2340770 | 10016186.8 | German |
| 2343232 | Trek Bicycle Corporation                                             | 05/01/2011 | 2343232 | 11150268.8 |        |
| 2343795 | Rockwell Automation Technologies, Inc.                               | 10/01/2011 | 2343795 | 11150503.8 |        |
| 2346137 | Teknoware Oy                                                         | 12/01/2011 | 2346137 | 11150716.6 |        |
| 2348658 | LG Electronics Inc.                                                  | 19/11/2009 | 2348658 | 09827744.5 |        |
| 2349652 | Illinois Tool Works Inc.                                             | 01/10/2009 | 2349652 | 09825170.5 |        |

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|--------------|----------------------------------------------------------------------------------------------------------|--------------------------------------------------------|---------|------------|--------|
| 2351370      | Rakuten, Inc.                                                                                            | 22/10/2009                                             | 2351370 | 09749248.2 | German |
| 2351520      | Hitachi, Ltd.                                                                                            | 22/07/2009                                             | 2351520 | 09823392.7 |        |
| 2355647      | Vitro Plus B.V.                                                                                          | 09/11/2009                                             | 2355647 | 09751995.3 |        |
| 2358254      | BSH Hausgeräte GmbH                                                                                      | 09/11/2009                                             | 2358254 | 09752163.7 |        |
| 2361459      | LG Electronics Inc.                                                                                      | 06/01/2010                                             | 2361459 | 10729293.0 |        |
| 2364250      | Packsize, LLC                                                                                            | 12/11/2009                                             | 2364250 | 09826772.7 |        |
| 2364251      | Packsize, LLC                                                                                            | 13/11/2009                                             | 2364251 | 09826874.1 |        |
| 2367400      | Seoul Viosys Co., Ltd                                                                                    | 09/05/2006                                             | 2367400 | 10178811.5 | German |
| 2372097      | United Technologies Corporation                                                                          | 30/03/2011                                             | 2372097 | 11160403.9 |        |
| 2372318      | VEGA Grieshaber KG                                                                                       | 26/03/2010                                             | 2372318 | 10157940.7 |        |
| 2372801      | Cree, Inc.                                                                                               | 22/03/2007                                             | 2372801 | 11170753.5 | French |
| 2373430      | Aptar France SAS                                                                                         | 10/12/2009                                             | 2373430 | 09803833.4 |        |
| 2373821      | Hydroionic Technologies Co. Ltd.                                                                         | 03/12/2009                                             | 2373821 | 09830078.3 |        |
| 2374090      | Siemens Healthcare Diagnostics Inc.                                                                      | 05/01/2010                                             | 2374090 | 10729409.2 | German |
| 2374594      | Wittmann Battenfeld GmbH                                                                                 | 02/04/2011                                             | 2374594 | 11002776.0 |        |
| 2375653      | Qualcomm Incorporated                                                                                    | 09/02/2005                                             | 2375653 | 10175247.5 |        |
| 2377076      | Sensormatic Electronics, LLC                                                                             | 14/10/2009                                             | 2377076 | 09748861.3 |        |
| 2378775      | Sharp Kabushiki Kaisha                                                                                   | 24/12/2009                                             | 2378775 | 09834968.1 |        |
| 2381241      | Sony Corporation                                                                                         | 07/01/2010                                             | 2381241 | 10731280.3 |        |
| 2382903      | Whirlpool Corporation                                                                                    | 27/04/2011                                             | 2382903 | 11163932.4 |        |
| 2383449      | TOYOTA JIDOSHA KABUSHIKI<br>KAISHA                                                                       | 26/01/2009                                             | 2383449 | 09838807.7 |        |
| 2386910      | Ricoh Company, Ltd.                                                                                      | 05/05/2011                                             | 2386910 | 11250505.2 |        |
| 2387929      | Toshiba Lifestyle Products & Services<br>Corporation                                                     | 28/12/2009                                             | 2387929 | 09835075.4 |        |
| 2388615      | Velodyne LiDAR, Inc.                                                                                     | 17/05/2011                                             | 2388615 | 11166432.2 |        |
| 2388672      | United Technologies Corporation                                                                          | 18/05/2011                                             | 2388672 | 11166633.5 |        |
| 2389577      | Zoopole Developpement<br>AFSSA Agence Française Sécurité<br>Sanitaire Aliments<br>Université de Rennes 1 | 25/01/2010                                             | 2389577 | 10701665.1 | French |
| 2391218      | Smartcells, Inc.                                                                                         | 27/01/2010                                             | 2391218 | 10736354.1 |        |
| 2394717      | BANDAI NAMCO Entertainment Inc.                                                                          | 10/06/2011                                             | 2394717 | 11169648.0 |        |
| 2395290      | Mitsubishi Electric Corporation                                                                          | 02/10/2009                                             | 2395290 | 09839694.8 |        |
| 2396186      | Cooper-Standard Automotive, Inc.                                                                         | 10/02/2010                                             | 2396186 | 10741659.6 |        |
| 2396597      | Edwards Limited                                                                                          | 21/01/2010                                             | 2396597 | 10704172.5 |        |
| 2400368      | BlackBerry Limited                                                                                       | 16/11/2010                                             | 2400368 | 10191444.8 |        |

|         |                                                    |            |         |            |        |
|---------|----------------------------------------------------|------------|---------|------------|--------|
| 2401016 | Koninklijke Philips N.V.                           | 22/01/2010 | 2401016 | 10704591.6 |        |
| 2401199 | Carlisle Interconnect Technologies, Inc.           | 25/02/2010 | 2401199 | 10706855.3 |        |
| 2408860 | Dow Silicones Corporation                          | 22/01/2010 | 2408860 | 10701598.4 |        |
| 2410808 | ZTE Corporation                                    | 25/09/2009 | 2410808 | 09841755.3 |        |
| 2411720 | Franklin Fueling Systems Limited                   | 25/03/2010 | 2411720 | 10711460.5 |        |
| 2412837 | Nippon Steel & Sumikin Stainless Steel Corporation | 23/03/2010 | 2412837 | 10756261.3 |        |
| 2415724 | Cdgm Glass Co., Ltd.                               | 16/07/2009 | 2415724 | 09842507.7 |        |
| 2417405 | Carrier Corporation                                | 06/04/2009 | 2417405 | 09776516.8 |        |
| 2417751 | Thales Dis France SA                               | 30/03/2010 | 2417751 | 10711888.7 |        |
| 2420970 | Honeywell International Inc.                       | 28/07/2011 | 2420970 | 11175884.3 |        |
| 2421129 | Rockwell Automation Technologies, Inc.             | 26/05/2011 | 2421129 | 11167696.1 |        |
| 2422161 | Saab AB                                            | 23/04/2009 | 2422161 | 09843739.5 |        |
| 2427049 | Croda, Inc.<br>Croda International PLC             | 05/05/2010 | 2427049 | 10718795.7 |        |
| 2427842 | Johnson & Johnson Surgical Vision, Inc.            | 07/05/2010 | 2427842 | 10717463.3 |        |
| 2427932 | Robert Bosch GmbH                                  | 07/05/2010 | 2427932 | 10717452.6 |        |
| 2428845 | Konica Minolta Business Technologies, Inc.         | 24/08/2011 | 2428845 | 11178618.2 |        |
| 2429098 | LG Electronics Inc.                                | 10/05/2010 | 2429098 | 10772296.9 |        |
| 2429368 | Aktiebolaget Electrolux                            | 30/04/2010 | 2429368 | 10772324.9 |        |
| 2431257 | NSK Ltd.                                           | 14/07/2011 | 2431257 | 11775901.9 |        |
| 2436023 | Thermo Fisher Scientific (Bremen) GmbH             | 27/05/2010 | 2436023 | 10724734.8 |        |
| 2436024 | Thermo Fisher Scientific (Bremen) GmbH             | 27/05/2010 | 2436024 | 10725642.2 |        |
| 2438112 | Rhodia Opérations                                  | 02/06/2010 | 2438112 | 10724477.4 | French |
| 2440158 | Johnson & Johnson Surgical Vision, Inc.            | 10/06/2010 | 2440158 | 10725345.2 |        |
| 2440495 | Zodiac Pool Care Europe                            | 10/06/2010 | 2440495 | 10729939.8 |        |
| 2441419 | Curt G. Joa, Inc.                                  | 11/10/2011 | 2441419 | 11184738.0 |        |
| 2441518 | Stratec Consumables GmbH                           | 26/09/2011 | 2441518 | 11182722.6 |        |
| 2444438 | Zeon Corporation                                   | 15/06/2010 | 2444438 | 10789491.7 |        |
| 2445488 | Indus Biotech Private Limited                      | 30/07/2009 | 2445488 | 09846433.2 |        |
| 2447675 | General Electric Company                           | 26/10/2011 | 2447675 | 11186673.7 |        |

|         |                                                            |            |         |            |        |
|---------|------------------------------------------------------------|------------|---------|------------|--------|
| 2451820 | Momentive Performance Materials Inc.<br>Cornell University | 09/07/2010 | 2451820 | 10744762.5 |        |
| 2453723 | NXP USA, Inc.                                              | 17/10/2011 | 2453723 | 11185452.7 |        |
| 2456325 | Kellogg Europe Trading Limited                             | 22/07/2010 | 2456325 | 10737439.9 |        |
| 2457254 | OSRAM Opto Semiconductors GmbH                             | 16/07/2010 | 2457254 | 10734486.3 | German |
| 2457285 | Thales Nederland B.V.                                      | 23/07/2010 | 2457285 | 10749818.0 |        |
| 2458446 | Hewlett-Packard Development<br>Company, L.P.               | 24/11/2011 | 2458446 | 11190503.0 |        |
| 2458456 | ROLEX SA                                                   | 25/11/2010 | 2458456 | 10405228.7 | French |
| 2458847 | CANON KABUSHIKI KAISHA                                     | 25/10/2011 | 2458847 | 11008561.0 |        |
| 2459356 | Välinge Innovation AB                                      | 08/07/2010 | 2459356 | 10804789.5 |        |
| 2462249 | Anglo Operations Limited                                   | 03/08/2010 | 2462249 | 10752196.5 |        |
| 2462819 | Riedel Filtertechnik GmbH                                  | 16/11/2011 | 2462819 | 11009086.7 | German |
| 2464032 | The Boeing Company                                         | 05/12/2011 | 2464032 | 11191885.0 |        |
| 2466724 | LG Electronics Inc.                                        | 25/11/2011 | 2466724 | 11190779.6 |        |
| 2467763 | Vigilent Corporation                                       | 20/08/2010 | 2467763 | 10810696.4 |        |
| 2468486 | Zehnder Group International AG                             | 23/12/2010 | 2468486 | 10016007.6 | German |
| 2471181 | SEW-EURODRIVE GmbH & Co. KG                                | 11/08/2010 | 2471181 | 10745162.7 | German |
| 2471622 | Ayumi Industry Co., Ltd.                                   | 24/08/2010 | 2471622 | 10811863.9 |        |
| 2473152 | L'Oréal                                                    | 01/09/2010 | 2473152 | 10763794.4 | French |
| 2473707 | Halliburton Energy Services Inc.                           | 31/08/2009 | 2473707 | 09848844.8 |        |
| 2481210 | LEONARDO MW LTD                                            | 31/08/2010 | 2481210 | 10751641.1 |        |
| 2481223 | Nokia Technologies Oy                                      | 19/08/2010 | 2481223 | 10818460.7 |        |
| 2482557 | Panasonic Intellectual Property<br>Management Co., Ltd.    | 24/09/2010 | 2482557 | 10818569.5 |        |
| 2482871 | Fresenius Vial SAS                                         | 29/09/2010 | 2482871 | 10760995.0 | French |
| 2485248 | Sanyo Electric Co., Ltd.<br>ULVAC, Inc.                    | 01/10/2010 | 2485248 | 10820725.9 |        |
| 2485689 | Boston Scientific Scimed, Inc.                             | 08/10/2010 | 2485689 | 10771256.4 |        |
| 2485691 | Eyenovia, Inc.                                             | 15/07/2011 | 2485691 | 11738112.9 |        |
| 2489809 | Hurpin, Patrick                                            | 10/04/2009 | 2489809 | 12002843.6 | French |
| 2490836 | Stolle Machinery Company, LLC                              | 12/10/2010 | 2490836 | 10825415.2 |        |
| 2492289 | Kuraray Noritake Dental Inc.                               | 19/10/2010 | 2492289 | 10824654.7 |        |
| 2492513 | Samsung Electronics Co., Ltd.                              | 31/01/2012 | 2492513 | 12153193.3 |        |
| 2494267 | Current Lighting Solutions, LLC                            | 27/10/2010 | 2494267 | 10779363.0 |        |
| 2495887 | LG Electronics Inc.                                        | 25/10/2010 | 2495887 | 10827033.1 |        |
| 2500143 | Makita Corporation                                         | 20/10/2010 | 2500143 | 10829815.9 |        |

|         |                                       |            |         |            |        |
|---------|---------------------------------------|------------|---------|------------|--------|
| 2502573 | Ethicon Endo-Surgery, Inc.            | 25/07/2006 | 2502573 | 12003957.3 |        |
| 2505266 | Daizo Corporation                     | 25/11/2010 | 2505266 | 10833259.4 |        |
| 2506398 | Mitsubishi Electric Corporation       | 24/11/2009 | 2506398 | 09851626.3 |        |
| 2508929 | Raytheon Company                      | 06/04/2012 | 2508929 | 12163502.3 |        |
| 2511530 | M&M Technologies, Inc.                | 02/06/2003 | 2511530 | 12004389.8 |        |
| 2518410 | BSH Hausgeräte GmbH                   | 24/04/2012 | 2518410 | 12165242.4 | German |
| 2519884 | Canon Kabushiki Kaisha                | 01/11/2010 | 2519884 | 10840826.1 |        |
| 2520434 | Seiko Epson Corporation               | 24/04/2012 | 2520434 | 12165322.4 |        |
| 2520912 | Kurata, Tadao                         | 16/12/2010 | 2520912 | 10840888.1 |        |
|         | Kurata, Sumiko                        |            |         |            |        |
|         | Kurata, Noriko                        |            |         |            |        |
| 2521025 | Huawei Device Co., Ltd.               | 28/01/2011 | 2521025 | 11736644.3 |        |
| 2522382 | Cilag GmbH International              | 03/04/2006 | 2522382 | 12177505.0 |        |
| 2522897 | Koito Manufacturing Co., Ltd.         | 07/05/2012 | 2522897 | 12166944.4 |        |
| 2523567 | Kambouris, Ambrosios                  | 21/12/2010 | 2523567 | 10842778.2 |        |
| 2524461 | Qualcomm Incorporated                 | 14/01/2011 | 2524461 | 11701590.9 |        |
| 2524752 | GBZ Mannheim GmbH & Co. KG            | 11/05/2012 | 2524752 | 12003768.4 | German |
| 2525929 | Magna International Inc.              | 20/01/2011 | 2525929 | 11734284.0 |        |
| 2526062 | Shell Internationale Research         | 21/01/2011 | 2526062 | 11704868.6 |        |
|         | Maatschappij B.V.                     |            |         |            |        |
| 2526135 | Evonik Operations GmbH                | 08/12/2010 | 2526135 | 10788325.8 | German |
| 2527799 | Sensirion AG                          | 25/05/2011 | 2527799 | 11004308.0 |        |
| 2530095 | The Goodyear Tire & Rubber Company    | 25/05/2012 | 2530095 | 12169445.9 |        |
| 2530470 | Hitachi High-Technologies Corporation | 19/01/2011 | 2530470 | 11736747.4 |        |
| 2531749 | Scania CV AB                          | 31/01/2011 | 2531749 | 11737375.3 |        |
| 2532046 | THALES                                | 17/01/2011 | 2532046 | 11701218.7 | French |
| 2532311 | Covidien LP                           | 08/06/2012 | 2532311 | 12171247.5 |        |
| 2533313 | Everlight Electronics Co., Ltd        | 25/05/2012 | 2533313 | 12169512.6 |        |
| 2536884 | Komatsu Kvx LLC                       | 14/02/2011 | 2536884 | 11744945.4 |        |
| 2537578 | Nitto Denko Corporation               | 16/02/2011 | 2537578 | 11744415.8 |        |
| 2539897 | Rambus Inc.                           | 01/12/2010 | 2539897 | 10846798.6 |        |
| 2540621 | Mitsubishi Heavy Industries, Ltd.     | 25/02/2011 | 2540621 | 11747492.4 |        |
| 2541270 | CR Development AB                     | 30/05/2008 | 2541270 | 12184994.7 |        |
| 2541505 | Airbus Helicopters                    | 15/06/2012 | 2541505 | 12004534.9 | French |
| 2543591 | Compagnie Générale des                | 17/12/2010 | 2543591 | 12185383.2 | French |
|         | Etablissements Michelin               |            |         |            |        |
|         | Airbus Operations Limited             |            |         |            |        |



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| 2545137      | BASF SE                                                    | 04/03/2011                                                    | 2545137 | 11708447.5 | German |
| 2547414      | Hydac Filtrertechnik GmbH                                  | 25/01/2011                                                    | 2547414 | 11701024.9 | German |
| 2549287      | Sky Perfect JSAT Corporation                               | 19/03/2010                                                    | 2549287 | 10847942.9 |        |
| 2553212      | TCO AS                                                     | 30/03/2011                                                    | 2553212 | 11763103.6 |        |
| 2554128      | Karl Storz SE & Co. KG                                     | 28/03/2011                                                    | 2554128 | 11762740.6 |        |
| 2557012      | TOYOTA JIDOSHA KABUSHIKI<br>KAISHA                         | 02/06/2011                                                    | 2557012 | 11822855.0 |        |
| 2557371      | Gree Electric Appliances, Inc. of Zhuhai                   | 07/04/2011                                                    | 2557371 | 11765051.5 |        |
| 2558216      | Dow Global Technologies LLC<br>Rohm and Haas Chemicals LLC | 05/04/2011                                                    | 2558216 | 11714892.4 |        |
| 2561289      | AAF-McQuay Inc.                                            | 18/04/2011                                                    | 2561289 | 11717117.3 |        |
| 2566096      | BlackBerry Limited                                         | 23/08/2012                                                    | 2566096 | 12181556.7 |        |
| 2566383      | Emovi Inc.                                                 | 03/05/2011                                                    | 2566383 | 11777049.5 |        |
| 2566538      | SHL Medical AG                                             | 27/04/2011                                                    | 2566538 | 11777649.2 |        |
| 2569707      | Huawei Technologies Co., Ltd.                              | 12/05/2011                                                    | 2569707 | 11781300.6 |        |
| 2572491      | Telefonaktiebolaget LM Ericsson (publ)                     | 17/05/2011                                                    | 2572491 | 11728951.2 |        |
| 2573329      | PRATT & WHITNEY CANADA<br>CORP.                            | 21/09/2012                                                    | 2573329 | 12185416.0 |        |
| 2573571      | SAKURA FINETEK U.S.A., INC.                                | 19/09/2012                                                    | 2573571 | 12185040.8 |        |
| 2574777      | Moventas Gears Oy                                          | 29/09/2011                                                    | 2574777 | 11183279.6 |        |
| 2575364      | BlackBerry Limited                                         | 30/09/2011                                                    | 2575364 | 11183606.0 |        |
| 2576863      | Siemens Aktiengesellschaft                                 | 31/05/2011                                                    | 2576863 | 11723054.0 | German |
| 2576901      | Kemira Oyj                                                 | 24/05/2011                                                    | 2576901 | 11721060.9 |        |
| 2577684      | PRYSMIAN CABLES ET SYSTEMES<br>FRANCE                      | 27/05/2011                                                    | 2577684 | 11727408.4 | French |
| 2578838      | Volvo Car Corporation                                      | 03/10/2011                                                    | 2578838 | 11183658.1 |        |
| 2579453      | Panasonic Corporation                                      | 25/05/2011                                                    | 2579453 | 11786326.6 |        |
| 2579987      | BASF SE                                                    | 10/06/2011                                                    | 2579987 | 11724259.4 | German |
| 2582319      | 3M Innovative Properties Company                           | 06/06/2011                                                    | 2582319 | 11727048.8 |        |
| 2582324      | The Regents of the University of<br>California             | 21/06/2011                                                    | 2582324 | 11798773.5 |        |
| 2583176      | Microsoft Technology Licensing, LLC                        | 03/06/2011                                                    | 2583176 | 11796171.4 |        |
| 2583209      | Siemens Healthcare Diagnostics Inc.                        | 16/05/2011                                                    | 2583209 | 11723361.9 |        |
| 2584342      | Eppendorf AG                                               | 17/10/2011                                                    | 2584342 | 11008334.2 |        |
| 2584683      | Université de Liège                                        | 21/10/2011                                                    | 2584683 | 11186268.6 |        |
| 2585725      | Nord-Lock International AB                                 | 24/06/2011                                                    | 2585725 | 11738016.2 | French |

|         |                                                      |            |         |            |        |
|---------|------------------------------------------------------|------------|---------|------------|--------|
| 2585854 | Varian Medical Systems International AG              | 22/06/2011 | 2585854 | 11797446.9 |        |
| 2588157 | SurModics, Inc.                                      | 30/06/2011 | 2588157 | 11733953.1 |        |
| 2588182 | Research Medical Pty Ltd                             | 10/05/2011 | 2588182 | 11799945.8 |        |
| 2588317 | 3M Innovative Properties Company                     | 27/06/2011 | 2588317 | 11810089.0 |        |
| 2588368 | AeroVironment, Inc.                                  | 29/06/2011 | 2588368 | 11827126.1 |        |
| 2588511 | Dow Global Technologies LLC                          | 29/06/2011 | 2588511 | 11731601.8 |        |
| 2588812 | Steris, Inc.                                         | 29/06/2011 | 2588812 | 11804162.3 |        |
| 2588962 | SanDisk Technologies LLC                             | 23/06/2011 | 2588962 | 11730808.0 |        |
| 2589748 | United Technologies Corporation                      | 29/10/2012 | 2589748 | 12190443.7 |        |
| 2589939 | Panasonic Intellectual Property Management Co., Ltd. | 30/06/2011 | 2589939 | 11800958.8 |        |
| 2590216 | Nichia Corporation                                   | 31/10/2012 | 2590216 | 12190909.7 |        |
| 2592236 | General Electric Company                             | 06/11/2012 | 2592236 | 12191433.7 |        |
| 2592515 | Rockwell Automation Technologies, Inc.               | 12/11/2012 | 2592515 | 12192235.5 |        |
| 2592574 | BlackBerry Limited                                   | 22/06/2012 | 2592574 | 12173135.0 |        |
| 2592929 | Dow AgroSciences LLC                                 | 14/07/2011 | 2592929 | 11738547.6 |        |
| 2593786 | Petroleum Analyzer Company, L.P.                     | 08/07/2011 | 2593786 | 11807318.8 |        |
| 2593881 | Palantir Technologies Inc.                           | 13/07/2011 | 2593881 | 11807426.9 |        |
| 2594258 | Veterinärmedizinische Universität Wien               | 18/11/2011 | 2594258 | 11189706.2 |        |
| 2594834 | Ode S.r.l.                                           | 14/11/2012 | 2594834 | 12007719.3 |        |
| 2594881 | Liebherr-Hausgeräte Lienz GmbH                       | 11/09/2012 | 2594881 | 12006384.7 | German |
| 2594996 | Hewlett-Packard Development Company, L.P.            | 19/11/2012 | 2594996 | 12193253.7 |        |
| 2595054 | Microsoft Technology Licensing, LLC                  | 15/11/2012 | 2595054 | 12192801.4 |        |
| 2595074 | X-Rite Switzerland GmbH                              | 19/10/2012 | 2595074 | 12189150.1 |        |
| 2595319 | Zhao, Dongjing                                       | 14/07/2011 | 2595319 | 11806299.1 |        |
| 2596274 | Voss Automotive GmbH                                 | 24/06/2011 | 2596274 | 11727929.9 | German |
| 2597526 | Hewlett-Packard Development Company, L.P.            | 11/10/2012 | 2597526 | 12188153.6 |        |
| 2598572 | ExxonMobil Chemical Patents Inc.                     | 07/07/2011 | 2598572 | 11732551.4 |        |
| 2598834 | Institut National Polytechnique de Toulouse          | 27/07/2011 | 2598834 | 11738699.5 | French |
| 2602335 | Nippon Steel Corporation                             | 29/07/2011 | 2602335 | 11814559.8 |        |
| 2602561 | Mitsubishi Electric Corporation                      | 04/08/2010 | 2602561 | 10855570.7 |        |
| 2602702 | LG Electronics Inc.                                  | 03/12/2012 | 2602702 | 12008087.4 |        |

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|---------|--------------------------------------------|------------|---------|------------|--------|
| 2602726 | CANON KABUSHIKI KAISHA                     | 26/11/2012 | 2602726 | 12194300.5 |        |
| 2602988 | Brother Kogyo Kabushiki Kaisha             | 03/12/2012 | 2602988 | 12195302.0 |        |
| 2603870 | NIKE Innovate C.V.                         | 09/08/2011 | 2603870 | 11746400.8 |        |
| 2603928 | Emblation Limited                          | 15/07/2011 | 2603928 | 11734169.3 |        |
| 2604779 | Aug. Winkhaus GmbH & Co. KG                | 04/12/2012 | 2604779 | 12195498.6 | German |
| 2605374 | Metabowerke GmbH                           | 13/12/2012 | 2605374 | 12196888.7 | German |
| 2606803 | Copreci, S.Coop.                           | 20/12/2011 | 2606803 | 11382388.4 |        |
| 2607144 | Valeo Siemens eAutomotive Germany GmbH     | 19/12/2011 | 2607144 | 11194290.0 | German |
| 2607930 | Sercel                                     | 22/12/2011 | 2607930 | 11306760.7 |        |
| 2608327 | Menlo Systems GmbH                         | 20/12/2012 | 2608327 | 12008504.8 |        |
| 2609068 | ExxonMobil Chemical Patents Inc.           | 19/07/2011 | 2609068 | 11733870.7 |        |
| 2609259 | Dizenio Inc.                               | 03/08/2011 | 2609259 | 11819222.8 |        |
| 2609799 | Rohde & Schwarz GmbH & Co. KG              | 03/08/2011 | 2609799 | 11749779.2 | German |
| 2609868 | Samsung Medison Co., Ltd.                  | 27/12/2012 | 2609868 | 12199541.9 |        |
| 2611055 | China Mobile Communications Corporation    | 22/07/2011 | 2611055 | 11819368.9 |        |
| 2612154 | Siemens Healthcare Diagnostics Inc.        | 02/09/2011 | 2612154 | 11822732.1 |        |
| 2612161 | Koninklijke Philips N.V.                   | 26/08/2011 | 2612161 | 11763778.5 |        |
| 2612645 | AcelRx Pharmaceuticals, Inc.               | 08/01/2007 | 2612645 | 13161632.8 |        |
| 2613534 | FUJITSU LIMITED                            | 29/10/2007 | 2613534 | 13160711.1 |        |
| 2615326 | Daishowa Seiki Kabushiki Kaisha            | 14/07/2011 | 2615326 | 11823331.1 |        |
| 2617045 | Schleifring GmbH                           | 15/09/2011 | 2617045 | 11767396.2 |        |
| 2617960 | IHI Corporation                            | 12/09/2011 | 2617960 | 11825124.8 |        |
| 2618246 | BlackBerry Limited                         | 19/01/2012 | 2618246 | 12151825.2 |        |
| 2619845 | Robert Bosch GmbH<br>SAMSUNG SDI CO., LTD. | 10/08/2011 | 2619845 | 11758415.1 | German |
| 2620623 | TOYOTA JIDOSHA KABUSHIKI KAISHA            | 24/09/2010 | 2620623 | 10857560.6 |        |
| 2621038 | AI ALPINE US BIDCO INC.                    | 23/01/2013 | 2621038 | 13152345.8 |        |
| 2622033 | 3M Innovative Properties Company           | 23/09/2011 | 2622033 | 11767352.5 |        |
| 2622484 | Microsoft Technology Licensing, LLC        | 14/09/2011 | 2622484 | 11832947.3 |        |
| 2623395 | Mitsubishi Electric Corporation            | 30/09/2010 | 2623395 | 10857842.8 |        |
| 2623473 | Sekisui Chemical Co., Ltd.                 | 30/09/2011 | 2623473 | 11829371.1 |        |
| 2624142 | Fujitsu Limited                            | 29/09/2010 | 2624142 | 10857830.3 |        |
| 2624567 | LG Electronics Inc.                        | 02/09/2011 | 2624567 | 11829495.8 |        |
| 2630477 | Koninklijke Philips N.V.                   | 12/10/2011 | 2630477 | 11778705.1 |        |

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|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------|------------|--------|
| 2630494 | Innobiochips<br>Centre National de la Recherche<br>Scientifique<br>Université de Lille 2 Droit et Santé<br>Université de Lille 1 Sciences et<br>Technologies | 11/10/2011 | 2630494 | 11776563.6 | French |
| 2631255 | Mitsubishi Chemical Corporation                                                                                                                              | 18/10/2011 | 2631255 | 11834363.1 |        |
| 2631582 | Cemex Trademarks Holding Ltd                                                                                                                                 | 22/02/2012 | 2631582 | 12156578.2 |        |
| 2632792 | KK-Module Oy                                                                                                                                                 | 26/10/2011 | 2632792 | 11835694.8 |        |
| 2633662 | Lilee Systems, Ltd                                                                                                                                           | 28/10/2011 | 2633662 | 11837201.0 |        |
| 2634455 | Tsubakimoto Chain Co.                                                                                                                                        | 27/07/2011 | 2634455 | 11835918.1 |        |
| 2634458 | NOK Corporation                                                                                                                                              | 30/06/2011 | 2634458 | 11835909.0 |        |
| 2636973 | Sanhua (Hangzhou) Micro Channel<br>Heat Exchanger Co. Ltd<br>Danfoss A/S                                                                                     | 24/12/2010 | 2636973 | 10859192.6 |        |
| 2637166 | Samsung Medison Co., Ltd.                                                                                                                                    | 19/12/2012 | 2637166 | 12198256.5 |        |
| 2641267 | Intellec Limited                                                                                                                                             | 12/10/2011 | 2641267 | 11773114.1 |        |
| 2641289 | Uchicago Argonne, LLC, Operator Of<br>Argonne National Laboratory                                                                                            | 16/06/2011 | 2641289 | 11841095.0 |        |
| 2641412 | Interdigital Patent Holdings, Inc.                                                                                                                           | 15/11/2011 | 2641412 | 11793575.9 |        |
| 2641988 | Nippon Steel Corporation                                                                                                                                     | 18/11/2011 | 2641988 | 11841233.7 |        |
| 2643054 | Fraunhofer-Gesellschaft zur Förderung<br>der angewandten Forschung e.V.                                                                                      | 23/11/2011 | 2643054 | 11799485.5 | German |
| 2646057 | Lumicell, Inc.                                                                                                                                               | 30/11/2011 | 2646057 | 11844820.8 |        |
| 2648263 | LG Chem, Ltd.                                                                                                                                                | 09/11/2011 | 2648263 | 11845436.2 |        |
| 2648396 | Clarion Co., Ltd.                                                                                                                                            | 04/04/2013 | 2648396 | 13162324.1 |        |
| 2649720 | SEG Automotive Germany GmbH                                                                                                                                  | 16/11/2011 | 2649720 | 11782438.3 | German |
| 2650557 | VE Vienna Engineering Forschungs-<br>und Entwicklungs GmbH                                                                                                   | 05/04/2013 | 2650557 | 13162486.8 | German |
| 2651560 | BJS IP Limited                                                                                                                                               | 16/12/2011 | 2651560 | 11805576.3 |        |
| 2652583 | LG Innotek Co., Ltd.                                                                                                                                         | 10/01/2012 | 2652583 | 12734591.6 |        |
| 2652624 | Bull SAS<br>Commissariat à l'Énergie Atomique et<br>aux Énergies Alternatives                                                                                | 21/11/2011 | 2652624 | 11802488.4 | French |
| 2652935 | Telefonaktiebolaget LM Ericsson (publ)                                                                                                                       | 15/12/2010 | 2652935 | 10807499.8 |        |
| 2653011 | Signify Holding B.V.                                                                                                                                         | 01/12/2011 | 2653011 | 11797155.6 |        |
| 2653953 | CANON KABUSHIKI KAISHA                                                                                                                                       | 18/04/2013 | 2653953 | 13164302.5 |        |

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|--------------|----------------------------------------------------------------|---------------------------------------------------------------|---------|------------|--------|
| 2656546      | British Telecommunications public limited company              | 16/12/2011                                                    | 2656546 | 11805125.9 |        |
| 2657004      | The Japan Steel Works, Ltd.                                    | 01/12/2011                                                    | 2657004 | 11850115.4 |        |
| 2658616      | UTC Fire & Security Corporation                                | 30/12/2010                                                    | 2658616 | 10861400.9 |        |
| 2658712      | Cytec Technology Corp.                                         | 16/12/2011                                                    | 2658712 | 11802897.6 |        |
| 2659175      | VALLOUREC OIL AND GAS FRANCE<br>NIPPON STEEL CORPORATION       | 12/12/2011                                                    | 2659175 | 11796630.9 |        |
| 2660523      | General Electric Company                                       | 30/04/2013                                                    | 2660523 | 13165939.3 |        |
| 2660802      | Wujiang Yuxing Metal Art Decoration Co., Ltd.                  | 25/08/2011                                                    | 2660802 | 11853093.0 |        |
| 2661900      | Thomson Licensing                                              | 13/12/2011                                                    | 2661900 | 11801947.0 |        |
| 2663468      | Audi AG                                                        | 16/12/2011                                                    | 2663468 | 11801984.3 | German |
| 2663529      | Buchsbaum, Norbert Nathan                                      | 05/08/2011                                                    | 2663529 | 11816857.4 |        |
| 2663892      | LIMO GmbH                                                      | 10/01/2012                                                    | 2663892 | 12702439.6 | German |
| 2664795      | Samsung Electronics Co., Ltd.                                  | 06/05/2013                                                    | 2664795 | 13166577.0 |        |
| 2664915      | Honeywell International Inc.                                   | 23/04/2013                                                    | 2664915 | 13165023.6 |        |
| 2667170      | HORIBA, LTD.                                                   | 17/05/2013                                                    | 2667170 | 13002627.1 |        |
| 2667523      | Datang Mobile Communications Equipment Co., Ltd.               | 11/01/2012                                                    | 2667523 | 12736663.1 |        |
| 2668403      | Hydac Technology GmbH                                          | 17/01/2012                                                    | 2668403 | 12700609.6 | German |
| 2669342      | Konica Minolta, Inc.                                           | 26/01/2012                                                    | 2669342 | 12739969.9 |        |
| 2671069      | Koninklijke Philips N.V.                                       | 25/01/2012                                                    | 2671069 | 12703349.6 |        |
| 2672789      | General Electric Company                                       | 27/03/2013                                                    | 2672789 | 13161463.8 |        |
| 2672986      | GlaxoSmithKline LLC                                            | 09/02/2012                                                    | 2672986 | 12744782.9 |        |
| 2676118      | Ventana Medical Systems, Inc.                                  | 17/02/2012                                                    | 2676118 | 12706226.3 |        |
| 2676512      | Qualcomm Incorporated                                          | 13/02/2012                                                    | 2676512 | 12707416.9 |        |
| 2677293      | Mehnert, Jens                                                  | 20/06/2012                                                    | 2677293 | 12401124.8 | German |
| 2680308      | Avago Technologies International Sales Pte. Limited            | 27/12/2012                                                    | 2680308 | 12008625.1 |        |
| 2682586      | Mitsubishi Hitachi Power Systems, Ltd.                         | 04/07/2013                                                    | 2682586 | 13175002.8 |        |
| 2685289      | PGS Geophysical AS                                             | 26/06/2013                                                    | 2685289 | 13173759.5 |        |
| 2685625      | Sanyo Denki Co., Ltd.                                          | 19/06/2013                                                    | 2685625 | 13172905.5 |        |
| 2688283      | BlackBerry Limited                                             | 20/07/2012                                                    | 2688283 | 12177311.3 |        |
| 2690567      | Samsung Electronics Co., Ltd.                                  | 11/07/2013                                                    | 2690567 | 13176065.4 |        |
| 2691742      | Commissariat à l'Énergie Atomique et aux Énergies Alternatives | 29/03/2012                                                    | 2691742 | 12720233.1 | French |

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| 2692556 | AUDI AG                                                                                                                                                                                    | 30/07/2013 | 2692556 | 13178550.3 | German |
| 2693514 | Sanyo Electric Co., Ltd.                                                                                                                                                                   | 16/12/2011 | 2693514 | 11862018.6 |        |
| 2696419 | Envision AESC Japan Ltd.                                                                                                                                                                   | 06/04/2012 | 2696419 | 12767240.0 |        |
| 2696587 | CANON KABUSHIKI KAISHA                                                                                                                                                                     | 01/08/2013 | 2696587 | 13178988.5 |        |
| 2696813 | Synthes GmbH                                                                                                                                                                               | 15/04/2011 | 2696813 | 11716750.2 |        |
| 2696987 | Koki Holdings Co., Ltd.                                                                                                                                                                    | 13/04/2012 | 2696987 | 12719090.8 |        |
| 2699355 | GEA Mechanical Equipment GmbH                                                                                                                                                              | 17/04/2012 | 2699355 | 12715967.1 | German |
| 2700974 | LG Electronics Inc.                                                                                                                                                                        | 13/04/2012 | 2700974 | 12774259.1 |        |
| 2702489 | Bull SAS                                                                                                                                                                                   | 17/04/2012 | 2702489 | 12722424.4 | French |
| 2703352 | Sakai Chemical Industry Co., Ltd.                                                                                                                                                          | 26/04/2012 | 2703352 | 12777345.5 |        |
| 2703539 | Electrolux Home Products Corporation<br>N.V.                                                                                                                                               | 03/09/2012 | 2703539 | 12182732.3 |        |
| 2703776 | The Boeing Company                                                                                                                                                                         | 23/08/2013 | 2703776 | 13181494.9 |        |
| 2707128 | Versalis S.p.A.                                                                                                                                                                            | 27/04/2012 | 2707128 | 12719334.0 |        |
| 2708953 | PFU LIMITED                                                                                                                                                                                | 20/08/2013 | 2708953 | 13180978.2 |        |
| 2710098 | Bioendev AB                                                                                                                                                                                | 16/05/2012 | 2710098 | 12786274.6 |        |
| 2711216 | MAN Truck & Bus SE                                                                                                                                                                         | 19/04/2013 | 2711216 | 13002064.7 | German |
| 2711336 | Chiyoda Corporation                                                                                                                                                                        | 21/03/2012 | 2711336 | 12770830.3 |        |
| 2711893 | Beijing Electric Power Economic<br>Research Institute<br>State Grid Beijing Electric Power<br>Company<br>Beijing Forever Technology Co., Ltd.<br>State Grid Corporation of China<br>(SGCC) | 20/01/2012 | 2711893 | 12785279.6 |        |
| 2711948 | Chang Sung Co.                                                                                                                                                                             | 17/05/2012 | 2711948 | 12786508.7 |        |
| 2712113 | Samsung Electronics Co., Ltd.                                                                                                                                                              | 25/09/2013 | 2712113 | 13186008.2 |        |
| 2713587 | BlackBerry Limited                                                                                                                                                                         | 27/09/2012 | 2713587 | 12186365.8 |        |
| 2713760 | DSM IP Assets B.V.                                                                                                                                                                         | 15/05/2012 | 2713760 | 12724927.4 |        |
| 2713991 | Galderma S.A.                                                                                                                                                                              | 29/05/2012 | 2713991 | 12729386.8 |        |
| 2714359 | Acell Industries Limited                                                                                                                                                                   | 01/06/2012 | 2714359 | 12726846.4 |        |
| 2715487 | Qualcomm Incorporated                                                                                                                                                                      | 21/05/2012 | 2715487 | 12724815.1 |        |
| 2715532 | Microsoft Technology Licensing, LLC                                                                                                                                                        | 09/10/2011 | 2715532 | 11866904.3 |        |
| 2716436 | Magna Steyr Fahrzeugtechnik AG & Co<br>KG                                                                                                                                                  | 04/10/2012 | 2716436 | 12187227.9 | German |
| 2717300 | Sony Corporation                                                                                                                                                                           | 16/05/2012 | 2717300 | 12790013.2 |        |
| 2717305 | Hamamatsu Photonics K.K.                                                                                                                                                                   | 25/05/2012 | 2717305 | 12793492.5 |        |

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| 2718694 | President and Fellows of Harvard College                                                    | 13/06/2012 | 2718694 | 12728926.2 |        |
| 2719159 | Canon Kabushiki Kaisha                                                                      | 31/05/2012 | 2719159 | 12797611.6 |        |
| 2719515 | Westfall Acquisition III, Inc.                                                              | 23/11/2012 | 2719515 | 12194136.3 |        |
| 2719774 | Adaptive Biotechnologies Corporation                                                        | 09/11/2009 | 2719774 | 13195379.6 |        |
| 2720425 | Qualcomm Incorporated                                                                       | 04/11/2011 | 2720425 | 14000049.8 |        |
| 2721334 | National Oilwell Varco Denmark I/S                                                          | 09/05/2012 | 2721334 | 12799778.1 |        |
| 2722883 | Infineon Technologies Americas Corp.                                                        | 20/09/2013 | 2722883 | 13185377.2 |        |
| 2723172 | Agrinos AS                                                                                  | 25/06/2012 | 2723172 | 12730912.8 |        |
| 2724282 | Netflix, Inc.                                                                               | 22/06/2012 | 2724282 | 12802141.7 |        |
| 2724319 | Koninklijke Philips N.V.                                                                    | 19/06/2012 | 2724319 | 12735044.5 |        |
| 2724482 | QUALCOMM INCORPORATED                                                                       | 21/06/2012 | 2724482 | 12740751.8 |        |
| 2725154 | Aqseptence Group GmbH                                                                       | 23/10/2013 | 2725154 | 13189830.6 | German |
| 2727399 | Chikka Pte Ltd                                                                              | 28/06/2012 | 2727399 | 12804721.4 |        |
| 2728609 | LG Innotek Co., Ltd.                                                                        | 31/10/2013 | 2728609 | 13191058.0 |        |
| 2728610 | LG Innotek Co., Ltd.                                                                        | 31/10/2013 | 2728610 | 13191064.8 |        |
| 2728888 | Samsung Electronics Co., Ltd.                                                               | 30/10/2013 | 2728888 | 13190799.0 |        |
| 2728978 | Shanghai Tianma Micro-Electronics Co., Ltd.                                                 | 04/12/2012 | 2728978 | 12874364.8 |        |
| 2728979 | WÜRTH ELEKTRONIK GmbH & Co. KG<br>Hahn-Schickard-Gesellschaft für angewandte Forschung e.V. | 30/10/2013 | 2728979 | 13190891.5 | German |
| 2730824 | ESBE AB                                                                                     | 12/11/2012 | 2730824 | 12192272.8 |        |
| 2730939 | OMRON CORPORATION                                                                           | 21/10/2013 | 2730939 | 13189544.3 |        |
| 2731008 | FUJITSU LIMITED                                                                             | 12/11/2012 | 2731008 | 12192302.3 |        |
| 2731833 | Valeo Systèmes d'Essuyage                                                                   | 25/06/2012 | 2731833 | 12732600.7 | French |
| 2732249 | Micro Motion, Inc.                                                                          | 13/07/2011 | 2732249 | 11767487.9 |        |
| 2732501 | Cornell University                                                                          | 10/07/2012 | 2732501 | 12810804.0 |        |
| 2733415 | BOE Technology Group Co., Ltd.                                                              | 14/11/2013 | 2733415 | 13192839.2 |        |
| 2733558 | Tokyo Electron Limited                                                                      | 12/07/2012 | 2733558 | 12814346.8 |        |
| 2733732 | MUETEC Automatisierte Mikroskopie und Messtechnik GmbH                                      | 11/11/2013 | 2733732 | 13005309.3 | German |
| 2734583 | Cabot Corporation                                                                           | 20/07/2012 | 2734583 | 12740844.1 |        |
| 2735425 | ENGEL AUSTRIA GmbH                                                                          | 19/11/2013 | 2735425 | 13005420.8 | German |
| 2735920 | Bulgari Horlogerie S.A.                                                                     | 26/11/2013 | 2735920 | 13194457.1 | French |
| 2736012 | Fuji Xerox Co., Ltd.                                                                        | 05/01/2012 | 2736012 | 12814525.7 |        |

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| 2736032 | Wujiang Yuxing Metal Art Decoration Co., Ltd. | 20/07/2012 | 2736032 | 12817941.3 |        |
| 2736305 | LG Electronics Inc.                           | 16/08/2013 | 2736305 | 13180683.8 |        |
| 2740905 | Safran Aero Boosters SA                       | 07/12/2012 | 2740905 | 12195999.3 | French |
| 2741161 | Miele & Cie. KG<br>Universität Bielefeld      | 10/12/2013 | 2741161 | 13401133.7 | German |
| 2741228 | Hewlett-Packard Development Company, L.P.     | 29/11/2013 | 2741228 | 13195128.7 |        |
| 2742740 | Nokia Solutions and Networks Oy               | 12/08/2011 | 2742740 | 11870933.6 |        |
| 2743303 | Sumitomo Rubber Industries, Ltd.              | 30/05/2012 | 2743303 | 12834702.8 |        |
| 2743593 | Whirlpool EMEA S.p.A.                         | 11/12/2013 | 2743593 | 13196639.2 |        |
| 2743595 | Mitsubishi Electric Corporation               | 19/11/2013 | 2743595 | 13193559.5 |        |
| 2743687 | DT-Solutions B.V.                             | 13/12/2013 | 2743687 | 13197200.2 |        |
| 2743806 | Shanghai Tianma Micro-electronics Co., Ltd.   | 12/12/2013 | 2743806 | 13196946.1 |        |
| 2744236 | QUALCOMM Incorporated                         | 17/08/2009 | 2744236 | 14159468.9 |        |
| 2744411 | Koninklijke Philips N.V.                      | 31/08/2012 | 2744411 | 12787863.5 |        |
| 2744996 | Woodward, Inc.                                | 17/08/2012 | 2744996 | 12754152.2 |        |
| 2745523 | Vantrix Corporation                           | 10/07/2012 | 2745523 | 12824490.2 |        |
| 2747184 | LG Chem, Ltd.                                 | 20/09/2012 | 2747184 | 12832832.5 |        |
| 2747697 | Medline Industries, Inc.                      | 11/09/2012 | 2747697 | 12834067.6 |        |
| 2747716 | Cook Medical Technologies LLC                 | 20/08/2012 | 2747716 | 12754156.3 |        |
| 2747999 | Equistar Chemicals, LP                        | 24/08/2012 | 2747999 | 12827220.0 |        |
| 2748750 | Nicira Inc.                                   | 15/11/2012 | 2748750 | 12849295.6 |        |
| 2749056 | Nokia Solutions and Networks Oy               | 22/08/2011 | 2749056 | 11871254.6 |        |
| 2749619 | NITTO DENKO CORPORATION                       | 23/12/2013 | 2749619 | 13199345.3 |        |
| 2750110 | Sony Corporation                              | 14/08/2012 | 2750110 | 12825620.3 |        |
| 2750854 | Pregis Intellipack LLC                        | 27/08/2012 | 2750854 | 12759556.9 |        |
| 2751885 | Valeo Systèmes d'Essuyage                     | 31/05/2012 | 2751885 | 12729051.8 | French |
| 2752625 | Sharp Kabushiki Kaisha                        | 30/05/2012 | 2752625 | 12826816.6 |        |
| 2754192 | East Penn Manufacturing Co.                   | 06/09/2012 | 2754192 | 12769204.4 |        |
| 2754805 | SCHÜCO International KG                       | 04/12/2013 | 2754805 | 13195649.2 | German |
| 2755283 | Deutsch Engineered Connecting Devices, Inc.   | 21/06/2013 | 2755283 | 13173164.8 |        |
| 2755367 | Samsung Electronics Co., Ltd.                 | 13/01/2014 | 2755367 | 14150978.6 |        |
| 2755481 | ALGIPHARMA AS                                 | 14/09/2012 | 2755481 | 12766466.2 |        |
| 2755926 | Amazon Technologies, Inc.                     | 13/09/2012 | 2755926 | 12831798.9 |        |



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|----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|-------------------|---------|-------------------|
| 2756238                                                                    | Renusol Europe GmbH                                                                                                       | 15/09/2011        | 2756238 | 11757558.9 German |
| 2756422                                                                    | Google LLC                                                                                                                | 14/09/2012        | 2756422 | 12831760.9        |
| 2757809                                                                    | Rohm Co., Ltd.                                                                                                            | 31/08/2012        | 2757809 | 12830113.2        |
| 2757840                                                                    | InterDigital Technology Corporation                                                                                       | 13/09/2004        | 2757840 | 14164678.6        |
| 2759785                                                                    | Daikin Industries, Ltd.                                                                                                   | 03/09/2012        | 2759785 | 12832012.4        |
| 2760335                                                                    | Abbott Diabetes Care, Inc.                                                                                                | 27/09/2012        | 2760335 | 12836194.6        |
| 2762220                                                                    | Axiom Angewandte Prozeßtechnik Ges.<br>m.b.H.                                                                             | 05/02/2013        | 2762220 | 13153972.8 German |
| 2763426                                                                    | CLICKON                                                                                                                   | 29/01/2014        | 2763426 | 14153097.2 French |
| 2766325                                                                    | GE Healthcare Limited                                                                                                     | 15/10/2012        | 2766325 | 12781295.6        |
| 2766330                                                                    | Honeywell International Inc.                                                                                              | 10/10/2012        | 2766330 | 12840366.4        |
| 2768307                                                                    | Bikam Pharmaceuticals, Inc.                                                                                               | 19/10/2012        | 2768307 | 12841572.6        |
| 2769517                                                                    | Telefonaktiebolaget LM Ericsson (publ)                                                                                    | 03/11/2011        | 2769517 | 11785811.8        |
| 2769699                                                                    | Cook Medical Technologies LLC                                                                                             | 18/02/2014        | 2769699 | 14275027.2        |
| 2771241                                                                    | Regen Lab SA                                                                                                              | 29/10/2012        | 2771241 | 12805468.1        |
| 2772252                                                                    | Hisamitsu Pharmaceutical Co., Inc.                                                                                        | 23/10/2012        | 2772252 | 12844042.7        |
| 2773909                                                                    | Rite-Hite Holding Corporation                                                                                             | 01/11/2012        | 2773909 | 12795136.6        |
| 2774258                                                                    | Valeo Siemens eAutomotive Germany<br>GmbH                                                                                 | 16/11/2012        | 2774258 | 12787013.7 German |
| 2776591                                                                    | Renmatix, Inc.                                                                                                            | 08/11/2012        | 2776591 | 12847440.0        |
| 2777147                                                                    | Valeo Siemens eAutomotive Germany<br>GmbH                                                                                 | 16/11/2012        | 2777147 | 12787016.0 German |
| 2780634                                                                    | Zeeco Inc.                                                                                                                | 09/11/2012        | 2780634 | 12848457.3        |
| 2781016                                                                    | Sew-Eurodrive GmbH & Co. KG                                                                                               | 13/11/2012        | 2781016 | 12798606.5 German |
| 2783557                                                                    | InterDigital CE Patent Holdings                                                                                           | 21/11/2012        | 2783557 | 12809881.1        |
| 2783956                                                                    | Honda Motor Co., Ltd.                                                                                                     | 25/03/2014        | 2783956 | 14161393.5        |
| 2784756                                                                    | SCAN COIN AB                                                                                                              | 28/03/2013        | 2784756 | 13161542.9        |
| 2785524                                                                    | Elbe Flugzeugwerke GmbH                                                                                                   | 28/11/2012        | 2785524 | 12821239.6 German |
| 2785941                                                                    | dormakaba Deutschland GmbH                                                                                                | 14/11/2012        | 2785941 | 12794181.3 German |
| 2787133                                                                    | Geberit International AG                                                                                                  | 03/04/2013        | 2787133 | 13162149.2 German |
| 2787173                                                                    | IHI Corporation<br>The Society of Japanese Aerospace<br>Companies                                                         | 30/11/2012        | 2787173 | 12852740.5        |
| 2787280                                                                    | Best - Bioenergy and Sustainable<br>Technologies GmbH<br>RIKA Innovative Ofentechnik GmbH<br>Schmid AG - Energy Solutions | 05/04/2013        | 2787280 | 13162458.7 German |

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|---------|----------------------------------------|------------|---------|------------|--------|
| 2787427 | Seat, S.A.                             | 05/04/2013 | 2787427 | 13382127.2 |        |
| 2787645 | Samsung Display Co., Ltd.              | 02/04/2014 | 2787645 | 14163276.0 |        |
| 2787767 | ZTE Corporation                        | 24/12/2012 | 2787767 | 12864667.6 |        |
| 2788624 | Phillips, David L.                     | 07/12/2012 | 2788624 | 12856042.2 |        |
|         | Meza, Humberto V.                      |            |         |            |        |
|         | Tran, Derrick T.                       |            |         |            |        |
|         | Flow Control LLC.                      |            |         |            |        |
| 2788720 | Atlantic Inertial Systems Limited      | 29/11/2012 | 2788720 | 12808866.3 |        |
| 2789414 | Shoei Chemical Inc.                    | 08/11/2012 | 2789414 | 12855937.4 |        |
| 2789799 | Mitsubishi Hitachi Power Systems, Ltd. | 07/12/2011 | 2789799 | 11866440.8 |        |
| 2790013 | General Electric Company               | 02/04/2014 | 2790013 | 14163231.5 |        |
| 2790794 | 3M Innovative Properties Company       | 12/12/2012 | 2790794 | 12858131.1 |        |
| 2790807 | Andritz Oy                             | 14/12/2012 | 2790807 | 12821261.0 |        |
| 2791105 | Merck Patent GmbH                      | 15/11/2012 | 2791105 | 12788444.3 | German |
| 2791964 | Canon Kabushiki Kaisha                 | 09/01/2013 | 2791964 | 13746658.7 |        |
| 2793912 | Celularity, Inc.                       | 21/12/2012 | 2793912 | 12860504.5 |        |
| 2794115 | GEA Mechanical Equipment GmbH          | 12/12/2012 | 2794115 | 12798763.4 | German |
| 2794878 | F.HOFFMANN-LA ROCHE AG                 | 19/12/2012 | 2794878 | 12813822.9 |        |
| 2795213 | Carrier Corporation                    | 18/12/2012 | 2795213 | 12810506.1 |        |
| 2796926 | Samsung SDI Co., Ltd.                  | 21/01/2014 | 2796926 | 14151904.1 |        |
| 2797123 | OMRON CORPORATION                      | 17/04/2014 | 2797123 | 14165208.1 |        |
| 2797205 | Kwang Yang Motor Co., Ltd.             | 22/10/2013 | 2797205 | 13189743.1 |        |
| 2797702 | The Coca-Cola Company                  | 31/12/2012 | 2797702 | 12863239.5 |        |
| 2798201 | Vestas Wind Systems A/S                | 21/12/2012 | 2798201 | 12810064.1 |        |
| 2798748 | Korea National University of           | 26/12/2012 | 2798748 | 12861196.9 |        |
|         | Transportation Industry Academic       |            |         |            |        |
|         | Cooperation Foundation                 |            |         |            |        |
|         | Samsung Electronics Co., Ltd.          |            |         |            |        |
| 2798947 | Monsanto Technology, LLC               | 26/08/2005 | 2798947 | 14166434.2 |        |
| 2799336 | The Boeing Company                     | 29/04/2013 | 2799336 | 13382159.5 |        |
| 2802149 | NEC Corporation                        | 06/06/2013 | 2802149 | 13809606.0 |        |
| 2802998 | Microsoft Technology Licensing, LLC    | 07/01/2013 | 2802998 | 13736422.0 |        |
| 2806587 | FUJITSU LIMITED                        | 23/04/2014 | 2806587 | 14165601.7 |        |
| 2806908 | The University of Akron                | 25/01/2013 | 2806908 | 13740716.9 |        |
| 2806977 | Oerlikon Metco (US) Inc.               | 27/01/2012 | 2806977 | 12866811.8 |        |
| 2807603 | Microsoft Technology Licensing, LLC    | 23/01/2012 | 2807603 | 12705967.3 |        |
| 2807744 | Qualcomm Incorporated                  | 23/01/2013 | 2807744 | 13703669.5 |        |

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|---------|------------------------------------------------------|------------|---------|------------|--------|
| 2807894 | Sun Patent Trust                                     | 23/11/2012 | 2807894 | 12788581.2 |        |
| 2810082 | Infinitesima Limited                                 | 29/01/2013 | 2810082 | 13705228.8 |        |
| 2811627 | Sanyo Denki Co., Ltd.                                | 30/05/2014 | 2811627 | 14170630.9 |        |
| 2814111 | Alcatel Lucent                                       | 13/06/2013 | 2814111 | 13305802.4 |        |
| 2814843 | Agency for Science, Technology and Research          | 13/02/2013 | 2814843 | 13748708.8 |        |
| 2816598 | Panasonic Intellectual Property Management Co., Ltd. | 10/12/2012 | 2816598 | 12866999.1 |        |
| 2816977 | LDR Medical                                          | 22/02/2013 | 2816977 | 13709337.3 |        |
| 2818582 | Airbus Defence and Space GmbH                        | 25/06/2013 | 2818582 | 13173675.3 | German |
| 2818653 | BRUSS Sealing Systems GmbH                           | 11/06/2014 | 2818653 | 14171911.2 | German |
| 2820752 | Beckhoff Automation GmbH                             | 01/02/2013 | 2820752 | 13703011.0 | German |
| 2822149 | NISSAN MOTOR CO., LTD.                               | 26/02/2013 | 2822149 | 13755293.1 |        |
| 2823385 | Microsoft Technology Licensing, LLC                  | 23/04/2012 | 2823385 | 12870471.5 |        |
| 2827557 | Alcatel Lucent                                       | 19/07/2013 | 2827557 | 13306041.8 |        |
| 2830893 | Eldec Corporation                                    | 29/03/2013 | 2830893 | 13718429.7 |        |
| 2833479 | Advanced Automotive Antennas, S.L.                   | 02/08/2013 | 2833479 | 13179099.0 |        |
| 2833601 | Qualcomm Incorporated                                | 12/02/2004 | 2833601 | 14190879.8 |        |
| 2834673 | BP Corporation North America Inc.                    | 03/04/2013 | 2834673 | 13715880.4 |        |
| 2834789 | GEA Farm Technologies GmbH                           | 27/03/2013 | 2834789 | 13713165.2 | German |
| 2834820 | Safran Electrical & Power                            | 03/04/2013 | 2834820 | 13719972.5 | French |
| 2834910 | Eggtronic Engineering S.r.l.                         | 19/03/2013 | 2834910 | 13720535.7 |        |
| 2838113 | NXP USA, Inc.                                        | 06/08/2014 | 2838113 | 14179991.6 |        |
| 2838294 | Alcatel Lucent                                       | 16/08/2013 | 2838294 | 13290192.7 |        |
| 2838660 | Hamilton Bonaduz AG                                  | 14/04/2013 | 2838660 | 13719439.5 | German |
| 2840497 | Universitat Politècnica De Catalunya                 | 18/04/2013 | 2840497 | 13778383.3 |        |
| 2841075 | The General Hospital Corporation                     | 26/04/2013 | 2841075 | 13780800.2 |        |
| 2842208 | Safran Electrical & Power                            | 18/04/2013 | 2842208 | 13723835.8 | French |
| 2843523 | Huawei Device Co., Ltd.                              | 24/04/2013 | 2843523 | 13781119.6 |        |
| 2844165 | Guo, Joseph                                          | 29/04/2013 | 2844165 | 13784292.8 |        |
| 2844824 | Weatherford Technology Holdings, LLC                 | 03/05/2013 | 2844824 | 13723620.4 |        |
| 2845071 | The Trustees Of The University Of Pennsylvania       | 30/04/2013 | 2845071 | 13823648.4 |        |
| 2847250 | Akron Polymer Systems, Inc.                          | 10/05/2013 | 2847250 | 13787350.1 |        |
| 2847887 | Andrew Wireless Systems GmbH                         | 07/05/2012 | 2847887 | 12721141.5 |        |
| 2848276 | Prodol Meditec S.A.                                  | 08/05/2012 | 2848276 | 12876322.4 |        |

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|---------|------------------------------------------|------------|---------|------------|--------|
| 2848487 | Volvo Car Corporation                    | 12/09/2013 | 2848487 | 13184034.0 |        |
| 2848872 | Samsung Electronics Co., Ltd.            | 15/09/2014 | 2848872 | 14184830.9 |        |
| 2849782 | Contrafact Corporation                   | 09/05/2013 | 2849782 | 13787128.1 |        |
| 2850223 | Prayon S.A.                              | 16/05/2013 | 2850223 | 13723759.0 | French |
|         | Université de Liège                      |            |         |            |        |
| 2850556 | Landmark Graphics Corporation            | 14/05/2012 | 2850556 | 12877040.1 |        |
| 2850648 | Micromass UK Limited                     | 16/05/2013 | 2850648 | 13724352.3 |        |
| 2850775 | BlackBerry Limited                       | 10/05/2013 | 2850775 | 13788377.3 |        |
| 2851516 | Pratt & Whitney Canada Corp.             | 16/09/2014 | 2851516 | 14185004.0 |        |
| 2851619 | Mitsubishi Hitachi Power Systems, Ltd.   | 21/08/2014 | 2851619 | 14181815.3 |        |
| 2852533 | WestRock Packaging Systems, LLC          | 20/05/2013 | 2852533 | 13725542.8 |        |
| 2854402 | Samsung Electronics Co., Ltd.            | 18/03/2014 | 2854402 | 14160483.5 |        |
| 2855076 | IPG Photonics Corporation                | 29/05/2013 | 2855076 | 13837131.5 |        |
| 2855108 | Sunds Fibertech AB                       | 01/06/2012 | 2855108 | 12727343.1 |        |
| 2855309 | Krones AG                                | 05/07/2012 | 2855309 | 12738419.6 | German |
| 2855388 | Corning Incorporated                     | 29/05/2013 | 2855388 | 13729841.0 |        |
| 2856181 | Pulse Electronics, Inc.                  | 30/05/2013 | 2856181 | 13797150.3 |        |
| 2856880 | Rheon Automatic Machinery Co., Ltd.      | 03/10/2014 | 2856880 | 14187592.2 |        |
| 2856931 | HOYA Corporation                         | 23/04/2013 | 2856931 | 13794149.8 |        |
| 2858002 | Medicalgorithmics Ltd.                   | 16/11/2009 | 2858002 | 14200481.1 |        |
| 2858154 | Yamanaka Eng. Co., Ltd.                  | 28/05/2013 | 2858154 | 13796865.7 |        |
|         | Kiuchi, Manabu                           |            |         |            |        |
|         | Usui Kokusai Sangyo Kaisha Ltd.          |            |         |            |        |
| 2858437 | Sony Corporation                         | 23/04/2013 | 2858437 | 13797135.4 |        |
| 2859597 | Lumileds Holding B.V.                    | 04/06/2013 | 2859597 | 13739506.7 |        |
| 2861286 | Koninklijke Philips N.V.                 | 28/05/2013 | 2861286 | 13739289.0 |        |
| 2862162 | Dolby Laboratories Licensing Corporation | 10/06/2013 | 2862162 | 13803423.6 |        |
| 2863562 | Continental Automotive GmbH              | 16/10/2013 | 2863562 | 13464014.3 | German |
| 2863786 | Dyson Technology Limited                 | 20/06/2013 | 2863786 | 13731457.1 |        |
| 2863906 | Keryx Biopharmaceuticals, Inc.           | 21/06/2013 | 2863906 | 13807102.2 |        |
| 2866024 | BioEngineering Laboratories, LLC         | 25/06/2013 | 2866024 | 13808596.4 |        |
| 2866338 | Kabushiki Kaisha Yaskawa Denki           | 09/10/2014 | 2866338 | 14188234.0 |        |
| 2866673 | Koninklijke Philips N.V.                 | 25/06/2013 | 2866673 | 13765765.6 |        |
| 2867991 | Cree, Inc.                               | 18/06/2013 | 2867991 | 13809475.0 |        |
| 2869009 | LG Electronics Inc.                      | 03/11/2014 | 2869009 | 14191503.3 |        |
| 2869018 | MAHLE International GmbH                 | 16/10/2014 | 2869018 | 14189144.0 |        |

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|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|---------|------------|--------|
| 2869448      | Dialog Semiconductor GmbH                                                                                                                                     | 30/10/2013                                                    | 2869448 | 13190874.1 |        |
| 2869636      | Huawei Technologies Co., Ltd.                                                                                                                                 | 10/08/2012                                                    | 2869636 | 12882586.6 |        |
| 2869907      | TURBOFILTER GMBH                                                                                                                                              | 02/07/2013                                                    | 2869907 | 13739630.5 | German |
| 2870453      | Commissariat à l'Énergie Atomique et<br>aux Énergies Alternatives                                                                                             | 03/07/2013                                                    | 2870453 | 13732987.6 | French |
| 2870826      | Nokia Solutions and Networks Oy                                                                                                                               | 06/07/2012                                                    | 2870826 | 12733483.7 |        |
| 2873202      | Microsoft Technology Licensing, LLC                                                                                                                           | 09/07/2013                                                    | 2873202 | 13740137.8 |        |
| 2873294      | Empire Technology Development LLC                                                                                                                             | 10/07/2012                                                    | 2873294 | 12880930.8 |        |
| 2873479      | Positec Power Tools (Suzhou) Co., Ltd                                                                                                                         | 15/07/2013                                                    | 2873479 | 13816679.8 |        |
| 2873787      | HOPPE AG                                                                                                                                                      | 12/08/2014                                                    | 2873787 | 14180618.2 | German |
| 2874184      | Analog Devices, Inc.                                                                                                                                          | 07/11/2014                                                    | 2874184 | 14192350.8 |        |
| 2874459      | LG Electronics Inc.                                                                                                                                           | 15/07/2013                                                    | 2874459 | 13816795.2 |        |
| 2875650      | Cochlear Limited                                                                                                                                              | 17/07/2013                                                    | 2875650 | 13820371.6 |        |
| 2875817      | Synthon B.V.                                                                                                                                                  | 26/11/2013                                                    | 2875817 | 13194485.2 |        |
| 2876062      | Müller Martini Holding AG                                                                                                                                     | 26/05/2014                                                    | 2876062 | 14169784.7 | German |
| 2876501      | CANON KABUSHIKI KAISHA                                                                                                                                        | 20/11/2014                                                    | 2876501 | 14194153.4 |        |
| 2877012      | Dow AgroSciences LLC                                                                                                                                          | 19/07/2013                                                    | 2877012 | 13822768.1 |        |
| 2877555      | Curtin University Of Technology                                                                                                                               | 24/07/2013                                                    | 2877555 | 13823211.1 |        |
| 2878852      | Hitachi Automotive Systems, Ltd.                                                                                                                              | 25/07/2013                                                    | 2878852 | 13822152.8 |        |
| 2878962      | Guildline Instruments Limited                                                                                                                                 | 21/10/2014                                                    | 2878962 | 14003584.1 |        |
| 2879608      | Stryker Corporation                                                                                                                                           | 02/08/2013                                                    | 2879608 | 13750784.4 |        |
| 2879817      | Bollhoff Attexor SA                                                                                                                                           | 01/08/2013                                                    | 2879817 | 13758761.4 |        |
| 2880676      | Max-Planck-Gesellschaft zur Förderung<br>der Wissenschaften e.V.<br>Universität Augsburg<br>The Board of Trustees of the Leland<br>Stanford Junior University | 30/07/2012                                                    | 2880676 | 12746023.6 |        |
| 2880753      | SMA Solar Technology AG                                                                                                                                       | 25/07/2013                                                    | 2880753 | 13741767.1 | German |
| 2881177      | Fuji Electric Co., Ltd.                                                                                                                                       | 18/04/2013                                                    | 2881177 | 13825156.6 |        |
| 2881297      | ROBERT BOSCH GMBH                                                                                                                                             | 03/11/2014                                                    | 2881297 | 14191474.7 | German |
| 2882027      | LG Chem, Ltd.                                                                                                                                                 | 23/05/2014                                                    | 2882027 | 14800510.1 |        |
| 2882415      | BASF Beauty Care Solutions France<br>S.A.S.                                                                                                                   | 13/08/2013                                                    | 2882415 | 13773275.6 | French |
| 2882470      | KCI Licensing, Inc.                                                                                                                                           | 30/07/2013                                                    | 2882470 | 13826800.8 |        |
| 2882952      | SAFRAN Power UK Ltd.                                                                                                                                          | 06/08/2013                                                    | 2882952 | 13745131.6 |        |
| 2883526      | Harro Höfliger Verpackungsmaschinen<br>GmbH                                                                                                                   | 11/12/2013                                                    | 2883526 | 13005768.0 | German |

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| 2884872 | Kim Thi Pham, Loan                                                                            | 15/08/2012 | 2884872 | 12772446.6 |        |
| 2885266 | Actelion Pharmaceuticals Ltd                                                                  | 15/08/2013 | 2885266 | 13779378.2 |        |
| 2885716 | Gogo LLC                                                                                      | 08/08/2013 | 2885716 | 13829974.8 |        |
| 2887217 | Intel Corporation                                                                             | 18/11/2014 | 2887217 | 14193660.9 |        |
| 2888196 | Raytheon Company                                                                              | 24/05/2013 | 2888196 | 13728067.3 |        |
| 2889123 | Airbus Operations GmbH                                                                        | 17/11/2014 | 2889123 | 14193499.2 |        |
| 2889152 | Giesecke+Devrient Currency<br>Technology GmbH                                                 | 18/12/2014 | 2889152 | 14004282.1 | German |
| 2891152 | Micron Technology, Inc.                                                                       | 29/08/2013 | 2891152 | 13833081.6 |        |
| 2891876 | COMMISSARIAT À L'ÉNERGIE<br>ATOMIQUE ET AUX ÉNERGIES<br>ALTERNATIVES                          | 16/12/2014 | 2891876 | 14198359.3 | French |
| 2893300 | McCrometer Inc.                                                                               | 12/12/2012 | 2893300 | 12818694.7 |        |
| 2894191 | Sumitomo Rubber Industries, Ltd.                                                              | 09/09/2013 | 2894191 | 13835957.5 |        |
| 2895514 | Stichting Wageningen Research                                                                 | 16/09/2013 | 2895514 | 13766407.4 |        |
| 2895890 | SeeScan, Inc.                                                                                 | 13/09/2013 | 2895890 | 13786336.1 |        |
| 2896141 | GUANGDONG OPPO MOBILE<br>TELECOMMUNICATIONS CORP.,<br>LTD.                                    | 12/09/2012 | 2896141 | 12884545.0 |        |
| 2896165 | Cisco Technology, Inc.                                                                        | 13/09/2013 | 2896165 | 13770756.8 |        |
| 2896757 | Nikles Tec Italia S.r.l.                                                                      | 11/12/2014 | 2896757 | 14197267.9 |        |
| 2896770 | NISSAN MOTOR CO., LTD.                                                                        | 14/08/2013 | 2896770 | 13837253.7 |        |
| 2897716 | VWS Westgarth Limited<br>Total SA<br>Saipem SA<br>Veolia Eau - Compagnie Generale Des<br>Eaux | 19/09/2013 | 2897716 | 13779265.1 | French |
| 2899752 | MediaTek Inc.                                                                                 | 04/01/2015 | 2899752 | 15150054.3 |        |
| 2901673 | Canon Kabushiki Kaisha                                                                        | 27/09/2013 | 2901673 | 13841668.0 |        |
| 2902848 | Mitsubishi Chemical Corporation                                                               | 30/07/2013 | 2902848 | 13842031.0 |        |
| 2903561 | Materialise N.V.                                                                              | 04/10/2013 | 2903561 | 13779157.0 |        |
| 2903831 | Essilor International                                                                         | 03/10/2013 | 2903831 | 13780185.8 | French |
| 2904279 | Whirlpool S.A.                                                                                | 01/08/2013 | 2904279 | 13780305.2 |        |
| 2904349 | Bodybarista ApS                                                                               | 30/09/2013 | 2904349 | 13843369.3 |        |
| 2905168 | Kawasaki Jukogyo Kabushiki Kaisha                                                             | 03/07/2013 | 2905168 | 13844155.5 |        |

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| 2905292 | AutoNetworks Technologies, Ltd.<br>Sumitomo Wiring Systems, Ltd.<br>Sumitomo Electric Industries, Ltd.<br>Kyushu University | 09/08/2013 | 2905292 | 13843751.2 |        |
| 2906415 | Polytex Fibers Corporation                                                                                                  | 11/10/2013 | 2906415 | 13789912.6 |        |
| 2906832 | Stadtmüller, Uwe                                                                                                            | 06/08/2013 | 2906832 | 13765619.5 | German |
| 2906920 | Fondazione Istituto Italiano di<br>Tecnologia                                                                               | 11/10/2013 | 2906920 | 13812116.5 |        |
| 2908191 | The Swatch Group Research and<br>Development Ltd                                                                            | 30/01/2015 | 2908191 | 15153321.3 | French |
| 2908368 | Nitto Denko Corporation                                                                                                     | 12/11/2013 | 2908368 | 13855048.8 |        |
| 2908412 | SOMFY ACTIVITES SA                                                                                                          | 16/02/2015 | 2908412 | 15155163.7 | French |
| 2908888 | UCB Biopharma SRL                                                                                                           | 21/10/2013 | 2908888 | 13786080.5 |        |
| 2908994 | Projecta Engineering S.r.l.                                                                                                 | 31/05/2013 | 2908994 | 13739789.9 |        |
| 2909224 | Intas Pharmaceuticals Limited                                                                                               | 11/10/2013 | 2909224 | 13848806.9 |        |
| 2909244 | Basell Poliolefine Italia S.r.l.                                                                                            | 03/10/2013 | 2909244 | 13773713.6 |        |
| 2909263 | Basell Polyolefine GmbH                                                                                                     | 22/10/2013 | 2909263 | 13779843.5 |        |
| 2910065 | Qualcomm Incorporated                                                                                                       | 10/10/2013 | 2910065 | 13780483.7 |        |
| 2910987 | Fujikura Ltd.                                                                                                               | 25/09/2013 | 2910987 | 13846720.4 |        |
| 2911663 | Merck Sharp & Dohme Corp.                                                                                                   | 23/10/2013 | 2911663 | 13849733.4 |        |
| 2912493 | Baker Hughes, a GE company, LLC                                                                                             | 24/10/2013 | 2912493 | 13849782.1 |        |
| 2913586 | AIR PRODUCTS AND CHEMICALS,<br>INC.                                                                                         | 23/02/2015 | 2913586 | 15000511.4 |        |
| 2914287 | Delenex Therapeutics AG                                                                                                     | 05/11/2013 | 2914287 | 13786473.2 |        |
| 2914706 | Streamline Automation, LLC                                                                                                  | 04/11/2013 | 2914706 | 13792185.4 |        |
| 2915306 | British Telecommunications public<br>limited company                                                                        | 31/10/2013 | 2915306 | 13786706.5 |        |
| 2917251 | Bridgestone Corporation                                                                                                     | 08/11/2013 | 2917251 | 13798445.6 |        |
| 2917536 | Safran Aircraft Engines                                                                                                     | 08/11/2013 | 2917536 | 13803110.9 | French |
| 2918258 | KURARAY NORITAKE DENTAL<br>INC.                                                                                             | 19/10/2010 | 2918258 | 15157706.1 |        |
| 2918286 | Novo Nordisk A/S                                                                                                            | 05/10/2005 | 2918286 | 15161696.8 |        |
| 2918487 | Aruanã Energia S/A                                                                                                          | 07/11/2013 | 2918487 | 13852438.4 |        |
| 2918931 | Daikin Industries, Ltd.                                                                                                     | 03/09/2013 | 2918931 | 13838929.1 |        |
| 2919611 | NIKE Innovate C.V.                                                                                                          | 07/11/2013 | 2919611 | 13812216.3 |        |
| 2919863 | Marioff Corporation Oy                                                                                                      | 13/11/2012 | 2919863 | 12795487.3 |        |
| 2921866 | ZTE Corporation                                                                                                             | 28/06/2013 | 2921866 | 13788227.0 |        |

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| 2922089 | BOE Technology Group Co., Ltd.                | 22/04/2014 | 2922089 | 14859326.2 |        |
| 2922272 | China Mobile Communications Corporation       | 13/11/2013 | 2922272 | 13855200.5 |        |
| 2922357 | LG Electronics Inc.                           | 14/11/2013 | 2922357 | 13855944.8 |        |
| 2922710 | Dziekonski, Mitchell, Z.                      | 04/10/2013 | 2922710 | 13856414.1 |        |
| 2923335 | R-Biopharm AG                                 | 22/11/2013 | 2923335 | 13796146.2 |        |
| 2923610 | Starsprings AB                                | 26/03/2014 | 2923610 | 14161718.3 |        |
| 2923689 | DENTSPLY DETREY GmbH                          | 27/03/2014 | 2923689 | 14001147.9 |        |
| 2924656 | Hitachi, Ltd.                                 | 03/03/2015 | 2924656 | 15157444.9 |        |
| 2925414 | B/E Aerospace, Inc.                           | 26/11/2013 | 2925414 | 13802827.9 |        |
| 2926023 | BeijingWest Industries Co. Ltd.               | 04/07/2013 | 2926023 | 13888601.5 |        |
| 2926914 | Techniplast                                   | 03/04/2015 | 2926914 | 15248033.1 | French |
| 2927050 | VALEO VISION                                  | 19/03/2015 | 2927050 | 15159808.3 | French |
| 2927308 | Meissner, Jan A.                              | 27/07/2007 | 2927308 | 15000919.9 | German |
| 2927802 | Hewlett-Packard Development Company, L.P.     | 01/04/2015 | 2927802 | 15162289.1 |        |
| 2927978 | LG Display Co., Ltd.                          | 25/03/2015 | 2927978 | 15160734.8 |        |
| 2928261 | Nokia Technologies Oy                         | 31/03/2014 | 2928261 | 14305468.2 |        |
| 2928433 | Kimberly-Clark Worldwide, Inc.                | 04/12/2012 | 2928433 | 12889415.1 |        |
| 2928454 | CEVA Santé Animale SA                         | 06/12/2013 | 2928454 | 13802596.0 |        |
| 2928663 | Eastman Chemical Company                      | 02/12/2013 | 2928663 | 13808390.2 |        |
| 2929397 | AZ Electronic Materials (Luxembourg) S.à.r.l. | 04/12/2013 | 2929397 | 13852369.1 |        |
| 2929879 | Gonadosan GmbH                                | 07/04/2015 | 2929879 | 15162540.7 | German |
| 2930587 | General Electric Company                      | 07/04/2015 | 2930587 | 15162670.2 |        |
| 2931693 | 3M Innovative Properties Company              | 27/11/2013 | 2931693 | 13862919.1 |        |
| 2931836 | Merck Patent GmbH                             | 14/11/2013 | 2931836 | 13791936.1 |        |
| 2932239 | Aktiebolaget SKF                              | 13/12/2012 | 2932239 | 12806014.2 |        |
| 2932361 | Microsoft Technology Licensing, LLC           | 13/12/2013 | 2932361 | 13817796.9 |        |
| 2932924 | Covidien LP                                   | 22/12/2014 | 2932924 | 14199666.0 |        |
| 2933651 | Albert-Ludwigs-Universität Freiburg           | 17/04/2014 | 2933651 | 14165064.8 |        |
| 2934004 | Honeywell International Inc.                  | 26/03/2015 | 2934004 | 15161214.0 |        |
| 2934712 | Praj Industries Limited                       | 29/11/2013 | 2934712 | 13865276.3 |        |
| 2934729 | KHS GmbH                                      | 18/12/2013 | 2934729 | 13821069.5 | German |
| 2936058 | Continental Teves AG & Co. OHG                | 11/12/2013 | 2936058 | 13802649.7 | German |
| 2936311 | Oracle International Corporation              | 19/12/2013 | 2936311 | 13821290.7 |        |
| 2936333 | Veritas Technologies LLC                      | 31/10/2013 | 2936333 | 13865580.8 |        |



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|----------------------------------------------------------------------------|-----------------------------------------|-------------------|---------|-------------------|
| 2936937                                                                    | Tridonic GmbH & Co KG                   | 19/12/2013        | 2936937 | 13838084.5 German |
| 2937111                                                                    | Hisamitsu Pharmaceutical Co., Inc.      | 27/11/2013        | 2937111 | 13864780.5        |
| 2937243                                                                    | Ingeteam Power Technology, S.A.         | 20/12/2012        | 2937243 | 12826619.4        |
| 2937596                                                                    | Showa Corporation                       | 27/03/2015        | 2937596 | 15161259.5        |
| 2937877                                                                    | Mitsubishi Electric Corporation         | 20/12/2012        | 2937877 | 12890231.9        |
| 2938465                                                                    | Robert Bosch GmbH                       | 29/12/2013        | 2938465 | 13821631.2        |
| 2940801                                                                    | Huawei Device Co., Ltd.                 | 13/12/2013        | 2940801 | 13883345.4        |
| 2940921                                                                    | FUJITSU LIMITED                         | 29/04/2015        | 2940921 | 15165670.9        |
| 2943267                                                                    | Fluor Technologies Corporation          | 09/01/2013        | 2943267 | 13870688.2        |
| 2943367                                                                    | Audi AG                                 | 23/11/2013        | 2943367 | 13795174.5 German |
|                                                                            | Volkswagen AG                           |                   |         |                   |
| 2943874                                                                    | eBay, Inc.                              | 08/01/2014        | 2943874 | 14738105.7        |
| 2943911                                                                    | Natural Intelligent Technologies S.r.l. | 11/01/2014        | 2943911 | 14706082.6        |
| 2944041                                                                    | Intel Corporation                       | 08/01/2014        | 2944041 | 14737574.5        |
|                                                                            | Intel Deutschland GmbH                  |                   |         |                   |
| 2945863                                                                    | Otto, William M.                        | 15/01/2014        | 2945863 | 14740235.8        |
| 2947127                                                                    | Nichiban Company Limited                | 18/01/2013        | 2947127 | 13872031.3        |
| 2947911                                                                    | KDDI Corporation                        | 10/01/2014        | 2947911 | 14740481.8        |
| 2948003                                                                    | Bottled Science Limited                 | 23/01/2014        | 2948003 | 14701607.5        |
| 2948492                                                                    | Sika Technology AG                      | 21/01/2014        | 2948492 | 14703040.7        |
| 2949334                                                                    | Jiangzhong Pharmaceutical Co., Ltd.     | 22/09/2013        | 2949334 | 13837349.3        |
| 2950629                                                                    | Pfizer, Jason James Michael             | 29/01/2014        | 2950629 | 14745733.7        |
| 2950940                                                                    | Illinois Tool Works Inc.                | 25/01/2014        | 2950940 | 14704964.7        |
| 2951182                                                                    | Aptinyx Inc.                            | 29/01/2014        | 2951182 | 14703247.8        |
| 2952023                                                                    | NEC Corporation                         | 27/10/2014        | 2952023 | 14856910.6        |
| 2952048                                                                    | Qualcomm Incorporated                   | 01/02/2014        | 2952048 | 14707509.7        |
| 2952421                                                                    | Reich KG, Regel- und                    | 27/03/2015        | 2952421 | 15161469.0 German |
|                                                                            | Sicherheitstechnik                      |                   |         |                   |
| 2953597                                                                    | Lagreca, Alfred J.                      | 07/02/2014        | 2953597 | 14748552.8        |
| 2954340                                                                    | Phoenix Contact GmbH & Co. KG           | 11/02/2014        | 2954340 | 14703614.9 German |
| 2955024                                                                    | Mitsubishi Chemical Corporation         | 10/12/2013        | 2955024 | 13874610.2        |
| 2956156                                                                    | University of Leeds                     | 14/02/2014        | 2956156 | 14705565.1        |
| 2959912                                                                    | Sanyo Chemical Industries, Ltd.         | 20/02/2014        | 2959912 | 14754619.6        |
| 2960533                                                                    | TAIHO KOGYO CO., Ltd                    | 21/02/2014        | 2960533 | 14754900.0        |
|                                                                            | TOYOTA JIDOSHA KABUSHIKI                |                   |         |                   |
|                                                                            | KAISHA                                  |                   |         |                   |
| 2960768                                                                    | LG Electronics Inc.                     | 29/01/2015        | 2960768 | 15153116.7        |

|         |                                                                   |            |         |            |        |
|---------|-------------------------------------------------------------------|------------|---------|------------|--------|
| 2961308 | Cook Medical Technologies LLC                                     | 27/02/2014 | 2961308 | 14711359.1 |        |
| 2961377 | PF Consumer Healthcare 1 LLC                                      | 13/02/2014 | 2961377 | 14707845.5 |        |
| 2961608 | Hewlett-Packard Development<br>Company, L.P.                      | 27/06/2013 | 2961608 | 13876374.3 |        |
| 2962129 | Commissariat à l'Energie Atomique et<br>aux Energies Alternatives | 27/02/2014 | 2962129 | 14713193.2 | French |
| 2963298 | Hitachi Industrial Equipment Systems<br>Co., Ltd.                 | 16/12/2013 | 2963298 | 13876338.8 |        |
| 2963687 | LG Display Co., Ltd.                                              | 18/06/2015 | 2963687 | 15172659.3 |        |
| 2963821 | Hitachi Automotive Systems, Ltd.                                  | 13/12/2013 | 2963821 | 13876670.4 |        |
| 2963858 | Endace Technology Limited                                         | 01/10/2009 | 2963858 | 15161252.0 |        |
| 2966635 | CMC Electronics Inc.                                              | 10/07/2015 | 2966635 | 15176308.3 |        |
| 2969163 | Rio Tinto Alcan International Limited                             | 23/05/2014 | 2969163 | 14804656.8 |        |
| 2969673 | BYD Company Limited                                               | 25/04/2014 | 2969673 | 14792105.0 |        |
| 2971739 | Rolls-Royce North American<br>Technologies, Inc.                  | 15/11/2013 | 2971739 | 13799443.0 |        |
| 2972657 | QUALCOMM Incorporated                                             | 20/02/2014 | 2972657 | 14709810.7 |        |
| 2973939 | Qualcomm Incorporated                                             | 25/02/2014 | 2973939 | 14708466.9 |        |
| 2974478 | Qualcomm Incorporated                                             | 13/02/2014 | 2974478 | 14707572.5 |        |
| 2975574 | Xiaomi Inc.                                                       | 24/06/2015 | 2975574 | 15173621.2 |        |
| 2975754 | General Electric Company                                          | 16/04/2015 | 2975754 | 15163915.0 |        |
| 2976936 | CLAAS Selbstfahrende Erntemaschinen<br>GmbH                       | 27/04/2015 | 2976936 | 15165247.6 | German |
| 2978286 | LG Display Co., Ltd.                                              | 03/12/2014 | 2978286 | 14196085.6 |        |
| 2978442 | The Regents of the University of<br>Colorado, a body corporate    | 26/03/2014 | 2978442 | 14727654.7 |        |
| 2979860 | LINTEC Corporation                                                | 28/03/2014 | 2979860 | 14776168.8 |        |
| 2979903 | Continental Reifen Deutschland GmbH                               | 09/06/2015 | 2979903 | 15171080.3 | German |
| 2980112 | NOF Corporation                                                   | 18/03/2014 | 2980112 | 14774736.4 |        |
| 2980274 | Nippon Steel & Sumikin Stainless Steel<br>Corporation             | 24/03/2014 | 2980274 | 14773798.5 |        |
| 2980664 | Makino Milling Machine Co., Ltd.                                  | 29/03/2013 | 2980664 | 13880058.6 |        |
| 2981777 | Nuovo Pignone S.r.l.                                              | 03/04/2014 | 2981777 | 14717705.9 |        |
| 2982325 | Erbe Elektromedizin GmbH                                          | 04/08/2014 | 2982325 | 14179742.3 | German |
| 2982407 | DePuy Synthes Products, Inc.                                      | 07/08/2015 | 2982407 | 15180176.8 |        |

|         |                                                                                               |            |         |            |        |
|---------|-----------------------------------------------------------------------------------------------|------------|---------|------------|--------|
| 2983848 | SMA Solar Technology AG                                                                       | 04/04/2014 | 2983848 | 14716780.3 | German |
|         | Fraunhofer-Gesellschaft zur Förderung<br>der angewandten Forschung e.V.                       |            |         |            |        |
| 2983992 | Lockheed Martin Corporation                                                                   | 08/04/2014 | 2983992 | 14782713.3 |        |
| 2984359 | Gates Corporation (a Delaware<br>corporation)                                                 | 03/04/2014 | 2984359 | 14723618.6 |        |
| 2984905 | Signify Holding B.V.                                                                          | 04/04/2014 | 2984905 | 14720261.8 |        |
| 2985210 | TOYOTA JIDOSHA KABUSHIKI<br>KAISHA                                                            | 08/04/2013 | 2985210 | 13881754.9 |        |
| 2985765 | FUJIKURA LTD.                                                                                 | 30/11/2011 | 2985765 | 15187625.7 |        |
| 2985842 | Nokia Solutions and Networks Oy                                                               | 15/08/2014 | 2985842 | 14181119.0 |        |
| 2986654 | Dentca, Inc.                                                                                  | 06/05/2014 | 2986654 | 14784578.8 |        |
| 2986694 | The Lubrizol Corporation                                                                      | 07/04/2014 | 2986694 | 14724256.4 |        |
| 2987032 | E. I. du Pont de Nemours and Company                                                          | 16/04/2014 | 2987032 | 14724956.9 |        |
| 2987068 | Samsung Electronics Co., Ltd.                                                                 | 15/04/2014 | 2987068 | 14785255.2 |        |
| 2987435 | FRANKE Kaffeemaschinen AG                                                                     | 11/08/2015 | 2987435 | 15180481.2 | German |
| 2987606 | Krones AG                                                                                     | 20/08/2014 | 2987606 | 14181643.9 | German |
| 2989336 | Nuovo Pignone S.r.l.                                                                          | 24/04/2014 | 2989336 | 14720088.5 |        |
| 2990603 | Pratt & Whitney Canada Corp.                                                                  | 26/08/2015 | 2990603 | 15182547.8 |        |
| 2990666 | Bryce Fastener Company, Inc.                                                                  | 11/08/2015 | 2990666 | 15180655.1 |        |
| 2990778 | SYSMEX CORPORATION                                                                            | 12/08/2015 | 2990778 | 15180737.7 |        |
| 2991622 | Paxtree Ltd.                                                                                  | 02/04/2014 | 2991622 | 14717496.5 |        |
| 2991811 | Paolino Bacci S.r.l.                                                                          | 29/04/2014 | 2991811 | 14731030.4 |        |
| 2992093 | Henkel AG & Co. KGaA                                                                          | 23/04/2014 | 2992093 | 14720548.8 | German |
| 2992298 | Safran Electronics & Defense                                                                  | 29/04/2014 | 2992298 | 14723387.8 | French |
| 2993541 | MTU Aero Engines AG                                                                           | 20/07/2015 | 2993541 | 15177419.7 | German |
| 2993649 | Glory Ltd.                                                                                    | 20/08/2015 | 2993649 | 15181818.4 |        |
| 2994831 | Convida Wireless, LLC                                                                         | 08/05/2014 | 2994831 | 14728783.3 |        |
| 2995170 | BlackBerry Limited                                                                            | 02/05/2014 | 2995170 | 14795117.2 |        |
| 2995182 | CNH Industrial Belgium nv                                                                     | 09/09/2015 | 2995182 | 15184414.9 |        |
| 2995279 | Pusan National University Industry -<br>University Cooperation Foundation<br>S&G Biotech, Inc | 16/04/2014 | 2995279 | 14794218.9 |        |
| 2995732 | ACO Severin Ahlmann GmbH & Co.<br>KG                                                          | 07/09/2015 | 2995732 | 15184102.0 | German |
| 2996107 | BOE Technology Group Co., Ltd.                                                                | 05/12/2013 | 2996107 | 13848103.1 |        |
| 2996150 | Samsung Electronics Co., Ltd.                                                                 | 13/08/2015 | 2996150 | 15180905.0 |        |

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|---------|------------------------------------------------------------------------------------------|------------|---------|------------|--------|
| 2996507 | NIKE Innovate C.V.                                                                       | 13/05/2014 | 2996507 | 14735699.2 |        |
| 2997283 | Eaton Corporation                                                                        | 16/05/2014 | 2997283 | 14798041.1 |        |
| 2997721 | Thomson Licensing                                                                        | 14/05/2013 | 2997721 | 13728855.1 |        |
| 2998051 | GDW Werkzeugmaschinen GmbH                                                               | 02/09/2015 | 2998051 | 15183532.9 | German |
| 2998617 | MAN Energy Solutions, filial af MAN Energy Solutions SE, Tyskland                        | 01/09/2015 | 2998617 | 15183264.9 |        |
| 2999491 | The Penn State Research Foundation<br>BOARD OF REGENTS THE<br>UNIVERSITY OF TEXAS SYSTEM | 21/05/2014 | 2999491 | 14731888.5 |        |
| 3000608 | Oji Holdings Corporation                                                                 | 20/05/2014 | 3000608 | 14801765.0 |        |
| 3001049 | Mitsubishi Hitachi Power Systems, Ltd.                                                   | 30/01/2014 | 3001049 | 15188732.0 |        |
| 3001213 | Qualcomm Incorporated                                                                    | 22/03/2006 | 3001213 | 15186065.7 |        |
| 3001271 | Siemens Aktiengesellschaft                                                               | 24/09/2014 | 3001271 | 14186212.8 | German |
| 3001511 | Guangdong Xinbao Electrical Appliances Holdings Co. Ltd.                                 | 23/05/2014 | 3001511 | 14801160.4 |        |
| 3001987 | Cook Medical Technologies LLC                                                            | 26/11/2008 | 3001987 | 15192170.7 |        |
| 3003041 | Syngenta Participations AG                                                               | 21/05/2014 | 3003041 | 14725191.2 |        |
| 3003427 | Bigfoot Biomedical, Inc.                                                                 | 02/06/2014 | 3003427 | 14807043.6 |        |
| 3003534 | LVD Acquisition, LLC                                                                     | 06/06/2014 | 3003534 | 14806926.3 |        |
| 3003744 | CNH Industrial Italia S.p.A.                                                             | 28/05/2014 | 3003744 | 14728152.1 |        |
| 3005552 | Qualcomm Incorporated                                                                    | 02/06/2014 | 3005552 | 14736117.4 |        |
| 3005973 | Seguro Dias, Gonalo Pires Antunes                                                       | 06/06/2014 | 3005973 | 14741992.3 |        |
| 3006387 | J.C. Bamford Excavators Ltd.                                                             | 02/09/2015 | 3006387 | 15183462.9 |        |
| 3006574 | Toyo Tanso Co., Ltd.                                                                     | 04/06/2014 | 3006574 | 14806927.1 |        |
| 3007213 | Fujimi Incorporated                                                                      | 02/05/2014 | 3007213 | 14807048.5 |        |
| 3009103 | St. Jude Medical, Cardiology Division, Inc.                                              | 28/09/2015 | 3009103 | 15187225.6 |        |
| 3009257 | Stelia Aerospace                                                                         | 16/10/2015 | 3009257 | 15190141.0 | French |
| 3009267 | Müller Martini Holding AG                                                                | 13/10/2015 | 3009267 | 15189581.0 | German |
| 3009588 | D&M KG                                                                                   | 22/07/2015 | 3009588 | 15177873.5 | German |
| 3009934 | BULL                                                                                     | 30/09/2015 | 3009934 | 15187546.5 | French |
| 3010330 | Seminis Vegetable Seeds, Inc.                                                            | 13/06/2014 | 3010330 | 14814153.4 |        |
| 3011183 | Heraeus Deutschland GmbH & Co. KG                                                        | 20/06/2014 | 3011183 | 14735467.4 | German |
| 3012146 | Delta Tooling Co., Ltd.                                                                  | 11/06/2014 | 3012146 | 14814012.2 |        |
| 3012264 | Suntory Holdings Limited                                                                 | 10/06/2014 | 3012264 | 14810329.4 |        |
| 3012889 | SUMITOMO METAL MINING CO., LTD.                                                          | 13/06/2014 | 3012889 | 14812925.7 |        |

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| 3013722 | Koenig & Bauer AG                                                                                                                             | 04/12/2014 | 3013722 | 14806329.0 | German |
| 3013845 | Forendo Pharma Ltd                                                                                                                            | 25/06/2014 | 3013845 | 14742253.9 |        |
| 3013944 | University of Southern California                                                                                                             | 24/06/2014 | 3013944 | 14818738.8 |        |
| 3014271 | X-Body, Inc.                                                                                                                                  | 20/06/2014 | 3014271 | 14816936.0 |        |
| 3014588 | Giesecke+Devrient Currency<br>Technology GmbH                                                                                                 | 26/06/2014 | 3014588 | 14736619.9 | German |
| 3014589 | Giesecke+Devrient Currency<br>Technology GmbH                                                                                                 | 26/06/2014 | 3014589 | 14733089.8 | German |
| 3015710 | MITSUBISHI HEAVY INDUSTRIES<br>THERMAL SYSTEMS, LTD.                                                                                          | 16/06/2014 | 3015710 | 14831427.1 |        |
| 3016034 | NewSouth Innovations Pty Limited<br>University of Melbourne                                                                                   | 03/11/2015 | 3016034 | 15192761.3 |        |
| 3016222 | LSIS Co., Ltd.                                                                                                                                | 24/06/2015 | 3016222 | 15173616.2 |        |
| 3017277 | The Boeing Company                                                                                                                            | 01/04/2014 | 3017277 | 14727106.8 |        |
| 3017601 | Qualcomm Incorporated                                                                                                                         | 30/06/2014 | 3017601 | 14741753.9 |        |
| 3017667 | MELECS EWS GmbH & Co KG                                                                                                                       | 01/07/2014 | 3017667 | 14735557.2 | German |
| 3017937 | AIRBUS OPERATIONS (SAS)                                                                                                                       | 09/11/2015 | 3017937 | 15193648.1 | French |
| 3018390 | Robert Bosch GmbH                                                                                                                             | 02/11/2015 | 3018390 | 15192565.8 | German |
| 3018686 | Xiamen Hongfa Electric Power<br>Controls Co., Ltd.                                                                                            | 30/05/2014 | 3018686 | 14820573.5 |        |
| 3018747 | Sony Corporation                                                                                                                              | 04/08/2014 | 3018747 | 14836846.7 |        |
| 3019201 | The United States of America, as<br>represented by the Secretary,<br>Department of Health and Human<br>Services<br>Baylor College Of Medicine | 09/07/2014 | 3019201 | 14745037.3 |        |
| 3019302 | Safilo Società Azionaria Fabbrica<br>Italiana Lavorazione Occhiali S.p.A.                                                                     | 27/06/2014 | 3019302 | 14747718.6 |        |
| 3019638 | United Technologies Corporation                                                                                                               | 09/07/2014 | 3019638 | 14822973.5 |        |
| 3019957 | Thales                                                                                                                                        | 09/07/2014 | 3019957 | 14736856.7 | French |
| 3020593 | Toyota Jidosha Kabushiki Kaisha                                                                                                               | 12/11/2015 | 3020593 | 15194332.1 |        |
| 3020732 | Hanmi Pharm. Co., Ltd.                                                                                                                        | 14/07/2014 | 3020732 | 14822721.8 |        |
| 3021363 | LG Display Co., Ltd.                                                                                                                          | 12/11/2015 | 3021363 | 15194213.3 |        |
| 3021372 | Hodogaya Chemical Co., Ltd.                                                                                                                   | 01/07/2014 | 3021372 | 14823323.2 |        |
| 3021631 | Sharp Kabushiki Kaisha                                                                                                                        | 10/07/2014 | 3021631 | 14823355.4 |        |
| 3021684 | Brandeis University                                                                                                                           | 08/07/2014 | 3021684 | 14825863.5 |        |
| 3021727 | Alfred Kärcher SE & Co. KG                                                                                                                    | 18/07/2013 | 3021727 | 13739686.7 | German |

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|---------|---------------------------------------------|------------|---------|------------|--------|
| 3021761 | Devicor Medical Products, Inc.              | 18/07/2014 | 3021761 | 14825919.5 |        |
| 3021772 | Warsaw Orthopedic, Inc.                     | 03/07/2014 | 3021772 | 14825597.9 |        |
| 3021961 | Watt Fuel Cell Corp.                        | 18/07/2014 | 3021961 | 14752458.1 |        |
| 3021991 | C.D. Wälzholz GmbH                          | 16/07/2014 | 3021991 | 14750684.4 | German |
| 3022030 | Skinprotect Corporation SDN BHD             | 16/07/2014 | 3022030 | 14826641.4 |        |
| 3022068 | Studio Silfor s.r.o.                        | 14/07/2014 | 3022068 | 14747508.1 |        |
|         | Valásek, Michael                            |            |         |            |        |
|         | Kovár, Josef                                |            |         |            |        |
|         | CVUT V Praze, Fakulta Strojní               |            |         |            |        |
| 3022247 | DSM IP Assets B.V.                          | 09/07/2014 | 3022247 | 14739757.4 |        |
| 3022299 | Danisco US Inc.                             | 18/07/2014 | 3022299 | 14750838.6 |        |
| 3022779 | Lumileds Holding B.V.                       | 17/07/2014 | 3022779 | 14766210.0 |        |
| 3023326 | Mando Corporation                           | 18/12/2014 | 3023326 | 14199072.1 |        |
| 3023389 | BSN medical GmbH                            | 05/07/2006 | 3023389 | 15197731.1 | German |
| 3023509 | Mitsubishi Hitachi Power Systems, Ltd.      | 17/07/2013 | 3023509 | 13889448.0 |        |
| 3023803 | Crocus Technology S.A.                      | 19/11/2014 | 3023803 | 14290351.7 |        |
| 3023953 | Honeywell International Inc.                | 11/11/2015 | 3023953 | 15194171.3 |        |
| 3024024 | NSK Ltd.                                    | 06/10/2014 | 3024024 | 14855368.8 |        |
| 3024123 | Moog Japan Ltd.                             | 11/07/2014 | 3024123 | 14825671.2 |        |
|         | NIPPON STEEL CORPORATION                    |            |         |            |        |
| 3025071 | Litens Automotive Partnership               | 24/07/2014 | 3025071 | 14828753.5 |        |
| 3025181 | BRANTNER & ASSOCIATES, INC.                 | 21/07/2014 | 3025181 | 14833415.4 |        |
| 3025197 | Orthogonal Inc.                             | 23/07/2014 | 3025197 | 14828695.8 |        |
| 3025229 | Airwatch LLC                                | 23/07/2014 | 3025229 | 14829456.4 |        |
| 3026278 | SKF MAGNETIC MECHATRONICS                   | 27/11/2014 | 3026278 | 14306912.8 |        |
| 3026488 | LG Display Co., Ltd.                        | 24/09/2015 | 3026488 | 15186697.7 |        |
| 3028206 | LG Electronics Inc.                         | 22/07/2014 | 3028206 | 14831890.0 |        |
| 3028227 | ExxonMobil Research and Engineering Company | 28/07/2014 | 3028227 | 14750413.8 |        |
| 3028641 | Samsung Medison Co., Ltd.                   | 30/11/2015 | 3028641 | 15197048.0 |        |
| 3029016 | Bestrong International Limited              | 01/12/2014 | 3029016 | 14195574.0 |        |
| 3029690 | LG Innotek Co., Ltd.                        | 16/11/2015 | 3029690 | 15194681.1 |        |
| 3030283 | Fresenius Medical Care Holdings, Inc.       | 29/07/2014 | 3030283 | 14750904.6 |        |
| 3030391 | Occitanie Pierres                           | 11/08/2014 | 3030391 | 14786950.7 | French |
| 3030466 | Jaguar Land Rover Limited                   | 29/07/2014 | 3030466 | 14744365.9 |        |
| 3030571 | Yeda Research and Development Co. Ltd       | 07/08/2014 | 3030571 | 14834903.8 |        |

|         |                                                            |            |         |            |        |
|---------|------------------------------------------------------------|------------|---------|------------|--------|
| 3030876 | Proper Pipe Ehf.<br>Mencos, Ruben Adolfo                   | 08/08/2014 | 3030876 | 14762098.3 |        |
| 3031287 | Intel IP Corporation                                       | 08/08/2014 | 3031287 | 14834641.4 |        |
| 3031658 | Siemens Mobility GmbH                                      | 12/12/2014 | 3031658 | 14197729.8 | German |
| 3031990 | HL Hutterer & Lechner GmbH                                 | 11/12/2014 | 3031990 | 14197351.1 | German |
| 3032684 | AI ALPINE US BIDCO INC.                                    | 30/11/2015 | 3032684 | 15197002.7 |        |
| 3033204 | The Gillette Company LLC                                   | 16/08/2013 | 3033204 | 13753245.3 |        |
| 3034815 | United Technologies Corporation                            | 15/12/2015 | 3034815 | 15200193.9 |        |
| 3035292 | Samsung Electronics Co., Ltd.                              | 11/12/2015 | 3035292 | 15199614.7 |        |
| 3037193 | KUKA Systems Aerospace<br>Skein Integrated Systems LLC     | 22/12/2014 | 3037193 | 14307145.4 |        |
| 3037953 | Konica Minolta, Inc.                                       | 21/12/2015 | 3037953 | 15201576.4 |        |
| 3038339 | Hewlett-Packard Development<br>Company, L.P.               | 01/10/2015 | 3038339 | 15187987.1 |        |
| 3038544 | Tensor Surgical, Inc.                                      | 28/08/2014 | 3038544 | 14841288.5 |        |
| 3038630 | MIMEDX Group Inc.                                          | 28/08/2014 | 3038630 | 14838972.9 |        |
| 3038769 | GKN EVO eDrive Systems Limited                             | 13/08/2014 | 3038769 | 14758615.0 |        |
| 3038831 | Hewlett-Packard Development<br>Company, L.P.               | 29/08/2013 | 3038831 | 13892092.1 |        |
| 3039722 | Hamamatsu Photonics K.K.                                   | 29/08/2014 | 3039722 | 14761567.8 |        |
| 3039925 | MediaTek Singapore Pte. Ltd.                               | 08/10/2014 | 3039925 | 14851890.5 |        |
| 3040798 | Mitsubishi Electric Corporation                            | 28/08/2014 | 3040798 | 14839539.5 |        |
| 3041474 | Genentech, Inc.<br>Constellation Pharmaceuticals, Inc.     | 04/09/2014 | 3041474 | 14766355.3 |        |
| 3041848 | Tubitak-Turkiye Bilimsel ve Teknolojik<br>Arastirma Kurumu | 05/09/2013 | 3041848 | 13798734.3 |        |
| 3041910 | ISP Investments LLC                                        | 30/07/2014 | 3041910 | 14843030.9 |        |
| 3042249 | Essilor International                                      | 03/09/2014 | 3042249 | 14758926.1 |        |
| 3042271 | Apple Inc.                                                 | 03/09/2014 | 3042271 | 14772002.3 |        |
| 3042531 | LG Electronics Inc.                                        | 04/09/2014 | 3042531 | 14842776.8 |        |
| 3042707 | A.L. Filter Co., Ltd.                                      | 30/11/2015 | 3042707 | 15196972.2 |        |
| 3042765 | Yupo Corporation                                           | 04/09/2014 | 3042765 | 14843040.8 |        |
| 3042869 | ZEPF Technologies UK Limited                               | 04/01/2016 | 3042869 | 16150092.1 |        |
| 3043030 | United Technologies Corporation                            | 16/12/2015 | 3043030 | 15200315.8 |        |

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|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------|------------|--------|
| 3043161 | Bundesrepublik Deutschland, vertreten durch den Bundesminister für Wirtschaft und Energie<br>Fraunhofer Gesellschaft zur Förderung der angewandten Forschung e.V. | 18/12/2015 | 3043161 | 15201195.3 | German |
| 3043534 | Efficient IP SAS                                                                                                                                                  | 07/01/2015 | 3043534 | 15305012.5 |        |
| 3043911 | GVS S.p.A.                                                                                                                                                        | 08/09/2014 | 3043911 | 14844810.3 |        |
| 3043993 | The Patent Well LLC<br>Boyd, Matt                                                                                                                                 | 12/09/2014 | 3043993 | 14843364.2 |        |
| 3044123 | Werner, Hans Jürgen<br>Fazekas, Gábor                                                                                                                             | 09/09/2014 | 3044123 | 14783551.6 | German |
| 3044337 | Rutgers, the State University of New Jersey                                                                                                                       | 10/09/2014 | 3044337 | 14844412.8 |        |
| 3044551 | Eaton Corporation                                                                                                                                                 | 09/09/2014 | 3044551 | 14766378.5 |        |
| 3044795 | Micron Technology, Inc.                                                                                                                                           | 26/08/2014 | 3044795 | 14844632.1 |        |
| 3044931 | Nokia Solutions and Networks Oy                                                                                                                                   | 10/09/2013 | 3044931 | 13760038.3 |        |
| 3044961 | Qualcomm Incorporated                                                                                                                                             | 12/09/2014 | 3044961 | 14776962.4 |        |
| 3045441 | DAIKIN INDUSTRIES, LTD.                                                                                                                                           | 13/01/2016 | 3045441 | 16150996.3 |        |
| 3045862 | Hitachi Construction Machinery Co., Ltd.                                                                                                                          | 09/07/2014 | 3045862 | 14843761.9 |        |
| 3046019 | Samsung Electronics Co., Ltd.                                                                                                                                     | 18/01/2016 | 3046019 | 16151717.2 |        |
| 3046202 | LSIS Co., Ltd.                                                                                                                                                    | 13/11/2015 | 3046202 | 15194414.7 |        |
| 3046803 | Vestas Wind Systems A/S                                                                                                                                           | 09/09/2014 | 3046803 | 14765863.7 |        |
| 3046983 | Klingspor AG                                                                                                                                                      | 29/05/2015 | 3046983 | 15738244.1 | German |
| 3047325 | Carl Zeiss Microscopy GmbH                                                                                                                                        | 08/08/2014 | 3047325 | 14749822.4 | German |
| 3047510 | Micromass UK Limited                                                                                                                                              | 17/09/2014 | 3047510 | 14772424.9 |        |
| 3047514 | Micromass UK Limited                                                                                                                                              | 17/09/2014 | 3047514 | 14772426.4 |        |
| 3047572 | Altera Corporation                                                                                                                                                | 22/09/2014 | 3047572 | 14845182.6 |        |
| 3047954 | Kuraray Co., Ltd.                                                                                                                                                 | 18/09/2014 | 3047954 | 14846570.1 |        |
| 3048006 | Cera TSC                                                                                                                                                          | 19/01/2016 | 3048006 | 16151952.5 | French |
| 3048410 | Diehl Defence GmbH & Co. KG                                                                                                                                       | 08/01/2016 | 3048410 | 16000016.2 | German |
| 3048795 | Saturn Licensing LLC                                                                                                                                              | 23/06/2014 | 3048795 | 14845627.0 |        |
| 3049774 | Micro Motion, Inc.                                                                                                                                                | 26/08/2014 | 3049774 | 14761524.9 |        |
| 3050103 | Intel Corporation                                                                                                                                                 | 27/09/2013 | 3050103 | 13894123.2 |        |
| 3050174 | Commissariat à l'Énergie Atomique et aux Énergies Alternatives                                                                                                    | 16/09/2014 | 3050174 | 14766480.9 | French |
| 3050646 | United Technologies Corporation                                                                                                                                   | 25/01/2016 | 3050646 | 16152528.2 |        |



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|----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|-------------------|---------|------------|--------|
| 3051109                                                                    | Hitachi Automotive Systems, Ltd.                                                                                           | 13/06/2014        | 3051109 | 14848423.1 |        |
| 3052191                                                                    | Kadimastem Ltd.                                                                                                            | 23/09/2014        | 3052191 | 14851149.6 |        |
| 3052863                                                                    | BSH Hausgeräte GmbH                                                                                                        | 09/09/2014        | 3052863 | 14777180.2 | German |
| 3053296                                                                    | Qualcomm Incorporated                                                                                                      | 01/10/2014        | 3053296 | 14793347.7 |        |
| 3053698                                                                    | Rolls-Royce plc                                                                                                            | 08/01/2016        | 3053698 | 16150554.0 |        |
| 3053763                                                                    | KABUSHIKI KAISHA TOYOTA<br>JIDOSHOKKI                                                                                      | 25/01/2016        | 3053763 | 16152511.8 |        |
| 3054333                                                                    | Corning Optical Communications LLC                                                                                         | 05/02/2015        | 3054333 | 15153965.7 |        |
| 3054552                                                                    | Korea Electric Power Corporation                                                                                           | 30/09/2013        | 3054552 | 13894732.0 |        |
| 3054619                                                                    | HFI Innovation Inc.                                                                                                        | 21/06/2012        | 3054619 | 16162438.2 |        |
| 3055073                                                                    | Aptar Radolfzell GmbH                                                                                                      | 11/09/2014        | 3055073 | 14762016.5 | German |
| 3055282                                                                    | Elevance Renewable Sciences, Inc.                                                                                          | 30/09/2014        | 3055282 | 14783985.6 |        |
| 3055755                                                                    | Microsoft Technology Licensing, LLC                                                                                        | 07/10/2014        | 3055755 | 14793675.1 |        |
| 3055993                                                                    | Dolby Laboratories Licensing Corp.                                                                                         | 02/10/2014        | 3055993 | 14851669.3 |        |
| 3056530                                                                    | LG Chem, Ltd.                                                                                                              | 05/09/2014        | 3056530 | 14841797.5 |        |
| 3056907                                                                    | F. Hoffmann-La Roche AG                                                                                                    | 11/02/2015        | 3056907 | 15154675.1 |        |
| 3056935                                                                    | Korea Optron Corp.                                                                                                         | 11/10/2013        | 3056935 | 13895294.0 |        |
| 3057407                                                                    | INRAD Technologies B.V.                                                                                                    | 17/10/2014        | 3057407 | 14786184.3 | German |
| 3057776                                                                    | Xjet Ltd.                                                                                                                  | 17/10/2014        | 3057776 | 14853583.4 |        |
| 3058171                                                                    | ES Xplore, L.L.C.                                                                                                          | 14/10/2014        | 3058171 | 14854508.0 |        |
| 3058676                                                                    | Qualcomm Incorporated                                                                                                      | 25/09/2014        | 3058676 | 14783967.4 |        |
| 3058693                                                                    | Nokia Solutions and Networks Oy                                                                                            | 18/10/2013        | 3058693 | 13783881.9 |        |
| 3059308                                                                    | National University Corporation<br>Kumamoto University                                                                     | 16/10/2014        | 3059308 | 14853879.6 |        |
| 3059775                                                                    | Kyulux, Inc.                                                                                                               | 12/09/2014        | 3059775 | 14846505.7 |        |
| 3060001                                                                    | ZTE Corporation                                                                                                            | 16/05/2014        | 3060001 | 14795069.5 |        |
| 3060652                                                                    | Cambridge Enterprise Limited                                                                                               | 06/10/2014        | 3060652 | 14781860.3 |        |
| 3060839                                                                    | Swagelok Company                                                                                                           | 22/10/2014        | 3060839 | 14856769.6 |        |
| 3061781                                                                    | Nippon Soda Co., Ltd.                                                                                                      | 21/10/2014        | 3061781 | 14856067.5 |        |
| 3064021                                                                    | Qualcomm Incorporated                                                                                                      | 30/10/2014        | 3064021 | 14800199.3 |        |
| 3064123                                                                    | Karl Storz SE & Co. KG                                                                                                     | 01/06/2010        | 3064123 | 16158046.9 | German |
| 3064671                                                                    | Okamura Corporation                                                                                                        | 31/10/2014        | 3064671 | 14859040.9 |        |
| 3064918                                                                    | Soongsil University Research<br>Consortium Techno-Park<br>Industry-University Cooperation<br>Foundation Hanyang University | 30/12/2015        | 3064918 | 15203121.7 |        |
| 3066794                                                                    | Qualcomm Incorporated                                                                                                      | 07/11/2014        | 3066794 | 14810049.8 |        |

|         |                                                       |            |         |            |        |
|---------|-------------------------------------------------------|------------|---------|------------|--------|
| 3068215 | T.F.H. Publications, Inc.                             | 22/10/2014 | 3068215 | 14861477.9 |        |
| 3068411 | Oncolytics Biotech Inc.                               | 12/11/2014 | 3068411 | 14861625.3 |        |
| 3068861 | Ecolab USA Inc.                                       | 10/11/2014 | 3068861 | 14860353.3 |        |
| 3069700 | Avedro, Inc.                                          | 28/06/2007 | 3069700 | 16164607.0 | German |
| 3070589 | ZTE Corporation                                       | 18/04/2014 | 3070589 | 14874799.1 |        |
| 3071472 | Bayerische Motoren Werke<br>Aktiengesellschaft        | 07/10/2014 | 3071472 | 14781542.7 | German |
| 3071901 | Dynaes                                                | 21/11/2014 | 3071901 | 14824055.9 | French |
| 3072504 | AcelRx Pharmaceuticals, Inc.                          | 08/01/2007 | 3072504 | 16163199.9 |        |
| 3072569 | Kabushiki Kaisha Kobe Seiko Sho<br>(Kobe Steel, Ltd.) | 22/10/2014 | 3072569 | 14863253.2 |        |
| 3072742 | Goodrich Lighting Systems GmbH                        | 26/03/2015 | 3072742 | 15161048.2 |        |
| 3072893 | Beijing Forelandpharma Co. Ltd.                       | 14/11/2014 | 3072893 | 14863847.1 |        |
| 3073120 | Gree Electric Appliances, Inc. of<br>Zhuhai           | 24/07/2014 | 3073120 | 14864790.2 |        |
| 3073190 | Bld Oriental Co., Ltd.                                | 14/11/2014 | 3073190 | 14862292.1 |        |
| 3074103 | Dynamic Motion Group GmbH                             | 08/04/2014 | 3074103 | 14865704.2 |        |
| 3074134 | STC.UNM                                               | 26/11/2014 | 3074134 | 14865949.3 |        |
| 3074587 | Mantovani & Vicentini S.r.L.                          | 26/11/2014 | 3074587 | 14866176.2 |        |
| 3074602 | United Technologies Corporation                       | 29/09/2014 | 3074602 | 14876036.6 |        |
| 3074609 | Safran Aircraft Engines                               | 19/11/2014 | 3074609 | 14809494.9 | French |
| 3074658 | LORD Corporation                                      | 11/08/2014 | 3074658 | 14753442.4 |        |
| 3074876 | Amazon Technologies, Inc.                             | 25/11/2014 | 3074876 | 14864410.7 |        |
| 3075094 | Marvell World Trade Ltd.                              | 26/11/2014 | 3075094 | 14812851.5 |        |
| 3075103 | Bridgeworks Limited                                   | 28/11/2014 | 3075103 | 14806376.1 |        |
| 3075262 | Nissin Foods Holdings Co., Ltd.                       | 28/11/2014 | 3075262 | 14866382.6 |        |
| 3076138 | Itron Global SARL                                     | 02/04/2015 | 3076138 | 15290091.6 |        |
| 3077059 | L'Oréal                                               | 02/12/2014 | 3077059 | 14806253.2 |        |
| 3077061 | Galephar M/F                                          | 03/12/2014 | 3077061 | 14806269.8 | French |
| 3077165 | BIC-Violex S.A.                                       | 05/12/2013 | 3077165 | 13799322.6 |        |
| 3077458 | Borealis AG                                           | 01/12/2014 | 3077458 | 14805597.3 |        |
| 3077705 | Caps International B.V.                               | 03/12/2014 | 3077705 | 14810037.3 |        |
| 3077773 | Apator Miitors ApS                                    | 03/12/2013 | 3077773 | 13802870.9 |        |
| 3078148 | Sony Corporation                                      | 03/10/2014 | 3078148 | 14780502.2 |        |
| 3078961 | The Yokohama Rubber Co., Ltd.                         | 28/11/2014 | 3078961 | 14868137.2 |        |
| 3079122 | Chaos Software Ltd.                                   | 15/05/2015 | 3079122 | 16157620.2 |        |
| 3079878 | Diab International AB                                 | 10/12/2014 | 3079878 | 14870041.2 |        |

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|--------------|-------------------------------------------------------------------------------------------|---------------------------------------------------------------|---------|------------|--------|
| 3079997      | JT International SA                                                                       | 24/11/2014                                                    | 3079997 | 14802433.4 |        |
| 3080548      | HATCH PTY LTD                                                                             | 09/12/2014                                                    | 3080548 | 14869160.3 |        |
| 3080707      | Amazon Technologies, Inc.                                                                 | 11/12/2014                                                    | 3080707 | 14869705.5 |        |
| 3080830      | Eaton Corporation                                                                         | 30/10/2014                                                    | 3080830 | 14799286.1 |        |
| 3081417      | Bestop, Inc.                                                                              | 15/04/2016                                                    | 3081417 | 16165631.9 |        |
| 3081798      | United Technologies Corporation                                                           | 12/04/2016                                                    | 3081798 | 16164848.0 |        |
| 3082040      | Intel Corporation                                                                         | 28/12/2011                                                    | 3082040 | 16167185.4 |        |
| 3083036      | 3M Innovative Properties Company                                                          | 16/12/2014                                                    | 3083036 | 14824678.8 |        |
| 3083184      | The Procter & Gamble Company                                                              | 19/12/2014                                                    | 3083184 | 14825060.8 |        |
| 3083466      | Otis Elevator Company                                                                     | 18/12/2013                                                    | 3083466 | 13899429.8 |        |
| 3083945      | Julius-Maximilians-Universität<br>Würzburg                                                | 18/12/2014                                                    | 3083945 | 14821606.2 |        |
| 3084047      | Technological University Dublin                                                           | 19/12/2014                                                    | 3084047 | 14827209.9 |        |
| 3084049      | Safran Helicopter Engines<br>Messier-Bugatti-Dowty                                        | 17/12/2014                                                    | 3084049 | 14828223.9 | French |
| 3084433      | F. Hoffmann-La Roche AG                                                                   | 19/12/2014                                                    | 3084433 | 14825324.8 |        |
| 3084536      | AIRBUS (SAS)                                                                              | 15/12/2014                                                    | 3084536 | 14815313.3 | French |
| 3084583      | DAV                                                                                       | 18/12/2014                                                    | 3084583 | 14827463.2 | French |
| 3085159      | Google Technology Holdings LLC                                                            | 16/12/2014                                                    | 3085159 | 14827927.6 |        |
| 3085414      | BIOTRONIK SE & Co. KG                                                                     | 06/04/2016                                                    | 3085414 | 16164037.0 |        |
| 3085773      | XBiotech, Inc                                                                             | 01/06/2009                                                    | 3085773 | 16164746.6 |        |
| 3085794      | AXOLABS GmbH                                                                              | 06/10/2009                                                    | 3085794 | 16169301.5 |        |
| 3086201      | Samsung Electronics Co., Ltd.                                                             | 21/04/2016                                                    | 3086201 | 16166490.9 |        |
| 3086558      | Panasonic Intellectual Property<br>Corporation of America                                 | 10/12/2014                                                    | 3086558 | 14872559.1 |        |
| 3086949      | Pirelli Tyre S.p.A.                                                                       | 11/12/2014                                                    | 3086949 | 14830623.6 |        |
| 3087090      | University of Durham<br>The Secretary of State for Environment,<br>Food and Rural Affairs | 11/12/2014                                                    | 3087090 | 14821247.5 |        |
| 3087503      | Intel Corporation                                                                         | 24/12/2013                                                    | 3087503 | 13900305.7 |        |
| 3087799      | Intel Corporation                                                                         | 23/12/2014                                                    | 3087799 | 14873257.1 |        |
| 3088031      | Fisher & Paykel Healthcare Limited                                                        | 23/01/2008                                                    | 3088031 | 16158954.4 |        |
| 3088158      | Nordson PPS GmbH                                                                          | 29/04/2015                                                    | 3088158 | 15165817.6 |        |
| 3089205      | Huawei Technologies Co., Ltd.                                                             | 22/01/2014                                                    | 3089205 | 14879857.2 |        |
| 3089262      | Huawei Device Co., Ltd.                                                                   | 17/02/2014                                                    | 3089262 | 14882576.3 |        |
| 3089714      | Yetik, Hüseyin                                                                            | 15/07/2014                                                    | 3089714 | 14784384.1 |        |
| 3089814      | Medi-Physics, Inc.                                                                        | 22/12/2014                                                    | 3089814 | 14821647.6 |        |

|         |                                        |            |         |            |        |
|---------|----------------------------------------|------------|---------|------------|--------|
| 3090462 | Gridtential Energy, Inc.               | 30/12/2014 | 3090462 | 14877474.8 |        |
| 3090783 | Trzmiel, Alfred                        | 27/04/2016 | 3090783 | 16000956.9 | German |
| 3090916 | Bombardier Transportation GmbH         | 02/05/2016 | 3090916 | 16167855.2 | German |
| 3091400 | Samsung Electronics Co., Ltd.          | 19/04/2016 | 3091400 | 16166067.5 |        |
| 3091512 | Visual Technology Services Ltd.        | 15/04/2016 | 3091512 | 16165600.4 |        |
| 3091915 | Upstream Peripheral Technologies Ltd.  | 08/01/2015 | 3091915 | 15703841.5 |        |
| 3092025 | Hollister Incorporated                 | 08/01/2015 | 3092025 | 15701868.0 |        |
| 3092871 | Signify Holding B.V.                   | 23/12/2014 | 3092871 | 14828471.4 |        |
| 3093326 | Kyulux, Inc.                           | 27/11/2014 | 3093326 | 14866266.1 |        |
| 3093893 | Nichia Corporation                     | 13/05/2016 | 3093893 | 16169538.2 |        |
| 3093987 | NXP USA, Inc.                          | 29/04/2016 | 3093987 | 16167641.6 |        |
| 3094151 | ZTE Corporation                        | 06/08/2014 | 3094151 | 14878080.2 |        |
| 3094821 | Newlenoir Limited                      | 13/01/2015 | 3094821 | 15700165.2 |        |
| 3094858 | Chantiers de l'Atlantique              | 15/01/2015 | 3094858 | 15700574.5 | French |
| 3095573 | Mitsubishi Chemical Corporation        | 07/01/2015 | 3095573 | 15737836.5 |        |
| 3096645 | HCP Packaging USA, Inc.                | 23/01/2015 | 3096645 | 15740343.7 |        |
| 3097014 | Robodub Inc.                           | 20/01/2015 | 3097014 | 15702614.7 |        |
| 3097396 | Honeywell International Inc.           | 14/01/2015 | 3097396 | 15702060.3 |        |
| 3097960 | Bauer Hockey Ltd.                      | 15/07/2011 | 3097960 | 16162546.2 |        |
| 3097996 | SMS group GmbH                         | 27/05/2016 | 3097996 | 16171836.6 | German |
| 3098578 | Mettler-Toledo, LLC                    | 03/05/2016 | 3098578 | 16168096.2 |        |
| 3099143 | Helvar Oy Ab                           | 29/05/2015 | 3099143 | 15169832.1 |        |
| 3099801 | Factor Bioscience Inc.                 | 30/01/2015 | 3099801 | 15743915.9 |        |
| 3099818 | Pécsi Tudományegyetem                  | 30/01/2015 | 3099818 | 15707424.6 |        |
|         | Bay Zoltán Alkalmazott Kutatási        |            |         |            |        |
|         | Közhasznú Nonprofit KFT.               |            |         |            |        |
| 3100539 | Telefonaktiebolaget LM Ericsson (publ) | 28/01/2015 | 3100539 | 15704615.2 |        |
| 3100613 | St. Hubert                             | 01/06/2016 | 3100613 | 16001234.0 | French |
| 3101517 | Sumitomo Metal Mining Co., Ltd.        | 29/01/2015 | 3101517 | 15743069.5 |        |
| 3101702 | Kyocera Corporation                    | 25/09/2014 | 3101702 | 14881111.0 |        |
| 3102121 | Covidien LP                            | 11/11/2014 | 3102121 | 14881855.2 |        |
| 3102244 | Oncomatrix Biopharma, S.L.             | 04/02/2015 | 3102244 | 15705778.7 |        |
| 3102641 | Hemmelrath Technologies GmbH           | 03/02/2014 | 3102641 | 14722524.7 | German |
| 3103055 | Sypris Electronics, LLC                | 14/01/2015 | 3103055 | 15746175.7 |        |
| 3103308 | Samsung Electronics Co., Ltd.          | 31/03/2015 | 3103308 | 15772367.7 |        |
| 3103620 | Gunyang Itt Co., Ltd.                  | 08/07/2015 | 3103620 | 15818781.5 |        |
| 3103637 | UPM Raflatac Oy                        | 24/05/2016 | 3103637 | 16397516.2 |        |

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| 3103694      | Hyundai Motor Company<br>Kia Motors Corporation                                          | 17/09/2015                                                    | 3103694 | 15185649.9 |        |
| 3103785      | OCCIDENTAL CHEMICAL<br>CORPORATION                                                       | 12/02/2014                                                    | 3103785 | 16176359.4 |        |
| 3104135      | National University Corporation<br>Kagawa University                                     | 26/01/2015                                                    | 3104135 | 15743603.1 |        |
| 3104819      | Prodromus Spolka z.o.o.                                                                  | 14/02/2014                                                    | 3104819 | 14714804.3 |        |
| 3106022      | Deere & Company                                                                          | 30/05/2016                                                    | 3106022 | 16171881.2 | German |
| 3107281      | IMEC VZW                                                                                 | 17/06/2015                                                    | 3107281 | 15172562.9 |        |
| 3108266      | Brainlab AG                                                                              | 13/01/2014                                                    | 3108266 | 14701156.3 |        |
| 3108339      | Fraunhofer-Gesellschaft zur Förderung<br>der angewandten Forschung e.V.                  | 23/02/2015                                                    | 3108339 | 15707871.8 | German |
| 3110676      | Init Innovative Informatikanwendungen<br>In Transport Verkehrs- Und<br>Leitsystemen GmbH | 13/07/2015                                                    | 3110676 | 15753311.8 | German |
| 3111083      | Viventus Holding B.v.<br>E.J.H. Kuipers B.V.                                             | 10/12/2014                                                    | 3111083 | 14830895.0 |        |
| 3113221      | Rohde & Schwarz GmbH & Co. KG                                                            | 02/07/2015                                                    | 3113221 | 15174978.5 |        |
| 3113346      | Hitachi Automotive Systems, Ltd.                                                         | 19/01/2015                                                    | 3113346 | 15755400.7 |        |
| 3113714      | Form And Function Dental Services<br>P.C.                                                | 18/09/2014                                                    | 3113714 | 14780705.1 |        |
| 3113839      | Medizinische Hochschule Hannover                                                         | 27/02/2015                                                    | 3113839 | 15709630.6 |        |
| 3114007      | JTEKT Europe                                                                             | 27/02/2015                                                    | 3114007 | 15713207.7 | French |
| 3115703      | Siemens Schweiz AG                                                                       | 20/04/2016                                                    | 3115703 | 16166129.3 |        |
| 3117834      | Infinitus (China) Company Ltd.                                                           | 13/07/2016                                                    | 3117834 | 16179138.9 |        |
| 3118144      | Schachner, Franz<br>Gruber, Reinhard                                                     | 06/07/2016                                                    | 3118144 | 16178146.3 | German |
| 3118238      | AlzChem Trostberg GmbH                                                                   | 31/07/2013                                                    | 3118238 | 16185935.0 | German |
| 3119063      | The Boeing Company                                                                       | 15/07/2016                                                    | 3119063 | 16179809.5 |        |
| 3119143      | Telefonaktiebolaget LM Ericsson (publ)                                                   | 29/03/2012                                                    | 3119143 | 16186180.2 |        |
| 3119162      | Samsung Electronics Co., Ltd.                                                            | 07/12/2015                                                    | 3119162 | 15198258.4 |        |
| 3119199      | Agios Pharmaceuticals, Inc.                                                              | 20/03/2015                                                    | 3119199 | 15764391.7 |        |
| 3119376      | Questa Corporation                                                                       | 15/04/2015                                                    | 3119376 | 15783777.4 |        |
| 3120120      | Canada Pipeline Accessories, Co. Ltd.                                                    | 18/03/2015                                                    | 3120120 | 15765676.0 |        |
| 3121409      | Rolls-Royce Corporation<br>Rolls-Royce North American<br>Technologies, Inc.              | 18/07/2016                                                    | 3121409 | 16179930.9 |        |

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|---------|-------------------------------------------------------------------------|------------|---------|------------|--------|
| 3121412 | Garrett Transportation I Inc.                                           | 13/07/2016 | 3121412 | 16179365.8 |        |
| 3121527 | Aereco GmbH                                                             | 21/07/2016 | 3121527 | 16180542.9 | German |
| 3121691 | Huawei Device Co., Ltd.                                                 | 18/03/2014 | 3121691 | 14886251.9 |        |
| 3121813 | Fraunhofer-Gesellschaft zur Förderung<br>der angewandten Forschung e.V. | 28/01/2014 | 3121813 | 16176505.2 |        |
| 3121900 | Huawei Technologies Co. Ltd.                                            | 30/04/2014 | 3121900 | 14891056.5 |        |
| 3122034 | Axis AB                                                                 | 29/03/2012 | 3122034 | 16184317.2 |        |
| 3122069 | Samsung Electronics Co., Ltd.                                           | 22/06/2016 | 3122069 | 16175634.1 |        |
| 3122554 | PerkinElmer Health Sciences, Inc.                                       | 27/03/2015 | 3122554 | 15769279.9 |        |
| 3122593 | Eurotecdesign Limited                                                   | 24/03/2015 | 3122593 | 15714037.7 |        |
| 3122621 | Bluemarine Offshore Yard Service B.V.                                   | 30/03/2015 | 3122621 | 15719855.7 |        |
| 3123295 | Microsoft Technology Licensing, LLC                                     | 23/03/2015 | 3123295 | 15719879.7 |        |
| 3123927 | FUJIFILM Corporation                                                    | 14/07/2016 | 3123927 | 16179473.0 |        |
| 3124004 | STORZ MEDICAL AG                                                        | 27/07/2015 | 3124004 | 15178506.0 | German |
| 3124254 | Dover Europe Sàrl                                                       | 29/07/2016 | 3124254 | 16181969.3 |        |
| 3124297 | Yorozu Corporation                                                      | 27/03/2014 | 3124297 | 14887365.6 |        |
| 3125024 | LG Display Co., Ltd.                                                    | 30/12/2015 | 3125024 | 15203067.2 |        |
| 3126014 | Tyco Fire Products LP                                                   | 01/04/2015 | 3126014 | 15716363.5 |        |
| 3126266 | ECEPLAST S.r.l.                                                         | 04/04/2014 | 3126266 | 14732647.4 |        |
| 3126720 | Valeo Systèmes De Contrôle Moteur                                       | 31/03/2015 | 3126720 | 15717580.3 | French |
| 3126805 | Endress+Hauser SE+Co. KG                                                | 24/03/2015 | 3126805 | 15712339.9 | German |
| 3126835 | Abaxis, Inc.                                                            | 03/04/2015 | 3126835 | 15772535.9 |        |
| 3126915 | Preciflex SA                                                            | 07/04/2015 | 3126915 | 15722581.4 |        |
| 3127373 | CSL (Dualcom) Limited                                                   | 20/03/2015 | 3127373 | 15713002.2 |        |
| 3127630 | Sorkin, Felix, L.                                                       | 21/07/2016 | 3127630 | 16180573.4 |        |
| 3127665 | Makita Corporation                                                      | 01/08/2016 | 3127665 | 16182197.0 |        |
| 3127697 | Rolls-Royce plc                                                         | 18/06/2012 | 3127697 | 16187348.4 |        |
| 3128465 | SATO HOLDINGS KABUSHIKI<br>KAISHA                                       | 28/07/2014 | 3128465 | 14888521.3 |        |
| 3129317 | Actsafes Systems AB                                                     | 31/03/2015 | 3129317 | 15714204.3 |        |
| 3129451 | Subcoal International B.V.                                              | 07/04/2015 | 3129451 | 15715231.5 |        |
| 3129473 | Cellectis S.A.                                                          | 10/04/2015 | 3129473 | 15715273.7 |        |

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| 3130534 | Shanghai Aircraft Manufacturing Co., Ltd<br>Commercial Aircraft Corporation Of China Ltd<br>Commercial Aircraft Corporation Of China Ltd Shanghai Aircraft Design and Research Institute | 29/09/2015 | 3130534 | 15846306.7 |        |
| 3130682 | Centrillion Technology Holdings Corporation                                                                                                                                              | 12/08/2016 | 3130682 | 16184101.0 |        |
| 3130863 | Commercial Aircraft Corporation Of China Ltd<br>Commercial Aircraft Corporation Of China Ltd Shanghai Aircraft Design and Research Institute                                             | 22/09/2015 | 3130863 | 15844501.5 |        |
| 3131425 | NIKE Innovate C.V.                                                                                                                                                                       | 14/04/2015 | 3131425 | 15719361.6 |        |
| 3131898 | Lomox Limited                                                                                                                                                                            | 17/04/2015 | 3131898 | 15727031.5 |        |
| 3132041 | Kupatt, Christian Hinkel, Rabea                                                                                                                                                          | 13/04/2015 | 3132041 | 15717456.6 | German |
| 3132341 | Google LLC                                                                                                                                                                               | 14/04/2015 | 3132341 | 15724802.2 |        |
| 3132649 | Qualcomm Incorporated                                                                                                                                                                    | 10/04/2015 | 3132649 | 15719066.1 |        |
| 3132741 | Samsung Electronics Co., Ltd.                                                                                                                                                            | 18/08/2016 | 3132741 | 16184698.5 |        |
| 3133170 | Rutgers, the State University of New Jersey                                                                                                                                              | 10/09/2009 | 3133170 | 16180033.9 |        |
| 3133186 | Carrier Corporation                                                                                                                                                                      | 27/07/2016 | 3133186 | 16181398.5 |        |
| 3133233 | Nissho Industrial Co., Ltd.<br>Yuki Corporation                                                                                                                                          | 09/03/2015 | 3133233 | 15779661.6 |        |
| 3133668 | LG Chem, Ltd.                                                                                                                                                                            | 31/03/2015 | 3133668 | 15780686.0 |        |
| 3134058 | Becton Dickinson and Company Limited                                                                                                                                                     | 21/04/2015 | 3134058 | 15721425.5 |        |
| 3134087 | Pfizer Inc.                                                                                                                                                                              | 09/04/2015 | 3134087 | 15718387.2 |        |
| 3134471 | Sun Chemical Corporation                                                                                                                                                                 | 21/04/2015 | 3134471 | 15783305.4 |        |
| 3134905 | LEONI Kabel GmbH                                                                                                                                                                         | 27/04/2015 | 3134905 | 15723847.8 | German |
| 3135166 | Essity Hygiene and Health Aktiebolag                                                                                                                                                     | 12/01/2007 | 3135166 | 16185186.0 |        |
| 3135640 | Socabelec S.A.                                                                                                                                                                           | 26/08/2015 | 3135640 | 15182604.7 | French |
| 3136167 | QUALCOMM Incorporated                                                                                                                                                                    | 29/07/2008 | 3136167 | 16190939.5 |        |
| 3136284 | FUJITSU LIMITED                                                                                                                                                                          | 19/07/2016 | 3136284 | 16180105.5 |        |
| 3136782 | ZTE Corporation                                                                                                                                                                          | 08/08/2014 | 3136782 | 14890138.2 |        |

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| 3138379 | Panasonic Corporation                                     | 30/08/2016 | 3138379 | 16186350.1 |        |
| 3138554 | JGC Corporation                                           | 20/06/2016 | 3138554 | 16175343.9 |        |
|         | Industrial Technology Research<br>Institute               |            |         |            |        |
| 3138677 | Re-match (UK) Limited                                     | 21/10/2013 | 3138677 | 16178625.6 |        |
| 3138741 | Valeo Systèmes d'Essuyage                                 | 26/08/2016 | 3138741 | 16185944.2 |        |
| 3138849 | Mathys AG Bettlach                                        | 12/05/2016 | 3138849 | 16169348.6 | German |
| 3139060 | Desch Antriebstechnik GmbH & Co.<br>KG                    | 06/09/2016 | 3139060 | 16187435.9 | German |
| 3139131 | Harman International Industries,<br>Incorporated          | 02/08/2016 | 3139131 | 16182392.7 |        |
| 3139134 | Airbus Operations Limited                                 | 25/08/2016 | 3139134 | 16185654.7 |        |
|         | Airbus Operations GmbH                                    |            |         |            |        |
| 3139253 | BOE Technology Group Co., Ltd.                            | 29/08/2014 | 3139253 | 14859316.3 |        |
| 3140110 | Korsch AG                                                 | 06/05/2015 | 3140110 | 15722984.0 | German |
| 3140138 | Bayerische Motoren Werke<br>Aktiengesellschaft            | 09/04/2015 | 3140138 | 15715250.5 | German |
| 3140141 | ZF Friedrichshafen AG                                     | 09/04/2015 | 3140141 | 15715246.3 | German |
| 3140180 | Caldioli, Matteo Diego                                    | 06/05/2015 | 3140180 | 15732045.8 |        |
| 3140407 | Research Foundation Of The City<br>University Of New York | 11/05/2015 | 3140407 | 15789568.1 |        |
| 3140768 | Citrix Systems, Inc.                                      | 04/05/2015 | 3140768 | 15724845.1 |        |
| 3140913 | Sony Corporation                                          | 05/05/2014 | 3140913 | 14727246.2 |        |
| 3141102 | Deere & Company                                           | 16/08/2016 | 3141102 | 16184276.0 |        |
| 3141276 | Promisemed Hangzhou Meditech Co.,<br>Ltd.                 | 14/10/2015 | 3141276 | 15855618.3 |        |
| 3141318 | Böllhoff Verbindungstechnik GmbH                          | 04/08/2016 | 3141318 | 16182856.1 | German |
| 3141527 | Kabushiki Kaisha Toshiba                                  | 08/09/2016 | 3141527 | 16187789.9 |        |
| 3141550 | Samsung Electronics Co., Ltd.                             | 01/09/2016 | 3141550 | 16186849.2 |        |
|         | Samsung SDI Co., Ltd.                                     |            |         |            |        |
| 3141811 | GEWISS S.p.A.                                             | 02/09/2016 | 3141811 | 16001929.5 |        |
| 3142425 | Samsung Electronics Co., Ltd.                             | 13/09/2016 | 3142425 | 16188630.4 |        |
| 3142526 | Société des Produits Nestlé S.A.                          | 08/05/2015 | 3142526 | 15723874.2 |        |
| 3142627 | The Procter & Gamble Company                              | 15/05/2014 | 3142627 | 14891821.2 |        |
| 3142826 | Acergy France SAS                                         | 13/05/2015 | 3142826 | 15744650.1 |        |
| 3142915 | DOZOP HOLDINGS LLC                                        | 14/07/2014 | 3142915 | 14826575.4 |        |



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| 3143076 | PERFORMANCE POLYAMIDES<br>S.A.S.                                                                                  | 11/05/2015 | 3143076 | 15720736.6 |        |
| 3143315 | Belimo Holding AG                                                                                                 | 05/05/2015 | 3143315 | 15720983.4 |        |
| 3143788 | Telefonaktiebolaget LM Ericsson (publ)                                                                            | 12/05/2014 | 3143788 | 14725063.3 |        |
| 3143860 | Positec Power Tools (Suzhou) Co., Ltd                                                                             | 16/05/2015 | 3143860 | 15793059.5 |        |
| 3143961 | Zipprich, Holger                                                                                                  | 05/05/2011 | 3143961 | 16191828.9 | German |
| 3144390 | The Broad Institute, Inc.<br>Massachusetts Institute of Technology<br>President and Fellows of Harvard<br>College | 12/12/2013 | 3144390 | 16194919.3 |        |
| 3144486 | Rolls-Royce plc                                                                                                   | 12/09/2016 | 3144486 | 16188333.5 |        |
| 3144506 | Hamilton Sundstrand Corporation                                                                                   | 06/09/2016 | 3144506 | 16187382.3 |        |
| 3144853 | Continental Automotive GmbH                                                                                       | 18/09/2015 | 3144853 | 15185771.1 |        |
| 3145036 | Academia Sinica                                                                                                   | 02/09/2016 | 3145036 | 16187012.6 |        |
| 3145496 | Dow Global Technologies LLC                                                                                       | 28/04/2015 | 3145496 | 15721953.6 |        |
| 3146545 | Hydro-Québec                                                                                                      | 20/05/2015 | 3146545 | 15796685.4 | French |
| 3146761 | Qualcomm Incorporated                                                                                             | 12/06/2015 | 3146761 | 15735771.6 |        |
| 3146875 | Lee, Wen-Ching                                                                                                    | 09/09/2016 | 3146875 | 16187944.0 |        |
| 3147438 | OTLAV S.p.A                                                                                                       | 28/09/2016 | 3147438 | 16191196.1 |        |
| 3147604 | BSH Hausgeräte GmbH                                                                                               | 02/09/2016 | 3147604 | 16187093.6 | German |
| 3148020 | NGK Spark Plug Co., Ltd.                                                                                          | 20/09/2016 | 3148020 | 16189735.0 |        |
| 3148683 | THEMIS S.r.l.                                                                                                     | 28/05/2015 | 3148683 | 15734449.0 |        |
| 3148700 | Agilent Technologies, Inc.                                                                                        | 02/06/2015 | 3148700 | 15741622.3 |        |
| 3149642 | Atlanta DTH Inc.                                                                                                  | 01/06/2015 | 3149642 | 15802663.3 |        |
| 3149990 | T-Mobile USA, Inc.                                                                                                | 18/05/2015 | 3149990 | 15799788.3 |        |
| 3150086 | Vitra Patente AG                                                                                                  | 30/09/2015 | 3150086 | 15187723.0 | German |
| 3150369 | AUTOMATED PACKAGING<br>SYSTEMS, INC.                                                                              | 31/05/2005 | 3150369 | 16186688.4 |        |
| 3150429 | Dorin, Jacques                                                                                                    | 26/03/2016 | 3150429 | 16000717.5 | French |
| 3150469 | Yerka Chile S.p.A.                                                                                                | 22/05/2015 | 3150469 | 15799402.1 |        |
| 3150513 | Explin Iris, SL                                                                                                   | 21/05/2015 | 3150513 | 15800379.8 |        |
| 3151478 | Juniper Networks, Inc.                                                                                            | 27/09/2016 | 3151478 | 16190897.5 |        |
| 3151520 | Efficient IP SAS                                                                                                  | 02/10/2015 | 3151520 | 15306553.7 |        |
| 3152196 | BASF SE                                                                                                           | 05/06/2015 | 3152196 | 15725391.5 |        |
| 3152456 | Titus d.o.o. Dekani                                                                                               | 29/05/2015 | 3152456 | 15726936.6 |        |
| 3152477 | Lumileds Holding B.V.                                                                                             | 18/05/2015 | 3152477 | 15722230.8 |        |
| 3152699 | Microsoft Technology Licensing, LLC                                                                               | 02/06/2015 | 3152699 | 15747591.4 |        |

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| 3152963 | Sony Corporation                                                             | 26/11/2014 | 3152963 | 14805244.2 |        |
| 3153372 | MAN Truck & Bus SE                                                           | 10/08/2016 | 3153372 | 16001776.0 | German |
| 3153508 | Kyoto Pharmaceutical Industries, Ltd.<br>Sumitomo Dainippon Pharma Co., Ltd. | 09/06/2015 | 3153508 | 15807132.4 |        |
| 3153633 | AMFAG S.R.L.                                                                 | 06/10/2016 | 3153633 | 16192513.6 |        |
| 3154065 | LG Chem, Ltd.                                                                | 17/09/2015 | 3154065 | 15841191.8 |        |
| 3154392 | The Procter & Gamble Company                                                 | 11/06/2015 | 3154392 | 15795031.2 |        |
| 3154658 | IHC Holland IE B.V.                                                          | 16/06/2015 | 3154658 | 15734271.8 |        |
| 3154841 | MICROSISTEMI S.R.L.                                                          | 09/06/2015 | 3154841 | 15732432.8 |        |
| 3155229 | General Electric Company                                                     | 06/05/2015 | 3155229 | 15722402.3 |        |
| 3155369 | SZ DJI Technology Co., Ltd.                                                  | 26/06/2015 | 3155369 | 15871319.8 |        |
| 3155604 | Huet, Antoine                                                                | 16/06/2015 | 3155604 | 15736548.7 | French |
| 3155720 | Telefonaktiebolaget LM Ericsson (publ)                                       | 12/06/2015 | 3155720 | 15730294.4 |        |
| 3156135 | Rolls-Royce Deutschland Ltd & Co KG                                          | 10/08/2016 | 3156135 | 16183568.1 | German |
| 3156638 | Vitesco Technologies GmbH                                                    | 14/10/2015 | 3156638 | 15189838.4 |        |
| 3156871 | Fisher-Rosemount Systems, Inc.                                               | 12/10/2016 | 3156871 | 16193584.6 |        |
| 3157040 | Advanced Fusion Systems LLC                                                  | 05/10/2011 | 3157040 | 16186926.8 |        |
| 3157495 | Cosmetic Warriors Limited                                                    | 10/06/2015 | 3157495 | 15729905.8 |        |
| 3157688 | LIG GmbH                                                                     | 16/06/2015 | 3157688 | 15734313.8 | German |
| 3157739 | Pirelli Tyre S.p.A.                                                          | 19/06/2015 | 3157739 | 15739012.1 |        |
| 3157917 | Proteostasis Therapeutics, Inc.                                              | 19/06/2015 | 3157917 | 15735795.5 |        |
| 3158281 | Alcon Inc.                                                                   | 17/06/2014 | 3158281 | 14734035.0 |        |
| 3158455 | Liqid Inc.                                                                   | 23/06/2015 | 3158455 | 15812033.7 |        |
| 3158694 | Big Switch Networks, Inc.                                                    | 17/07/2015 | 3158694 | 15747664.9 |        |
| 3158845 | Kuhn S.A.                                                                    | 13/10/2016 | 3158845 | 16193685.1 | French |
| 3159011 | Medivis S.R.L.                                                               | 20/10/2016 | 3159011 | 16194896.3 |        |
| 3159294 | Murata Machinery, Ltd.                                                       | 24/10/2016 | 3159294 | 16195332.8 |        |
| 3159783 | FUJITSU LIMITED                                                              | 22/09/2016 | 3159783 | 16190091.5 |        |
| 3159972 | Switchlab Inc.<br>Switchlab (Shanghai) Co., Ltd.                             | 19/10/2016 | 3159972 | 16194537.3 |        |
| 3160136 | Panasonic Intellectual Property<br>Management Co., Ltd.                      | 29/05/2015 | 3160136 | 15810548.6 |        |
| 3160267 | Philip Morris Products S.A.                                                  | 22/06/2015 | 3160267 | 15730191.2 |        |
| 3160812 | Renault S.A.S.                                                               | 03/06/2015 | 3160812 | 15733788.2 | French |
| 3161426 | Fresenius Medical Care Deutschland<br>GmbH                                   | 16/06/2015 | 3161426 | 15732566.3 | German |
| 3161687 | Microsoft Technology Licensing, LLC                                          | 29/06/2015 | 3161687 | 15745608.8 |        |

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| 3161902 | ViaSat, Inc.                                                                          | 26/06/2015 | 3161902 | 15739395.0 |        |
| 3162066 | Qualcomm Incorporated                                                                 | 25/06/2015 | 3162066 | 15734800.4 |        |
| 3162775 | Furukawa Electric Co. Ltd.                                                            | 25/06/2015 | 3162775 | 15811785.3 |        |
| 3163067 | Caterpillar Inc.                                                                      | 27/10/2016 | 3163067 | 16196061.2 |        |
| 3163833 | Huawei Technologies Co., Ltd.                                                         | 04/02/2015 | 3163833 | 15829052.8 |        |
| 3164289 | BorgWarner Sweden AB                                                                  | 02/07/2015 | 3164289 | 15736807.7 |        |
| 3164331 | Recaro Aircraft Seating GmbH & Co. KG                                                 | 02/07/2015 | 3164331 | 15733464.0 | German |
| 3165337 | Stanley Black & Decker, Inc.                                                          | 03/11/2016 | 3165337 | 16197116.3 |        |
| 3165368 | SII Printek Inc                                                                       | 08/11/2016 | 3165368 | 16197818.4 |        |
| 3165544 | Zeon Corporation                                                                      | 03/07/2015 | 3165544 | 15814869.2 |        |
| 3165888 | NXP USA, Inc.                                                                         | 03/11/2016 | 3165888 | 16197072.8 |        |
| 3166448 | CONTRA VISION LIMITED                                                                 | 07/07/2015 | 3166448 | 15744359.9 |        |
| 3166517 | Truminim LLC                                                                          | 07/07/2015 | 3166517 | 15819652.7 |        |
| 3166578 | L'Oréal                                                                               | 01/07/2015 | 3166578 | 15732727.1 | French |
| 3166580 | L'Oréal                                                                               | 01/07/2015 | 3166580 | 15732729.7 | French |
| 3166706 | Hydac Filtertechnik GmbH                                                              | 09/06/2015 | 3166706 | 15727560.3 | German |
| 3166956 | Galecto Biotech AB                                                                    | 06/07/2015 | 3166956 | 15734170.2 |        |
| 3166980 | Bromine Compounds Ltd.                                                                | 07/07/2015 | 3166980 | 15754039.4 |        |
| 3167293 | Expression Pathology, Inc.                                                            | 13/07/2015 | 3167293 | 15819454.8 |        |
| 3167770 | SAAA SAS - SYSTEMES D'AUTOMATISMES D'ALARMES AUTOMATIQUES                             | 09/11/2016 | 3167770 | 16198011.5 | French |
| 3167779 | Neumaerker, Harald<br>Eichinger, Alexander<br>Scheiblaue, Oliver<br>Neumaerker, Karin | 11/11/2015 | 3167779 | 15194049.1 | German |
| 3168170 | NPC Co., Ltd.                                                                         | 13/11/2014 | 3168170 | 14897382.9 |        |
| 3168422 | United Technologies Corporation                                                       | 11/11/2016 | 3168422 | 16198410.9 |        |
| 3168545 | Peschke, Ulf                                                                          | 07/11/2016 | 3168545 | 16197462.1 | German |
| 3169257 | Teleflex Medical Incorporated                                                         | 14/07/2015 | 3169257 | 15822363.6 |        |
| 3169656 | BASF Corporation                                                                      | 15/07/2015 | 3169656 | 15822770.2 |        |
| 3169663 | Stamicarbon B.V. acting under the name of MT Innovation Center                        | 21/04/2015 | 3169663 | 15724381.7 |        |
| 3170607 | Kabushiki Kaisha Kobe Seiko Sho (Kobe Steel, Ltd.)                                    | 13/07/2015 | 3170607 | 15821482.5 |        |

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| 3171031 | Eberspächer Climate Control Systems GmbH & Co. KG                 | 14/11/2016 | 3171031 | 16198616.1 | German |
| 3171238 | FUJI Corporation                                                  | 03/09/2012 | 3171238 | 16205916.6 |        |
| 3171245 | GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD.              | 24/09/2015 | 3171245 | 15891026.5 |        |
| 3171517 | MediaTek Inc.                                                     | 19/09/2016 | 3171517 | 16189406.8 |        |
| 3171821 | Anew IOL Technologies, Inc.                                       | 24/07/2015 | 3171821 | 15824633.0 |        |
| 3172080 | FAURECIA Sièges d'Automobile                                      | 29/06/2015 | 3172080 | 15751046.2 | French |
| 3172547 | ams International AG                                              | 23/07/2015 | 3172547 | 15738946.1 |        |
| 3172658 | Giesecke+Devrient Mobile Security GmbH                            | 16/07/2015 | 3172658 | 15742180.1 | German |
| 3172873 | Cisco Technology, Inc.                                            | 14/07/2015 | 3172873 | 15747636.7 |        |
| 3173237 | Canon Kabushiki Kaisha<br>Océ Printing Systems GmbH & Co. KG      | 21/12/2015 | 3173237 | 16204220.4 |        |
| 3173713 | THERMO KING CORPORATION                                           | 30/11/2016 | 3173713 | 16201454.2 |        |
| 3173762 | Sikorsky Aircraft Corporation                                     | 23/11/2016 | 3173762 | 16200309.9 |        |
| 3173769 | LYNCEE TEC SA                                                     | 16/08/2011 | 3173769 | 16200615.9 |        |
| 3173847 | Honeywell International Inc.                                      | 07/11/2016 | 3173847 | 16197596.6 |        |
| 3174352 | Sharp Kabushiki Kaisha                                            | 17/09/2015 | 3174352 | 15843333.4 |        |
| 3174392 | Dow AgroSciences LLC                                              | 28/07/2015 | 3174392 | 15827989.3 |        |
| 3174968 | The Procter & Gamble Company                                      | 28/07/2015 | 3174968 | 15748394.2 |        |
| 3175383 | CV Cryptovision GmbH<br>Bundesdruckerei GmbH                      | 23/07/2015 | 3175383 | 15741541.5 | German |
| 3175792 | Vatech Co., Ltd.<br>Vatech Ewoo Holdings Co., Ltd.                | 29/07/2015 | 3175792 | 15826603.1 |        |
| 3175800 | Covidien LP                                                       | 30/11/2016 | 3175800 | 16201370.0 |        |
| 3175944 | Gebr. Lennartz GmbH & Co. KG                                      | 05/12/2016 | 3175944 | 16202241.2 | German |
| 3175988 | Kyocera Corporation                                               | 24/07/2015 | 3175988 | 15826699.9 |        |
| 3176474 | Nippon Piston Ring Co., Ltd.                                      | 22/07/2015 | 3176474 | 15826536.3 |        |
| 3177038 | CSMC Technologies Fab2 Co., Ltd.                                  | 25/06/2015 | 3177038 | 15827631.1 |        |
| 3177317 | CSL Limited                                                       | 24/07/2015 | 3177317 | 15741220.6 |        |
| 3177670 | University College Dublin, National University of Ireland, Dublin | 06/08/2015 | 3177670 | 15745509.8 |        |
| 3178130 | Samsung Electronics Co., Ltd.                                     | 28/10/2015 | 3178130 | 15855788.4 |        |
| 3178407 | Covidien LP                                                       | 09/12/2016 | 3178407 | 16203270.0 |        |
| 3178447 | Zimmer, Inc.                                                      | 12/12/2016 | 3178447 | 16203566.1 |        |

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| 3178474 | LO. LI. Pharma S.r.l.                                             | 22/03/2012 | 3178474 | 16202982.1 |        |
| 3178631 | SMRC Automotive Holdings<br>Netherlands B.V.                      | 08/12/2016 | 3178631 | 16306639.2 | French |
| 3179034 | United Technologies Corporation                                   | 08/12/2016 | 3179034 | 16203026.6 |        |
| 3179152 | LG Innotek Co., Ltd.                                              | 24/08/2012 | 3179152 | 16204859.9 |        |
| 3179330 | SeeScan, Inc.                                                     | 21/08/2011 | 3179330 | 14178558.4 |        |
| 3179344 | Alps Alpine Co., Ltd.                                             | 07/07/2015 | 3179344 | 15830567.2 |        |
| 3179472 | Sony Mobile Communications, Inc.                                  | 11/12/2015 | 3179472 | 15199546.1 |        |
| 3179784 | China Academy of Telecommunications<br>Technology                 | 28/07/2015 | 3179784 | 15829256.5 |        |
| 3179786 | Huawei Technologies Co., Ltd.                                     | 29/08/2014 | 3179786 | 14900341.0 |        |
| 3180135 | Krones AG                                                         | 26/06/2015 | 3180135 | 15739531.0 | German |
| 3180315 | Janssen Pharmaceuticals, Inc.                                     | 14/08/2015 | 3180315 | 15775837.6 |        |
| 3180328 | Rigel Pharmaceuticals, Inc.                                       | 14/08/2015 | 3180328 | 15753856.2 |        |
| 3180329 | Janssen Pharmaceuticals, Inc.                                     | 14/08/2015 | 3180329 | 15777754.1 |        |
| 3180424 | PharmaZell GmbH                                                   | 12/08/2015 | 3180424 | 15750704.7 | German |
| 3180534 | Schaeffler Technologies AG & Co. KG                               | 24/07/2015 | 3180534 | 15753313.4 | German |
| 3181145 | Caregen Co., Ltd.                                                 | 05/08/2014 | 3181145 | 14898450.3 |        |
| 3181151 | Promega Corporation                                               | 16/08/2012 | 3181151 | 17155379.5 |        |
| 3181313 | SWISS KRONO Tec AG                                                | 18/12/2015 | 3181313 | 15201298.5 | German |
| 3181693 | Intelligent Synthetic Biology Center                              | 13/05/2016 | 3181693 | 16793032.0 |        |
| 3182127 | Lifescan, Inc.                                                    | 29/12/2010 | 3182127 | 16200308.1 |        |
| 3182736 | HUAWEI TECHNOLOGIES CO.,<br>LTD.                                  | 28/08/2014 | 3182736 | 14900960.7 |        |
| 3183189 | Thielmann AG c/o Teka B.V.,<br>Amsterdam, Zug branch              | 19/08/2015 | 3183189 | 15760105.5 | German |
| 3183363 | ACOBION                                                           | 13/08/2015 | 3183363 | 15759902.8 | French |
| 3183473 | Flexible Steel Lacing Company                                     | 13/08/2015 | 3183473 | 15833143.9 |        |
| 3184587 | Borealis AG                                                       | 21/12/2015 | 3184587 | 15201635.8 |        |
| 3184958 | Liebherr-Verzahn Technik GmbH                                     | 09/12/2016 | 3184958 | 16203174.4 | German |
| 3185541 | STMicroelectronics (Research &<br>Development) Limited            | 23/12/2015 | 3185541 | 15202555.7 |        |
| 3185586 | GN Hearing A/S                                                    | 23/12/2015 | 3185586 | 15202394.1 |        |
| 3186017 | Shockwave ABF LLC                                                 | 28/08/2015 | 3186017 | 15835560.2 |        |
| 3186394 | THE COUNCIL OF THE<br>QUEENSLAND INSTITUTE OF<br>MEDICAL RESEARCH | 24/08/2015 | 3186394 | 15835092.6 |        |

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|---------|--------------------------------------------------------------------|------------|---------|------------|--------|
| 3186409 | Nuvera Fuel Cells, LLC                                             | 26/08/2015 | 3186409 | 15757628.1 |        |
| 3186570 | ABB Schweiz AG                                                     | 27/08/2015 | 3186570 | 15756160.6 |        |
| 3186734 | Synopsys, Inc.                                                     | 26/08/2015 | 3186734 | 15835735.0 |        |
| 3186992 | Huawei Technologies Co., Ltd.                                      | 24/08/2015 | 3186992 | 15836541.1 |        |
| 3187127 | Ethicon LLC                                                        | 30/12/2016 | 3187127 | 16207536.0 |        |
| 3187168 | Mediproduce Inc.                                                   | 09/10/2015 | 3187168 | 15848801.5 |        |
| 3187515 | Tokuyama Dental Corporation                                        | 25/08/2015 | 3187515 | 15836220.2 |        |
| 3187688 | General Electric Company                                           | 12/12/2016 | 3187688 | 16203546.3 |        |
| 3187722 | United Technologies Corporation                                    | 20/12/2016 | 3187722 | 16205474.6 |        |
| 3187953 | Honda Research Institute Europe GmbH                               | 30/12/2015 | 3187953 | 15203100.1 |        |
| 3188416 | Juniper Networks, Inc.                                             | 29/12/2016 | 3188416 | 16207414.0 |        |
| 3189398 | Tobii AB                                                           | 02/09/2015 | 3189398 | 15763752.1 |        |
| 3190085 | LG Chem, Ltd.                                                      | 10/12/2015 | 3190085 | 15867942.3 |        |
| 3190375 | Hierl, Thomas                                                      | 05/01/2017 | 3190375 | 17150407.9 | German |
| 3190734 | Huawei Technologies Co., Ltd.                                      | 31/10/2014 | 3190734 | 14905093.2 |        |
| 3190985 | Carag AG                                                           | 11/09/2015 | 3190985 | 15763304.1 |        |
| 3190994 | Medtronic Xomed, Inc.                                              | 02/09/2015 | 3190994 | 15770989.0 |        |
| 3191697 | SO.LA.IS. - SOCIETA' LAVORAZIONE ISOLANTI - S.R.L. CON UNICO SOCIO | 11/09/2015 | 3191697 | 15788190.5 |        |
| 3191918 | Hewlett-Packard Development Company, L.P.                          | 12/09/2014 | 3191918 | 14901565.3 |        |
| 3192098 | Qualcomm Incorporated                                              | 24/08/2015 | 3192098 | 15763137.5 |        |
| 3192224 | Telefonaktiebolaget LM Ericsson (publ)                             | 03/09/2014 | 3192224 | 14901150.4 |        |
| 3192328 | Signify Holding B.V.                                               | 07/09/2015 | 3192328 | 15760166.7 |        |
| 3192388 | Fidlock GmbH                                                       | 19/06/2014 | 3192388 | 17153328.4 |        |
| 3192538 | Stryker Corporation                                                | 13/12/2006 | 3192538 | 17000305.7 |        |
| 3192930 | Franke Water Systems AG                                            | 11/01/2017 | 3192930 | 17151012.6 | German |
| 3193368 | ams AG                                                             | 13/01/2016 | 3193368 | 16151134.0 |        |
| 3194127 | Shavelogic, Inc.                                                   | 11/08/2015 | 3194127 | 15833426.8 |        |
| 3195015 | IMI Systems Ltd.                                                   | 09/09/2015 | 3195015 | 15842426.7 |        |
| 3195068 | Kabushiki Kaisha Toshiba                                           | 17/09/2015 | 3195068 | 15780948.4 |        |
| 3195523 | Telefonaktiebolaget LM Ericsson (publ)                             | 20/08/2014 | 3195523 | 14899928.7 |        |
| 3196325 | Nippon Steel Corporation                                           | 13/08/2015 | 3196325 | 15838897.5 |        |
| 3196995 | Tanaka Kikinzoku Kogyo K.K.                                        | 11/09/2015 | 3196995 | 15841466.4 |        |
| 3197367 | Koninklijke Philips N.V.                                           | 22/09/2015 | 3197367 | 15767466.4 |        |

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| 3197475 | Tower S.r.l. u.s.<br>Bict Srl                                     | 21/09/2015 | 3197475 | 15775402.9 |        |
| 3197883 | Mission Therapeutics Limited                                      | 22/09/2015 | 3197883 | 15774652.0 |        |
| 3198064 | Seqonce Biosciences, Inc.<br>University of Southern California    | 24/09/2015 | 3198064 | 15845141.9 |        |
| 3198150 | MAHLE International GmbH                                          | 09/09/2015 | 3198150 | 15759482.1 | German |
| 3198155 | A-Fax Limited                                                     | 23/09/2015 | 3198155 | 15774658.7 |        |
| 3199078 | Altura Leiden Holding B.V.                                        | 18/01/2017 | 3199078 | 17151963.0 | German |
| 3199164 | Glaxo Group Limited<br>DMV-Fonterra Excipients Technology<br>GmbH | 06/02/2006 | 3199164 | 16191843.8 |        |
| 3199979 | Honeywell International Inc.                                      | 07/11/2016 | 3199979 | 16197624.6 |        |
| 3200089 | Sanechips Technology Co., Ltd.                                    | 14/04/2015 | 3200089 | 15850035.5 |        |
| 3200417 | Alibaba Group Holding Limited                                     | 18/09/2015 | 3200417 | 15844630.2 |        |
| 3201168 | CELLIX BIO PRIVATE LIMITED                                        | 20/11/2014 | 3201168 | 14835719.7 |        |
| 3201451 | Boost Mechanics (Pty) Limited                                     | 28/09/2015 | 3201451 | 15845957.8 |        |
| 3201602 | BD Kiestra B.V.                                                   | 29/09/2015 | 3201602 | 15808453.3 |        |
| 3201641 | Safran Electronics & Defense                                      | 29/09/2015 | 3201641 | 15778897.7 | French |
| 3201678 | tooz technologies GmbH                                            | 21/09/2015 | 3201678 | 15767139.7 | German |
| 3201740 | Microsoft Technology Licensing, LLC                               | 24/09/2015 | 3201740 | 15778818.3 |        |
| 3202044 | Commissariat à l'Énergie Atomique et<br>aux Énergies Alternatives | 24/09/2015 | 3202044 | 15767494.6 | French |
| 3203004 | Aug. Winkhaus GmbH & Co. KG                                       | 06/01/2017 | 3203004 | 17150521.7 | German |
| 3203229 | Sensirion AG                                                      | 06/04/2017 | 3203229 | 17165352.0 |        |
| 3203886 | Waco Pacific Ltd.                                                 | 08/10/2015 | 3203886 | 15848641.5 |        |
| 3203921 | Spinal Developments Pty Ltd                                       | 09/10/2015 | 3203921 | 15849272.8 |        |
| 3203959 | The Procter & Gamble Company                                      | 08/10/2015 | 3203959 | 15784244.4 |        |
| 3204658 | Audi AG                                                           | 09/09/2015 | 3204658 | 15763836.2 | German |
| 3204706 | USNR, LLC                                                         | 05/10/2015 | 3204706 | 15848169.7 |        |
| 3205160 | Telefonaktiebolaget LM Ericsson (publ)                            | 10/10/2014 | 3205160 | 14799237.4 |        |
| 3205862 | Hitachi Construction Machinery Co.,<br>Ltd.                       | 02/10/2015 | 3205862 | 15848729.8 |        |
| 3205982 | Volkswagen Aktiengesellschaft<br>AUDI AG                          | 16/08/2016 | 3205982 | 16184370.1 | German |
| 3206674 | Targeted Therapies Research and<br>Consulting Centre              | 19/10/2015 | 3206674 | 15781358.5 |        |
| 3206840 | Delex Teknik AB                                                   | 13/10/2015 | 3206840 | 15849926.9 |        |

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|---------|------------------------------------------|------------|---------|------------|--------|
| 3207315 | Swegon Operations AB                     | 15/10/2015 | 3207315 | 15850416.7 |        |
| 3208874 | Toray Industries, Inc.                   | 07/10/2015 | 3208874 | 15851244.2 |        |
| 3209305 | Sotio a.s.                               | 22/10/2015 | 3209305 | 15784371.5 |        |
| 3209393 | Total Gym Global Corp.                   | 09/10/2015 | 3209393 | 15852771.3 |        |
| 3209610 | Omya International AG                    | 20/10/2015 | 3209610 | 15781927.7 |        |
| 3209773 | DuPont Nutrition Biosciences ApS         | 23/10/2015 | 3209773 | 15793724.4 |        |
| 3210711 | Kawasaki Jukogyo Kabushiki Kaisha        | 22/10/2015 | 3210711 | 15852186.4 |        |
| 3211313 | General Electric Company                 | 22/12/2016 | 3211313 | 16206150.1 |        |
| 3212226 | NGM Biopharmaceuticals, Inc.             | 29/10/2015 | 3212226 | 15855147.3 |        |
| 3212372 | Alpla Werke Alwin Lehner GmbH & CO. KG   | 08/10/2015 | 3212372 | 15775718.8 | German |
| 3213456 | Meggitt Training Systems, Inc.           | 29/10/2015 | 3213456 | 15855543.3 |        |
| 3214132 | Toray Industries, Inc.                   | 29/10/2015 | 3214132 | 15854345.4 |        |
| 3214349 | NOK Corporation                          | 05/11/2015 | 3214349 | 15859612.2 |        |
| 3214923 | Lemmer Fullwood GmbH                     | 05/11/2015 | 3214923 | 15791584.4 | German |
| 3215086 | The Procter & Gamble Company             | 05/11/2015 | 3215086 | 15808293.3 |        |
| 3215443 | The Compost Bag Company                  | 30/10/2015 | 3215443 | 15787609.5 |        |
| 3215597 | Xylem Europe GmbH                        | 22/10/2015 | 3215597 | 15784364.0 | German |
| 3215892 | Merck Patent GmbH                        | 08/10/2015 | 3215892 | 15777878.8 |        |
| 3216829 | Hanwha Total Petrochemical Co., Ltd.     | 03/11/2015 | 3216829 | 15857221.4 |        |
| 3217578 | Rohde & Schwarz GmbH & Co. KG            | 07/12/2016 | 3217578 | 16202619.9 |        |
| 3217721 | Huawei Technologies Co., Ltd.            | 27/11/2015 | 3217721 | 15869196.4 |        |
| 3218155 | Barlog Plastics GmbH                     | 13/11/2014 | 3218155 | 14799397.6 | German |
| 3218623 | ElringKlinger AG                         | 10/11/2015 | 3218623 | 15791651.1 | German |
| 3219259 | Samsung Electronics Co., Ltd.            | 08/12/2016 | 3219259 | 16203003.5 |        |
| 3219462 | Fenwal, Inc.                             | 11/06/2015 | 3219462 | 17164830.6 |        |
| 3219581 | Hübner GmbH & Co. KG                     | 28/04/2016 | 3219581 | 16167498.1 | German |
| 3219709 | Vertex Pharmaceuticals Incorporated      | 31/01/2005 | 3219709 | 17166575.5 |        |
| 3220651 | Beijing Xiaomi Mobile Software Co., Ltd. | 28/11/2016 | 3220651 | 16200957.5 |        |
| 3220750 | Kalmarna Limited                         | 11/11/2015 | 3220750 | 15801252.6 |        |
| 3220766 | Nike Innovate C.V.                       | 06/11/2015 | 3220766 | 15797227.4 |        |
| 3221524 | Schreck, Hans                            | 13/11/2015 | 3221524 | 15807816.2 | German |
| 3221817 | Sony Corporation                         | 18/05/2015 | 3221817 | 15723226.5 |        |
| 3221994 | Samsung Electronics Co., Ltd.            | 19/11/2015 | 3221994 | 15861697.9 |        |
| 3222253 | Tornier                                  | 25/03/2016 | 3222253 | 16305351.5 |        |



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| 3222798      | Coöperatieve Vereniging PITH-Solutions U.A. | 23/03/2016                                                    | 3222798 | 16161916.8 |        |
| 3222830      | Hitachi Construction Machinery Co., Ltd     | 21/11/2014                                                    | 3222830 | 14906467.7 |        |
| 3222922      | Yanmar Co., Ltd.                            | 18/11/2015                                                    | 3222922 | 15860456.1 |        |
| 3222927      | Toshiba Carrier Corporation                 | 16/11/2015                                                    | 3222927 | 15861507.0 |        |
| 3223437      | Samsung Electronics Co., Ltd.               | 21/03/2017                                                    | 3223437 | 17162162.6 |        |
| 3224022      | Homag Bohrsysteme GmbH                      | 26/11/2015                                                    | 3224022 | 15801406.8 | German |
| 3224902      | Media Broadcast GmbH                        | 10/09/2015                                                    | 3224902 | 15767114.0 | German |
| 3225140      | Metos OY AB                                 | 16/03/2017                                                    | 3225140 | 17161327.6 |        |
| 3225178      | Ethicon LLC                                 | 31/03/2017                                                    | 3225178 | 17164089.9 |        |
| 3225206      | Covidien LP                                 | 29/09/2011                                                    | 3225206 | 17168924.3 |        |
| 3226118      | Canon Kabushiki Kaisha                      | 22/03/2017                                                    | 3226118 | 17162388.7 |        |
| 3226851      | Fujimoto Co. Ltd.<br>Simmelweis University  | 07/12/2015                                                    | 3226851 | 15825824.4 |        |
| 3226852      | Simmelweis University<br>Fujimoto Co. Ltd.  | 07/12/2015                                                    | 3226852 | 15825825.1 |        |
| 3227731      | Chevron U.S.A. Inc.                         | 20/03/2015                                                    | 3227731 | 15717304.8 |        |
| 3227943      | Keliber OY                                  | 02/12/2015                                                    | 3227943 | 15816811.2 |        |
| 3228135      | Telefonaktiebolaget LM Ericsson (publ)      | 05/12/2014                                                    | 3228135 | 14907260.5 |        |
| 3228146      | HFI Innovation Inc.                         | 26/01/2016                                                    | 3228146 | 16742739.2 |        |
| 3228303      | Kao Corporation                             | 17/11/2015                                                    | 3228303 | 15866022.5 |        |
| 3228968      | LG Electronics Inc.                         | 05/04/2017                                                    | 3228968 | 17164926.2 |        |
| 3229017      | Chiang, Cheng-Feng                          | 05/04/2017                                                    | 3229017 | 17165136.7 |        |
| 3229072      | Coretronic Corporation                      | 06/04/2017                                                    | 3229072 | 17165217.5 |        |
| 3229322      | LSIS Co., Ltd.                              | 24/10/2016                                                    | 3229322 | 16195246.0 |        |
| 3229352      | Mitsubishi Electric Corporation             | 01/12/2014                                                    | 3229352 | 14907552.5 |        |
| 3229468      | Sony Corporation                            | 02/11/2015                                                    | 3229468 | 15877935.5 |        |
| 3230255      | Golan, Ezekiel                              | 09/12/2015                                                    | 3230255 | 15867070.3 |        |
| 3230748      | Hewlett-Packard Development Company, L.P.   | 30/01/2015                                                    | 3230748 | 15880533.3 |        |
| 3230790      | Valeo Comfort and Driving Assistance        | 10/12/2015                                                    | 3230790 | 15817996.0 | French |
| 3231886      | POSCO                                       | 26/11/2015                                                    | 3231886 | 15866709.7 |        |
| 3232278      | NXP USA, Inc.                               | 11/04/2016                                                    | 3232278 | 16290067.4 |        |
| 3232669      | Huawei Technologies Co., Ltd.               | 24/12/2015                                                    | 3232669 | 15875174.3 |        |
| 3232801      | Société des Produits Nestlé S.A.            | 15/12/2015                                                    | 3232801 | 15817788.1 |        |
| 3233588      | U-Shin France                               | 26/11/2015                                                    | 3233588 | 15804356.2 | French |

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| 3233673 | TGW Logistics Group GmbH                                     | 17/12/2015 | 3233673 | 15828479.4 | German |
| 3234346 | Robert Bosch GmbH                                            | 26/10/2015 | 3234346 | 15784719.5 | German |
| 3234470 | Illinois Tool Works Inc.                                     | 02/12/2015 | 3234470 | 15818111.5 |        |
| 3235195 | INTEL Corporation                                            | 20/11/2015 | 3235195 | 15870603.6 |        |
| 3235213 | Dropbox, Inc.                                                | 20/11/2015 | 3235213 | 15805046.8 |        |
| 3235228 | Emerson Process Management LLLP                              | 03/11/2015 | 3235228 | 15870540.0 |        |
| 3235290 | Telefonaktiebolaget LM Ericsson (publ)                       | 17/12/2014 | 3235290 | 14818953.3 |        |
| 3235358 | Horsch Maschinen GmbH                                        | 19/04/2016 | 3235358 | 16166003.0 | German |
| 3235405 | Delta Kogyo Co., Ltd.                                        | 10/12/2015 | 3235405 | 15869877.9 |        |
| 3235580 | MTU Aero Engines AG                                          | 18/04/2017 | 3235580 | 17166731.4 | German |
| 3235666 | Hübner GmbH & Co. KG                                         | 18/04/2016 | 3235666 | 16165708.5 | German |
| 3235682 | Gröner, Karl                                                 | 11/04/2017 | 3235682 | 17165859.4 | German |
| 3236207 | InvenSense, Inc.                                             | 20/04/2017 | 3236207 | 17167255.3 |        |
| 3236514 | GS Yuasa International Ltd.                                  | 05/04/2017 | 3236514 | 17164886.8 |        |
| 3237102 | Arisdyne Systems, Inc.                                       | 21/12/2015 | 3237102 | 15874224.7 |        |
| 3237314 | GEICO S.p.A.                                                 | 15/12/2015 | 3237314 | 15825838.4 |        |
| 3237474 | Arkema France                                                | 14/12/2015 | 3237474 | 15823638.0 | French |
| 3237517 | Compagnie Générale des<br>Etablissements Michelin            | 28/12/2015 | 3237517 | 15832770.0 |        |
| 3237648 | H.E.F.                                                       | 15/12/2015 | 3237648 | 15821125.0 | French |
| 3237939 | Essilor International                                        | 18/12/2015 | 3237939 | 15825617.2 | French |
| 3238120 | McAfee, LLC                                                  | 09/12/2015 | 3238120 | 15874102.5 |        |
| 3239679 | SRAM, LLC.                                                   | 11/04/2017 | 3239679 | 17000618.3 |        |
| 3239948 | Coges S.p.A.                                                 | 19/04/2017 | 3239948 | 17167010.2 |        |
| 3240051 | NS Materials Inc.                                            | 21/12/2015 | 3240051 | 15872969.9 |        |
| 3240962 | WABCO Europe BVBA                                            | 03/12/2015 | 3240962 | 15804321.6 | German |
| 3241023 | JT International SA                                          | 21/12/2015 | 3241023 | 15817318.7 |        |
| 3241079 | University of Maryland, College Park<br>Earth Networks, Inc. | 31/12/2015 | 3241079 | 15876389.6 |        |
| 3241858 | Mitsubishi Chemical Corporation                              | 25/12/2013 | 3241858 | 17171296.1 |        |
| 3242133 | Beijing Hotgen Biotech Co., Ltd.                             | 30/12/2015 | 3242133 | 15875252.7 |        |
| 3242572 | L'OREAL                                                      | 05/01/2016 | 3242572 | 16700288.0 |        |
| 3243004 | Gardner Denver Nash LLC                                      | 08/01/2016 | 3243004 | 16735455.4 |        |
| 3243127 | Oracle International Corporation                             | 16/12/2015 | 3243127 | 15823265.2 |        |
| 3243292 | Interdigital Patent Holdings, Inc.                           | 08/01/2016 | 3243292 | 16712541.8 |        |
| 3243426 | Karl Storz Endovision, Inc.                                  | 02/05/2017 | 3243426 | 17000749.6 |        |
| 3243450 | Covidien LP                                                  | 09/05/2017 | 3243450 | 17170210.3 |        |

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| 3243580 | LEISTRITZ Turbinentechnik GmbH                                              | 09/05/2017 | 3243580 | 17170050.3 | German |
| 3244474 | Mitsui Mining & Smelting Co., Ltd.                                          | 09/12/2015 | 3244474 | 15876983.6 |        |
| 3244537 | BOE Technology Group Co., Ltd.                                              | 09/04/2015 | 3244537 | 15876523.0 |        |
|         | Ordos Yuansheng Optoelectronics Co., Ltd.                                   |            |         |            |        |
| 3244810 | Covidien LP                                                                 | 15/01/2015 | 3244810 | 15877428.1 |        |
| 3244976 | Hoist Fitness Systems, Inc.                                                 | 11/01/2016 | 3244976 | 16737666.4 |        |
| 3245649 | Flare Audio Technologies Limited                                            | 13/01/2016 | 3245649 | 16701069.3 |        |
| 3245858 | Deere & Company                                                             | 19/05/2017 | 3245858 | 17172008.9 |        |
| 3245997 | Greiner GmbH                                                                | 21/04/2017 | 3245997 | 17167470.8 | German |
| 3246072 | Plum Products Holdings Pty Ltd                                              | 16/05/2017 | 3246072 | 17020212.1 |        |
| 3246181 | SUMITOMO RUBBER INDUSTRIES, LTD.                                            | 28/04/2017 | 3246181 | 17168641.3 |        |
| 3246497 | Hamilton Sundstrand Corporation                                             | 17/05/2016 | 3246497 | 16461523.9 |        |
| 3246576 | VTI                                                                         | 17/05/2017 | 3246576 | 17171610.3 | French |
|         | Centre National de la Recherche Scientifique (C.N.R.S.)                     |            |         |            |        |
| 3246866 | Amadeus S.A.S.                                                              | 18/05/2017 | 3246866 | 17000854.4 |        |
| 3246982 | Central Glass Co., Ltd.                                                     | 28/12/2015 | 3246982 | 15878967.7 |        |
| 3246992 | Societe Industrielle de Construction d'Appareils et de Materiel Electriques | 19/05/2017 | 3246992 | 17171855.4 | French |
| 3247311 | Koninklijke Philips N.V.                                                    | 07/01/2016 | 3247311 | 16700672.5 |        |
| 3247543 | Shawcor Ltd.                                                                | 22/01/2016 | 3247543 | 16739709.0 |        |
| 3248381 | DISH Technologies L.L.C.                                                    | 15/01/2016 | 3248381 | 16710504.8 |        |
| 3248699 | Lutz Pumpen GmbH                                                            | 28/04/2017 | 3248699 | 17168687.6 | German |
| 3248791 | Datamax-O'Neil Corporation                                                  | 15/08/2012 | 3248791 | 17169544.8 |        |
| 3248860 | NEO MOUV                                                                    | 26/05/2017 | 3248860 | 17173123.5 | French |
| 3249070 | Nippon Steel Corporation                                                    | 22/01/2016 | 3249070 | 16740299.9 |        |
| 3249549 | Mitsubishi Electric Corporation                                             | 22/01/2015 | 3249549 | 15878779.6 |        |
| 3249706 | IMEC VZW                                                                    | 25/05/2016 | 3249706 | 16171382.1 |        |
|         | Katholieke Universiteit Leuven                                              |            |         |            |        |
| 3250001 | BSH Hausgeräte GmbH                                                         | 11/05/2017 | 3250001 | 17170570.0 | German |
| 3250330 | Ceccarelli, Stefano                                                         | 30/01/2015 | 3250330 | 15708320.5 |        |
|         | Costantini, Paolo                                                           |            |         |            |        |
| 3250793 | Volkswagen Aktiengesellschaft                                               | 11/12/2015 | 3250793 | 15816406.1 | German |
| 3251183 | Riken                                                                       | 28/01/2016 | 3251183 | 16743604.7 |        |
| 3251551 | The Procter & Gamble Company                                                | 30/06/2016 | 3251551 | 16177192.8 |        |

|         |                                                  |            |         |            |        |
|---------|--------------------------------------------------|------------|---------|------------|--------|
| 3251649 | France Bed Co., Ltd.                             | 08/09/2015 | 3251649 | 15880052.4 |        |
| 3252042 | Sumitomo Chemical Company, Limited               | 29/01/2016 | 3252042 | 16743573.4 |        |
| 3252758 | Nippon Telegraph and Telephone Corporation       | 27/01/2016 | 3252758 | 16743429.9 |        |
|         | The University of Tokyo                          |            |         |            |        |
| 3252776 | STMicroelectronics S.r.l.                        | 23/12/2016 | 3252776 | 16206895.1 |        |
| 3252912 | Mitsubishi Electric Engineering Company Limited  | 28/01/2015 | 3252912 | 15879926.2 |        |
| 3252949 | Intel IP Corporation                             | 01/06/2016 | 3252949 | 16172440.6 |        |
| 3252969 | Huawei Technologies Co. Ltd.                     | 02/02/2015 | 3252969 | 15880695.0 |        |
| 3253373 | Tongli Biomedical Co., Ltd.                      | 10/04/2015 | 3253373 | 15880819.6 |        |
| 3253884 | R.P. Scherer Technologies, LLC                   | 18/12/2015 | 3253884 | 15881407.9 |        |
| 3254110 | Ventana Medical Systems, Inc.                    | 02/02/2016 | 3254110 | 16702150.0 |        |
| 3254179 | Neodrón Limited                                  | 28/01/2016 | 3254179 | 16707268.5 |        |
| 3254273 | Sony Corporation                                 | 25/06/2015 | 3254273 | 15741673.6 |        |
| 3255057 | Oral Health Australia Pty Ltd                    | 28/08/2009 | 3255057 | 17169952.3 |        |
| 3255107 | M. Technique Co., Ltd.                           | 15/12/2015 | 3255107 | 15869982.7 |        |
| 3255302 | SUSPA GmbH                                       | 08/05/2017 | 3255302 | 17169847.5 | German |
| 3255363 | Samsung Electronics Co., Ltd.                    | 22/05/2017 | 3255363 | 17172225.9 |        |
| 3255604 | Clarion Co., Ltd.                                | 27/11/2015 | 3255604 | 15881188.5 |        |
| 3255626 | BOE Technology Group Co., Ltd.                   | 25/09/2015 | 3255626 | 15880933.5 |        |
| 3256043 | Foundry Innovation & Research 1, Ltd.            | 12/02/2016 | 3256043 | 16708284.1 |        |
| 3256861 | Robert Bosch GmbH                                | 15/01/2016 | 3256861 | 16700648.5 | German |
| 3257536 | SHL Medical AG                                   | 29/05/2017 | 3257536 | 17173242.3 |        |
| 3257689 | J.C. Bamford Excavators Limited                  | 24/05/2017 | 3257689 | 17172868.6 |        |
| 3257691 | Hochschule für Angewandte Wissenschaft und Kunst | 27/09/2016 | 3257691 | 16190901.5 | German |
|         | Hildesheim/Holzminden/Göttingen                  |            |         |            |        |
| 3257704 | Wonderland Switzerland AG                        | 13/06/2017 | 3257704 | 17175643.0 |        |
| 3257708 | JVC Kenwood Corporation                          | 25/12/2015 | 3257708 | 15881901.1 |        |
| 3257984 | L.G.L. Electronics S.p.A.                        | 14/06/2017 | 3257984 | 17176106.7 |        |
| 3258075 | ECO Holding 1 GmbH                               | 15/05/2017 | 3258075 | 17171123.7 | German |
| 3258090 | TTI (Macao Commercial Offshore) Limited          | 16/06/2017 | 3258090 | 17176451.7 |        |
| 3258301 | Hisense Broadband Multimedia Technologies, Ltd.  | 30/12/2016 | 3258301 | 16207480.1 |        |
|         | Hisense International Co., Ltd.                  |            |         |            |        |

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|--------------|--------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|---------|------------|--------|
| 3258604      | Palo Alto Research Center,<br>Incorporated                                                                         | 07/06/2017                                                    | 3258604 | 17174858.5 |        |
| 3258654      | ZTE Corporation                                                                                                    | 18/08/2015                                                    | 3258654 | 15885159.2 |        |
| 3258980      | Andreas Hettich GmbH & Co KG<br>Terumo BCT, Inc.                                                                   | 19/02/2016                                                    | 3258980 | 16706765.1 |        |
| 3258981      | Medela Holding AG                                                                                                  | 09/02/2016                                                    | 3258981 | 16703548.4 | German |
| 3259507      | Velan Inc.                                                                                                         | 10/02/2016                                                    | 3259507 | 16751976.8 |        |
| 3260361      | SIMPLON Fahrrad GmbH                                                                                               | 30/05/2017                                                    | 3260361 | 17173544.2 | German |
| 3261229      | Beijing Goldwind Science & Creation<br>Windpower Equipment Co. Ltd.                                                | 17/11/2015                                                    | 3261229 | 15895444.6 |        |
| 3261368      | Visteon Global Technologies, Inc.                                                                                  | 12/06/2017                                                    | 3261368 | 17175558.0 |        |
| 3261372      | Telefonaktiebolaget LM Ericsson (publ)                                                                             | 15/05/2008                                                    | 3261372 | 17186274.1 |        |
| 3261474      | Lumen Labs (HK) Limited                                                                                            | 26/02/2016                                                    | 3261474 | 16754784.3 |        |
| 3262026      | F. Hoffmann-La Roche AG                                                                                            | 22/02/2016                                                    | 3262026 | 16705540.9 |        |
| 3262307      | Husqvarna AB                                                                                                       | 25/02/2015                                                    | 3262307 | 15707902.1 |        |
| 3262346      | Steinmüller Babcock Environment<br>GmbH<br>Nippon Steel Engineering Co., Ltd.                                      | 15/02/2016                                                    | 3262346 | 16712717.4 | German |
| 3262422      | Johann Wolfgang Goethe-Universität<br>Frankfurt am Main<br>DRK-Blutspendedienst Baden-<br>Württemberg-Hessen gGmbH | 25/02/2016                                                    | 3262422 | 16706602.6 |        |
| 3262513      | Google LLC                                                                                                         | 29/04/2016                                                    | 3262513 | 16723590.2 |        |
| 3263298      | Nirei Corporation Ltd.                                                                                             | 20/04/2017                                                    | 3263298 | 17167188.6 |        |
| 3263479      | Robert Bosch GmbH                                                                                                  | 29/06/2017                                                    | 3263479 | 17178566.0 |        |
| 3263506      | Tadano Ltd.                                                                                                        | 05/01/2016                                                    | 3263506 | 16755029.2 |        |
| 3263675      | Total Marketing Services                                                                                           | 22/06/2017                                                    | 3263675 | 17177472.2 | French |
| 3263931      | TAIHO KOGYO Co., Ltd.                                                                                              | 26/02/2016                                                    | 3263931 | 16755741.2 |        |
| 3264033      | Johnson & Johnson Vision Care Inc.                                                                                 | 27/06/2017                                                    | 3264033 | 17178231.1 |        |
| 3265968      | Anixter, Inc.                                                                                                      | 11/02/2016                                                    | 3265968 | 16759252.6 |        |
| 3266063      | D-Wave Systems Inc.                                                                                                | 11/05/2016                                                    | 3266063 | 16793459.5 |        |
| 3266370      | Microlife Corporation                                                                                              | 05/05/2015                                                    | 3266370 | 15883754.2 |        |
| 3267663      | ALSTOM Transport Technologies                                                                                      | 04/07/2017                                                    | 3267663 | 17179627.9 | French |
| 3267771      | Siemens Schweiz AG                                                                                                 | 28/06/2017                                                    | 3267771 | 17178381.4 | German |
| 3268791      | QUALCOMM Incorporated                                                                                              | 05/02/2016                                                    | 3268791 | 16707586.0 |        |
| 3268842      | Qualcomm Incorporated                                                                                              | 03/02/2016                                                    | 3268842 | 16708503.4 |        |
| 3268932      | Qualcomm Incorporated                                                                                              | 23/02/2016                                                    | 3268932 | 16712115.1 |        |

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|---------|------------------------------------------------------------------------------------|------------|---------|------------|--------|
| 3269460 | KRONES Aktiengesellschaft                                                          | 23/03/2017 | 3269460 | 17162514.8 | German |
| 3269576 | RENAULT s.a.s.                                                                     | 23/06/2017 | 3269576 | 17177706.3 | French |
| 3270160 | Sysmex Corporation                                                                 | 24/02/2016 | 3270160 | 16764655.3 |        |
| 3270376 | Nippon Telegraph and Telephone Corporation                                         | 11/04/2016 | 3270376 | 16780006.9 |        |
|         | The University of Tokyo                                                            |            |         |            |        |
| 3270617 | BICS SA/NV                                                                         | 15/07/2016 | 3270617 | 16179789.9 |        |
| 3270996 | Fresca Medical Inc.                                                                | 23/03/2016 | 3270996 | 16765903.6 |        |
| 3271518 | Fir Italia S.p.a.                                                                  | 15/03/2016 | 3271518 | 16723499.6 |        |
| 3272618 | Thales Management & Services Deutschland GmbH                                      | 06/07/2017 | 3272618 | 17180041.0 | German |
| 3272675 | Delica AG                                                                          | 19/07/2016 | 3272675 | 16180148.5 | German |
| 3272852 | Hitachi High-Technologies Corporation                                              | 26/11/2014 | 3272852 | 17186423.4 |        |
| 3272898 | Baoshan Iron & Steel Co., Ltd.                                                     | 08/12/2015 | 3272898 | 15886117.9 |        |
| 3273594 | Delphi Technologies IP Limited                                                     | 10/07/2017 | 3273594 | 17180596.3 |        |
| 3273800 | Zavatti, Eleonora                                                                  | 18/03/2016 | 3273800 | 16722934.3 |        |
| 3274415 | RPL HOLDINGS LIMITED                                                               | 23/03/2016 | 3274415 | 16717988.6 |        |
| 3275036 | Johnson Matthey Fuel Cells Limited                                                 | 24/03/2016 | 3275036 | 16713042.6 |        |
| 3275476 | JMS Co., Ltd.                                                                      | 18/03/2016 | 3275476 | 16768704.5 |        |
| 3275697 | The Yokohama Rubber Co., Ltd.                                                      | 24/03/2016 | 3275697 | 16768864.7 |        |
| 3276004 | Quark Pharmaceuticals, Inc.                                                        | 07/06/2010 | 3276004 | 17190227.3 |        |
|         | The United States of America, as Represented by the Department of Veterans Affairs |            |         |            |        |
| 3276124 | IFP Energies nouvelles                                                             | 29/06/2017 | 3276124 | 17305816.5 | French |
| 3276287 | Samsung Electronics Co., Ltd.                                                      | 03/07/2017 | 3276287 | 17179358.1 |        |
| 3276406 | Funai Electric Co., Ltd.                                                           | 21/07/2017 | 3276406 | 17182492.3 |        |
| 3276501 | Sanechips Technology Co., Ltd.                                                     | 15/12/2015 | 3276501 | 15895495.8 |        |
| 3277339 | Gambro Lundia AB                                                                   | 31/03/2016 | 3277339 | 16712906.3 |        |
| 3277564 | Restless Travellers Limited                                                        | 01/04/2016 | 3277564 | 16771513.5 |        |
| 3277678 | NantOmics, LLC                                                                     | 01/04/2016 | 3277678 | 16774366.5 |        |
|         | Nant Holdings IP, LLC                                                              |            |         |            |        |
|         | NantBio, Inc.                                                                      |            |         |            |        |
| 3278089 | Gemological Institute Of America Inc. (GIA)                                        | 30/03/2016 | 3278089 | 16716372.4 |        |
| 3278137 | Raytheon Company                                                                   | 30/03/2016 | 3278137 | 16778128.5 |        |

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| 3278513      | Hewlett Packard Enterprise Development LP                                                                   | 29/04/2016                                                    | 3278513 | 16895738.9 |        |
| 3278880      | Panasonic Intellectual Property Management Co., Ltd.                                                        | 21/07/2017                                                    | 3278880 | 17182473.3 |        |
| 3279778      | Samsung Electronics Co., Ltd.                                                                               | 28/07/2017                                                    | 3279778 | 17183868.3 |        |
| 3280091      | Huawei Technologies Co. Ltd.                                                                                | 30/03/2015                                                    | 3280091 | 15886847.1 |        |
| 3280139      | KABUSHIKI KAISHA TOSHIBA                                                                                    | 08/11/2011                                                    | 3280139 | 17188018.0 |        |
| 3280649      | AptarGroup, Inc.                                                                                            | 06/04/2015                                                    | 3280649 | 15888636.6 |        |
| 3280749      | SABIC Global Technologies B.V.                                                                              | 04/04/2016                                                    | 3280749 | 16717854.0 |        |
| 3280826      | Sandvik Intellectual Property AB                                                                            | 08/04/2016                                                    | 3280826 | 16718275.7 |        |
| 3281047      | Qualcomm Incorporated                                                                                       | 03/02/2016                                                    | 3281047 | 16706285.0 |        |
| 3281243      | United Technologies Corporation                                                                             | 09/04/2015                                                    | 3281243 | 15888669.7 |        |
| 3281513      | CLAAS Saulgau GmbH                                                                                          | 03/08/2017                                                    | 3281513 | 17184820.3 | German |
| 3281969      | Teijin Limited                                                                                              | 02/08/2016                                                    | 3281969 | 16850870.3 |        |
| 3282076      | Win Garam Co., Ltd.                                                                                         | 06/05/2015                                                    | 3282076 | 15888565.7 |        |
| 3282176      | NALITCHAEV, Ilia Borisovitch                                                                                | 04/04/2016                                                    | 3282176 | 16776983.5 |        |
| 3283038      | SCUOLA SUPERIORE DI STUDI UNIVERSITARI E DI PERFEZIONAMENTO SANT'ANNA DI PISA<br>Azienda Ospedaliera Pisana | 11/04/2016                                                    | 3283038 | 16725223.8 |        |
| 3283080      | Ionis Pharmaceuticals, Inc.                                                                                 | 15/04/2016                                                    | 3283080 | 16780833.6 |        |
| 3283395      | Dow Global Technologies LLC                                                                                 | 13/04/2016                                                    | 3283395 | 16721551.6 |        |
| 3283812      | Commissariat à l'Énergie Atomique et aux Énergies Alternatives                                              | 15/04/2016                                                    | 3283812 | 16719321.8 | French |
| 3284215      | Telefonaktiebolaget LM Ericsson (PUBL)                                                                      | 15/04/2016                                                    | 3284215 | 16718733.5 |        |
| 3284374      | Huang, Hsien-Ta                                                                                             | 09/08/2017                                                    | 3284374 | 17185426.8 |        |
| 3284603      | Datamax-O'Neil Corporation                                                                                  | 03/08/2017                                                    | 3284603 | 17184599.3 |        |
| 3284680      | The Boeing Company                                                                                          | 11/08/2017                                                    | 3284680 | 17185982.0 |        |
| 3284826      | Guangzhou N Biomed Co., Ltd.                                                                                | 27/11/2015                                                    | 3284826 | 15889036.8 |        |
| 3285198      | Hand Held Products, Inc.                                                                                    | 01/08/2017                                                    | 3285198 | 17184370.9 |        |
| 3285615      | Axia Acquisition Corporation                                                                                | 25/01/2016                                                    | 3285615 | 16783523.0 |        |
| 3285794      | The University of Chicago<br>Cornell University                                                             | 20/04/2016                                                    | 3285794 | 16783721.0 |        |
| 3285883      | L'OREAL                                                                                                     | 08/01/2016                                                    | 3285883 | 16700197.3 |        |
| 3286228      | Univation Technologies, LLC                                                                                 | 22/04/2016                                                    | 3286228 | 16721573.0 |        |

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| 3286480 | Innovative Office Products, LLC                                                 | 06/04/2016 | 3286480 | 16783583.4 |        |
| 3286894 | Google LLC                                                                      | 25/03/2016 | 3286894 | 16715210.7 |        |
| 3287078 | Wuxi Hisky Medical Technologies Co., Ltd.                                       | 19/06/2015 | 3287078 | 15889607.6 |        |
| 3287348 | Honda Motor Co., Ltd.                                                           | 24/04/2015 | 3287348 | 15889927.8 |        |
| 3287461 | Jiangsu Hengrui Medicine Co., Ltd.<br>Shanghai Hengrui Pharmaceutical Co., Ltd. | 12/04/2016 | 3287461 | 16782568.6 |        |
| 3287519 | Cargill, Incorporated                                                           | 21/11/2011 | 3287519 | 17190408.9 |        |
| 3288507 | Aalto University Foundation SR                                                  | 29/04/2016 | 3288507 | 16722685.1 |        |
| 3288619 | Chiesi Farmaceutici S.p.A.                                                      | 27/04/2016 | 3288619 | 16720791.9 |        |
| 3288991 | Rohm and Haas Electronic Materials LLC<br>Dow Global Technologies LLC           | 28/04/2015 | 3288991 | 15890233.8 |        |
| 3289097 | Illumina, Inc.                                                                  | 20/04/2016 | 3289097 | 16720269.6 |        |
| 3289488 | Microsoft Technology Licensing, LLC                                             | 27/04/2016 | 3289488 | 16721323.0 |        |
| 3289727 | Cisco Technology, Inc.                                                          | 18/04/2016 | 3289727 | 16720623.4 |        |
| 3290264 | Conow Anhängerbau GmbH & Co. KG                                                 | 28/08/2017 | 3290264 | 17188085.9 | German |
| 3290309 | Messingschlager GmbH & Co. KG                                                   | 28/08/2017 | 3290309 | 17188094.1 | German |
| 3290759 | Dannozzle Holding New ApS                                                       | 06/09/2017 | 3290759 | 17189597.2 |        |
| 3291329 | Hitachi Automotive Systems, Ltd.                                                | 28/03/2016 | 3291329 | 16782942.3 |        |
| 3291377 | Alps Alpine Co., Ltd.                                                           | 03/08/2017 | 3291377 | 17184719.7 |        |
| 3291632 | Telefonaktiebolaget LM Ericsson (publ)                                          | 10/04/2014 | 3291632 | 17196650.0 |        |
| 3291659 | King Slide Works Co., Ltd.<br>King Slide Technology Co., Ltd.                   | 19/04/2017 | 3291659 | 17167023.5 |        |
| 3291783 | GDM S.p.A.                                                                      | 02/05/2016 | 3291783 | 16725231.1 |        |
| 3291788 | Werd, LLC                                                                       | 06/07/2016 | 3291788 | 16821917.8 |        |
| 3292038 | Reel Power Licensing Corp.                                                      | 19/04/2016 | 3292038 | 16745601.1 |        |
| 3292057 | Illinois Tool Works Inc.                                                        | 29/04/2016 | 3292057 | 16722011.0 |        |
| 3292323 | PSA AUTOMOBILES S.A.                                                            | 12/04/2016 | 3292323 | 16721193.7 | French |
| 3292849 | Drylock Technologies NV                                                         | 13/10/2011 | 3292849 | 17198065.9 |        |
| 3292918 | Wilson Bio-Chemical Limited                                                     | 08/09/2017 | 3292918 | 17250009.2 |        |
| 3292999 | Steidle, Michael                                                                | 10/08/2017 | 3292999 | 17185671.9 | German |
| 3293404 | Newfrey LLC                                                                     | 12/09/2016 | 3293404 | 16188266.7 | German |
| 3293774 | Soko Kagaku Co., Ltd.                                                           | 21/07/2015 | 3293774 | 15898889.9 |        |
| 3294087 | Winfield, Menachem Pinhas<br>Starry Limited                                     | 24/06/2016 | 3294087 | 16813858.4 |        |



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| 3294258 | Unilever PLC                                                                              | 03/05/2016 | 3294258 | 16720133.4 |        |
| 3294835 | Merck Patent GmbH                                                                         | 19/04/2016 | 3294835 | 16719207.9 | German |
| 3295269 | MWM Schmieranlagen S.r.L.                                                                 | 10/05/2016 | 3295269 | 16726653.5 |        |
| 3295490 | Instytut Fizyki Pan                                                                       | 06/05/2016 | 3295490 | 16730517.6 |        |
| 3296411 | State Atomic Energy Corporation<br>"Rosatom" on Behalf of The Russian<br>Federation       | 31/12/2015 | 3296411 | 15891987.8 |        |
| 3296591 | Johnson Electric International AG                                                         | 27/07/2017 | 3296591 | 17183574.7 |        |
| 3296661 | Mitsubishi Electric Corporation                                                           | 11/05/2015 | 3296661 | 15891777.3 |        |
| 3297188 | NTT DoCoMo, Inc.                                                                          | 13/05/2016 | 3297188 | 16792219.4 |        |
| 3297421 | The Climate Corporation                                                                   | 19/05/2016 | 3297421 | 16797272.8 |        |
| 3297569 | Nobel Biocare Services AG                                                                 | 20/05/2016 | 3297569 | 16727145.1 | German |
| 3297806 | Krones AG                                                                                 | 12/09/2016 | 3297806 | 16763286.8 | German |
| 3297828 | Pixlum                                                                                    | 20/05/2016 | 3297828 | 16731218.0 | French |
| 3298191 | Teijin Aramid GmbH                                                                        | 18/05/2016 | 3298191 | 16725795.5 | German |
| 3298832 | Telefonaktiebolaget LM Ericsson (publ)                                                    | 17/05/2016 | 3298832 | 16727859.7 |        |
| 3298939 | OP-Hygiene IP GmbH                                                                        | 21/09/2017 | 3298939 | 17192264.4 |        |
| 3299143 | Nordson Corporation                                                                       | 15/09/2017 | 3299143 | 17191399.9 |        |
| 3299231 | NTN Corporation                                                                           | 19/05/2016 | 3299231 | 16799918.4 |        |
| 3299331 | National Oilwell Varco Norway AS                                                          | 26/09/2016 | 3299331 | 16190590.6 |        |
| 3299445 | Bolton Manitoba SpA                                                                       | 20/09/2017 | 3299445 | 17192249.5 |        |
| 3299592 | Doosan Skoda Power S.r.o.                                                                 | 21/09/2016 | 3299592 | 16189912.5 |        |
| 3299652 | Kyocera Document Solutions Inc.                                                           | 26/09/2017 | 3299652 | 17193093.6 |        |
| 3299802 | Suzhou Institute of Nano-tech and<br>Nano-bionics (SINANO) Chinese<br>Academy of Sciences | 18/06/2015 | 3299802 | 15892994.3 |        |
| 3300120 | Japan Science and Technology Agency<br>The University of York                             | 20/05/2016 | 3300120 | 16799960.6 |        |
| 3300576 | Deere & Company                                                                           | 28/09/2017 | 3300576 | 17193626.3 |        |
| 3301005 | Trek Bicycle Corporation                                                                  | 23/05/2016 | 3301005 | 17195297.1 |        |
| 3301182 | Butamax (TM) Advanced Biofuels LLC                                                        | 25/10/2006 | 3301182 | 11154734.5 |        |
| 3301414 | WIPOTEC GmbH                                                                              | 29/09/2017 | 3301414 | 17194000.0 | German |
| 3301445 | ARKRAY, Inc.                                                                              | 29/09/2017 | 3301445 | 17194248.5 |        |
| 3301458 | Kabushiki Kaisha Nihon Micronics                                                          | 28/09/2017 | 3301458 | 17193707.1 |        |
| 3302194 | Masterbuilt Manufacturing, LLC                                                            | 03/06/2016 | 3302194 | 16808056.2 |        |
| 3302725 | Nike Innovate C.V.                                                                        | 26/05/2016 | 3302725 | 16800722.7 |        |
| 3302906 | Lehmonen, Jouni                                                                           | 30/05/2016 | 3302906 | 16802633.4 |        |

|         |                                           |            |         |            |        |
|---------|-------------------------------------------|------------|---------|------------|--------|
| 3303106 | Imperial College Innovations Limited      | 18/05/2016 | 3303106 | 16725205.5 |        |
| 3303291 | Lead Pharma B.V.<br>SANOFI                | 03/06/2016 | 3303291 | 16726886.1 |        |
| 3303292 | Lead Pharma B.V.<br>SANOFI                | 03/06/2016 | 3303292 | 16730288.4 |        |
| 3303828 | Androsiuk, Mariusz                        | 01/06/2016 | 3303828 | 16735935.5 |        |
| 3303913 | European Thermodynamics Limited           | 26/05/2016 | 3303913 | 16729967.6 |        |
| 3304688 | The University of Hong Kong               | 01/06/2015 | 3304688 | 15893662.5 |        |
| 3304985 | Telefonaktiebolaget LM Ericsson<br>(PUBL) | 25/05/2016 | 3304985 | 16728745.7 |        |
| 3304995 | Telefonaktiebolaget LM Ericsson<br>(PUBL) | 03/06/2016 | 3304995 | 16730526.7 |        |
| 3305011 | Telefonaktiebolaget LM Ericsson (publ)    | 29/05/2015 | 3305011 | 15730412.2 |        |
| 3305625 | JTEKT CORPORATION                         | 02/10/2017 | 3305625 | 17194419.2 |        |
| 3305718 | Tenuta Montemagno Horses S.r.l.           | 25/05/2017 | 3305718 | 17203887.9 |        |
| 3307218 | Illinois Tool Works Inc.                  | 19/04/2016 | 3307218 | 16720263.9 |        |
| 3307302 | Merz Pharma GmbH & Co. KGaA               | 10/06/2016 | 3307302 | 16738667.1 |        |
| 3307383 | Cochlear Limited                          | 10/06/2016 | 3307383 | 16807003.5 |        |
| 3307828 | Covestro Deutschland AG                   | 08/06/2016 | 3307828 | 16727522.1 |        |
| 3307830 | Total Marketing Services                  | 07/06/2016 | 3307830 | 16734423.3 | French |
| 3307997 | BASF Corporation                          | 10/06/2016 | 3307997 | 16808420.0 |        |
| 3308081 | Ceske vysoke uceni technicke v Praze      | 14/06/2016 | 3308081 | 16748255.3 |        |
| 3308109 | Scania CV AB                              | 12/04/2016 | 3308109 | 16807906.9 |        |
| 3308193 | Microsoft Technology Licensing, LLC       | 06/06/2016 | 3308193 | 16729468.5 |        |
| 3308594 | Motorola Mobility LLC                     | 17/06/2016 | 3308594 | 16732202.3 |        |
| 3308827 | Covidien LP                               | 26/07/2013 | 3308827 | 17199455.1 |        |
| 3309496 | Hamilton Sundstrand Corporation           | 10/10/2017 | 3309496 | 17195758.2 |        |
| 3310074 | MedRx Inc.                                | 09/10/2017 | 3310074 | 17195485.2 |        |
| 3310122 | Sony Corporation                          | 02/05/2016 | 3310122 | 16807231.2 |        |
| 3310316 | The Children's Hospital of Philadelphia   | 17/06/2016 | 3310316 | 16812507.8 |        |
| 3310496 | Graco Minnesota Inc.                      | 20/06/2016 | 3310496 | 16812624.1 |        |
| 3310644 | PI Manufacturing Inc.                     | 06/06/2016 | 3310644 | 16810653.2 |        |
| 3310695 | Pulsar S.r.l.                             | 15/06/2016 | 3310695 | 16751636.8 |        |
| 3310849 | Dow Global Technologies LLC               | 25/05/2016 | 3310849 | 16730094.6 |        |
| 3310916 | CS Genetics Limited                       | 23/06/2016 | 3310916 | 16733175.0 |        |
| 3311052 | Seetru Limited                            | 20/06/2016 | 3311052 | 16731307.1 |        |
| 3311061 | Spartan Precision Equipment Ltd.          | 17/06/2016 | 3311061 | 16736006.4 |        |

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| 3311108      | Karlsruher Institut für Technologie                                                             | 15/06/2016                                                    | 3311108 | 16733897.9 | German |
| 3311234      | JVL Engineering PTE LTD.                                                                        | 13/11/2015                                                    | 3311234 | 15907903.7 |        |
| 3311505      | Telefonaktiebolaget LM Ericsson (publ)                                                          | 16/06/2016                                                    | 3311505 | 16731344.4 |        |
| 3311602      | Telefonaktiebolaget LM Ericsson (publ)                                                          | 17/06/2015                                                    | 3311602 | 15731017.8 |        |
| 3311756      | Covidien LP                                                                                     | 20/10/2017                                                    | 3311756 | 17197455.3 |        |
| 3312077      | Komatsu Ltd.                                                                                    | 20/07/2017                                                    | 3312077 | 17796265.1 |        |
| 3312160      | Novira Therapeutics Inc.                                                                        | 21/12/2012                                                    | 3312160 | 17182494.9 |        |
| 3312558      | Northrop Grumman Systems Corporation                                                            | 18/10/2017                                                    | 3312558 | 17196984.3 | German |
| 3312590      | CONSIGLIO PER LA RICERCA IN AGRICOLTURA E L'ANALISI DELL'ECONOMIA AGRARIA<br>Università di Pisa | 20/10/2017                                                    | 3312590 | 17197472.8 |        |
| 3312760      | Leuze electronic GmbH + Co KG                                                                   | 19/10/2016                                                    | 3312760 | 16194635.5 |        |
| 3312854      | Kitagawa Industries Co., Ltd.                                                                   | 15/06/2016                                                    | 3312854 | 16811662.2 |        |
| 3312920      | KCF Technologies Co., Ltd.                                                                      | 11/05/2016                                                    | 3312920 | 16811818.0 |        |
| 3313486      | Koninklijke Philips N.V.                                                                        | 08/06/2016                                                    | 3313486 | 16730755.2 |        |
| 3313499      | Cardiovascular Systems, Inc.                                                                    | 24/06/2016                                                    | 3313499 | 16815370.8 |        |
| 3314515      | Hewlett-Packard Development Company, L.P.                                                       | 25/01/2016                                                    | 3314515 | 16888359.3 | German |
| 3314691      | AT&T Intellectual Property I, L.P.                                                              | 05/05/2016                                                    | 3314691 | 16725659.3 |        |
| 3315061      | BOE Technology Group Co., Ltd.                                                                  | 29/09/2015                                                    | 3315061 | 15862152.4 |        |
| 3315226      | Nissan Motor Co., Ltd.                                                                          | 25/06/2015                                                    | 3315226 | 15896349.6 |        |
| 3315322      | Continental Reifen Deutschland GmbH                                                             | 19/07/2017                                                    | 3315322 | 17181996.4 |        |
| 3315417      | The Boeing Company                                                                              | 25/10/2017                                                    | 3315417 | 17198274.7 |        |
| 3315470      | URSA Insulation, S.A.                                                                           | 27/10/2016                                                    | 3315470 | 16196045.5 |        |
| 3315500      | BeiGene, Ltd.                                                                                   | 31/12/2011                                                    | 3315500 | 17183473.2 | French |
| 3315835      | Fujikoki Corporation                                                                            | 26/10/2017                                                    | 3315835 | 17198435.4 |        |
| 3316048      | ROLEX SA                                                                                        | 28/10/2016                                                    | 3316048 | 16196170.1 |        |
| 3316375      | Panasonic Intellectual Property Management Co., Ltd.                                            | 30/05/2016                                                    | 3316375 | 16813899.8 |        |
| 3317306      | Dow Global Technologies LLC                                                                     | 24/06/2016                                                    | 3317306 | 16738294.4 |        |
| 3317308      | Bridgestone Corporation                                                                         | 30/06/2016                                                    | 3317308 | 16818803.5 |        |
| 3317942      | Sundaya Nordic AB                                                                               | 14/06/2016                                                    | 3317942 | 16818331.7 |        |
| 3318168      | Pfennig Reinigungstechnik GmbH                                                                  | 06/11/2017                                                    | 3318168 | 17200148.9 | German |
| 3318397      | Dimeco S.A.S.                                                                                   | 24/10/2017                                                    | 3318397 | 17197951.1 | French |
| 3318468      | NSK Ltd.                                                                                        | 19/10/2016                                                    | 3318468 | 16857481.2 |        |

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| 3318544 | SCG Chemicals Co., Ltd.                                                                                                                   | 07/11/2016 | 3318544 | 16197563.6 |        |
| 3318606 | Tokyo Ohka Kogyo Co., Ltd.                                                                                                                | 08/07/2016 | 3318606 | 16821478.1 |        |
| 3318845 | Ordnance Survey Limited                                                                                                                   | 04/11/2016 | 3318845 | 16197437.3 |        |
| 3318953 | Samsung Display Co., Ltd.                                                                                                                 | 07/11/2017 | 3318953 | 17200322.0 |        |
| 3318966 | KYOCERA Document Solutions Inc.                                                                                                           | 16/06/2016 | 3318966 | 16817745.9 |        |
| 3318988 | Ordnance Survey Limited                                                                                                                   | 04/11/2016 | 3318988 | 16197438.1 |        |
| 3319017 | Harris Corporation                                                                                                                        | 30/08/2017 | 3319017 | 17001460.9 |        |
| 3319165 | Nokia Technologies Oy                                                                                                                     | 07/11/2016 | 3319165 | 16306453.8 |        |
| 3319213 | Shinano Kenshi Kabushiki Kaisha                                                                                                           | 05/10/2017 | 3319213 | 17194990.2 |        |
| 3319515 | Scinovia Corp.                                                                                                                            | 06/07/2016 | 3319515 | 16821893.1 |        |
| 3319520 | Trixiell                                                                                                                                  | 21/06/2016 | 3319520 | 16733360.8 | French |
| 3319728 | Ecole Supérieure de Physique et de<br>Chimie Industrielles de la Ville de Paris<br>Centre National de la Recherche<br>Scientifique (CNRS) | 07/07/2016 | 3319728 | 16741562.9 | French |
| 3319729 | Base4 Innovation Ltd                                                                                                                      | 06/07/2016 | 3319729 | 16738383.5 |        |
| 3319871 | National Oilwell Varco Norway AS                                                                                                          | 06/07/2016 | 3319871 | 16821712.3 |        |
| 3320109 | Biomérieux                                                                                                                                | 06/07/2016 | 3320109 | 16747827.0 | French |
| 3320669 | Tridonic GmbH & Co. KG<br>Signify Holding B.V.<br>ARM Limited                                                                             | 06/07/2016 | 3320669 | 16750356.4 |        |
| 3321046 | Kawasaki Jukogyo Kabushiki Kaisha                                                                                                         | 09/07/2015 | 3321046 | 15897637.3 |        |
| 3321318 | The Yokohama Rubber Co., Ltd.                                                                                                             | 29/06/2016 | 3321318 | 16821296.7 |        |
| 3321454 | MG Serrature S.p.A.                                                                                                                       | 06/11/2017 | 3321454 | 17200127.3 |        |
| 3321936 | Freebox                                                                                                                                   | 14/11/2017 | 3321936 | 17201710.5 | French |
| 3322042 | Aptiv Technologies Limited                                                                                                                | 15/11/2016 | 3322042 | 16198794.6 |        |
| 3322234 | LG Electronics Inc.                                                                                                                       | 08/07/2016 | 3322234 | 16821691.9 |        |
| 3322259 | Niko NV                                                                                                                                   | 09/11/2017 | 3322259 | 17200947.4 |        |
| 3322350 | Smith & Nephew, Inc                                                                                                                       | 29/06/2016 | 3322350 | 16736734.1 |        |
| 3322571 | Telsonic Holding AG                                                                                                                       | 15/07/2016 | 3322571 | 16739161.4 |        |
| 3322830 | Sandvik Intellectual Property AB                                                                                                          | 14/07/2016 | 3322830 | 16738798.4 |        |
| 3322831 | Sandvik Intellectual Property AB                                                                                                          | 14/07/2016 | 3322831 | 16738799.2 |        |
| 3322872 | Roto Frank Fenster- und Türtechnologie<br>GmbH                                                                                            | 07/07/2016 | 3322872 | 16736850.5 | German |
| 3322876 | B.B.C. S.P.A                                                                                                                              | 13/07/2015 | 3322876 | 15787696.2 |        |
| 3323074 | Bitdefender IPR Management Ltd.                                                                                                           | 14/07/2016 | 3323074 | 16741900.1 |        |
| 3323158 | Micron Technology, Inc.                                                                                                                   | 08/07/2016 | 3323158 | 16824930.8 |        |

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| 3323186                                                                    | Sew-Eurodrive GmbH & Co. KG                       | 16/06/2016        | 3323186 | 16729780.3 German |
| 3323371                                                                    | Medtronic Navigation, Inc.                        | 27/01/2012        | 3323371 | 17208055.8        |
| 3323605                                                                    | Heraeus Electro-Nite International N.V.           | 18/11/2016        | 3323605 | 16199483.5        |
| 3323677                                                                    | Kabushiki Kaisha Tokai Rika Denki<br>Seisakusho   | 29/06/2016        | 3323677 | 16824270.9        |
| 3324003                                                                    | Ansaldo Energia Switzerland AG                    | 18/11/2016        | 3324003 | 16199696.2        |
| 3324124                                                                    | Miele & Cie. KG                                   | 12/10/2017        | 3324124 | 17196047.9 German |
| 3324235                                                                    | Samsung Electronics Co., Ltd.                     | 13/10/2017        | 3324235 | 17196450.5        |
| 3324683                                                                    | INTEL Corporation                                 | 25/04/2013        | 3324683 | 18150530.6        |
| 3324692                                                                    | Huawei Technologies Co., Ltd.                     | 12/08/2015        | 3324692 | 15900752.5        |
| 3324818                                                                    | Qualcomm Incorporated                             | 15/06/2016        | 3324818 | 16733262.6        |
| 3325153                                                                    | Cue Health Inc.                                   | 16/07/2016        | 3325153 | 16744639.2        |
| 3325260                                                                    | Bridgestone Bandag, LLC                           | 12/07/2016        | 3325260 | 16828237.4        |
| 3325357                                                                    | Krones AG                                         | 09/06/2016        | 3325357 | 16729244.0 German |
| 3325475                                                                    | Takeda Pharmaceutical Company<br>Limited          | 15/07/2016        | 3325475 | 16760203.6        |
| 3325611                                                                    | Inventia Life Science Pty Ltd.                    | 21/07/2016        | 3325611 | 16826915.7        |
| 3325914                                                                    | Actimesure<br>PRT Engineering                     | 23/07/2015        | 3325914 | 15753401.7 French |
| 3326301                                                                    | QUALCOMM Incorporated                             | 29/06/2016        | 3326301 | 16745270.5        |
| 3326383                                                                    | Cirrus Logic International<br>Semiconductor, Ltd. | 28/06/2016        | 3326383 | 16738319.9        |
| 3326438                                                                    | Terbrack, Norbert                                 | 31/10/2014        | 3326438 | 18150352.5 German |
| 3326628                                                                    | Dae Hwa Pharma. Co., Ltd                          | 06/04/2016        | 3326628 | 16830668.6        |
| 3326645                                                                    | Biogen MA Inc.                                    | 24/10/2011        | 3326645 | 17192860.9        |
| 3326945                                                                    | Horizon International Inc.                        | 23/07/2015        | 3326945 | 15898938.4        |
| 3327396                                                                    | T.RAD Co., Ltd.                                   | 19/07/2016        | 3327396 | 16830536.5        |
| 3327477                                                                    | HUAWEI TECHNOLOGIES CO.,<br>LTD.                  | 30/09/2016        | 3327477 | 16893799.3        |
| 3327484                                                                    | Volvo Car Corporation                             | 29/11/2016        | 3327484 | 16201150.6        |
| 3327518                                                                    | MONTRES BREGUET S.A.                              | 29/11/2016        | 3327518 | 16201163.9 French |
| 3327829                                                                    | Eliiy Power Co., Ltd.                             | 14/07/2016        | 3327829 | 16827726.7        |
| 3328059                                                                    | Aptiv Technologies Limited                        | 09/11/2017        | 3328059 | 17200738.7 French |
| 3328207                                                                    | Marel Stork Poultry Processing B.V.               | 12/07/2016        | 3328207 | 16750531.2        |
| 3328209                                                                    | Cargill, Incorporated                             | 29/07/2016        | 3328209 | 16751085.8        |
| 3328258                                                                    | Illinois Tool Works Inc.                          | 20/07/2016        | 3328258 | 16745326.5        |
| 3328955                                                                    | Borealis AG                                       | 31/05/2016        | 3328955 | 16726096.7        |

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| 3329030 | Bayerische Motoren Werke<br>Aktiengesellschaft                                 | 28/07/2016 | 3329030 | 16748091.2 | German |
| 3329045 | Spitler, Charles Douglas<br>Wilkins, Rodney Ray                                | 29/07/2016 | 3329045 | 16835619.4 |        |
| 3329148 | NEC Corporation                                                                | 10/09/2015 | 3329148 | 15899546.4 |        |
| 3329292 | Mueller International, LLC                                                     | 26/07/2016 | 3329292 | 16831233.8 |        |
| 3329502 | Siemens Aktiengesellschaft                                                     | 27/07/2016 | 3329502 | 16750665.8 |        |
| 3329872 | Olympus Corporation                                                            | 17/05/2016 | 3329872 | 16830130.7 |        |
| 3330073 | Zeon Corporation                                                               | 25/07/2016 | 3330073 | 16830492.1 |        |
| 3330160 | Nissan Motor Co., Ltd.                                                         | 31/07/2015 | 3330160 | 15900320.1 |        |
| 3330567 | BeijingWest Industries Co. Ltd.                                                | 01/12/2017 | 3330567 | 17204873.8 |        |
| 3330774 | BOE Technology Group Co., Ltd.                                                 | 07/01/2016 | 3330774 | 16726473.8 |        |
| 3330900 | VIA Alliance Semiconductor Co., Ltd.                                           | 20/12/2016 | 3330900 | 16205516.4 |        |
| 3330984 | Hitachi Metals, Ltd.                                                           | 20/07/2016 | 3330984 | 16830396.4 |        |
| 3331407 | Camellia Labs Inc.                                                             | 27/07/2016 | 3331407 | 16831324.5 |        |
| 3331784 | Brelko Patents (Pty) Ltd.                                                      | 14/06/2016 | 3331784 | 16775060.3 |        |
| 3332109 | Tofas Turk Otomobil Fabrikasi Anonim<br>Sirketi                                | 02/08/2016 | 3332109 | 16798844.3 |        |
| 3332220 | Airbus (S.A.S.)                                                                | 02/08/2016 | 3332220 | 16753293.6 |        |
| 3332793 | Universite De La Rochelle<br>Valbiotis<br>Université Clermont Auvergne<br>CNRS | 20/10/2015 | 3332793 | 17203260.9 | French |
| 3332914 | Nitto Kohki Co., Ltd.                                                          | 07/09/2016 | 3332914 | 16844396.8 |        |
| 3332990 | The Goodyear Tire & Rubber Company                                             | 11/12/2017 | 3332990 | 17206381.0 |        |
| 3333345 | Simonswerk GmbH                                                                | 05/09/2017 | 3333345 | 17189454.6 | German |
| 3333377 | United Technologies Corporation                                                | 06/11/2017 | 3333377 | 17200204.0 |        |
| 3333452 | NIFCO INC.                                                                     | 06/12/2017 | 3333452 | 17205623.6 |        |
| 3333987 | The Boeing Company                                                             | 06/12/2017 | 3333987 | 17205733.3 |        |
| 3333994 | CEMBRE S.p.A.                                                                  | 01/12/2017 | 3333994 | 17204838.1 |        |
| 3334108 | LG Electronics Inc.                                                            | 05/08/2016 | 3334108 | 16833373.0 |        |
| 3334509 | 3M Innovative Properties Company                                               | 05/08/2016 | 3334509 | 16751792.9 |        |
| 3334637 | Crown Equipment Corporation                                                    | 01/08/2016 | 3334637 | 16748040.9 |        |
| 3335599 | Handy Limited                                                                  | 08/12/2017 | 3335599 | 17206232.5 |        |
| 3335793 | SMH Co., Ltd.                                                                  | 13/12/2016 | 3335793 | 16203690.9 |        |
| 3336178 | Fujifilm Corporation                                                           | 18/05/2016 | 3336178 | 16834853.0 |        |
| 3336361 | Wilo Intec                                                                     | 18/12/2017 | 3336361 | 17208154.9 | French |

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| 3336649                                                                    | Airbus Helicopters                                      | 21/11/2017        | 3336649 | 17202857.3 French |
| 3337199                                                                    | ZTE Corporation                                         | 24/05/2016        | 3337199 | 16836444.6        |
| 3337376                                                                    | LG Electronics Inc.                                     | 17/08/2016        | 3337376 | 16837301.7        |
| 3337696                                                                    | Cobham Mission Systems Davenport LSS Inc.               | 19/08/2016        | 3337696 | 16839863.4        |
| 3337785                                                                    | Unilever PLC                                            | 01/08/2016        | 3337785 | 16745128.5        |
| 3337821                                                                    | Nordic Bioscience A/S                                   | 16/08/2016        | 3337821 | 16756993.8        |
| 3337909                                                                    | Sigma-Aldrich Co. LLC                                   | 23/09/2016        | 3337909 | 16849727.9        |
| 3337937                                                                    | EBS Invest ApS                                          | 19/08/2016        | 3337937 | 16753678.8        |
| 3338009                                                                    | AVL Commercial Driveline & Tractor Engineering GmbH     | 16/08/2016        | 3338009 | 16766216.2 German |
| 3338058                                                                    | Nokia Technologies Oy                                   | 18/08/2016        | 3338058 | 16760114.5        |
| 3338653                                                                    | Ethicon LLC                                             | 21/12/2017        | 3338653 | 17209299.1        |
| 3338655                                                                    | Ethicon LLC                                             | 21/12/2017        | 3338655 | 17209312.2        |
| 3338673                                                                    | Ethicon LLC                                             | 21/12/2017        | 3338673 | 17209415.3        |
| 3339041                                                                    | Sato Holdings Kabushiki Kaisha                          | 21/08/2015        | 3339041 | 15902193.0        |
| 3339093                                                                    | Burton Technologies, LLC                                | 20/12/2017        | 3339093 | 17208904.7        |
| 3339484                                                                    | Citizen Finedevice Co., Ltd.<br>CITIZEN WATCH CO., LTD. | 18/08/2016        | 3339484 | 16837155.7        |
| 3339489                                                                    | LG Electronics Inc.                                     | 18/08/2016        | 3339489 | 16837321.5        |
| 3339598                                                                    | Sjm Co., Ltd.                                           | 23/12/2016        | 3339598 | 16206729.2        |
| 3339678                                                                    | Bridgestone Corporation                                 | 03/08/2016        | 3339678 | 16839043.3        |
| 3339792                                                                    | Alfa Laval Corporate AB                                 | 20/12/2016        | 3339792 | 16205249.2        |
| 3339847                                                                    | Malvern Panalytical B.V.                                | 22/12/2016        | 3339847 | 16206358.0        |
| 3339947                                                                    | LG Electronics Inc.                                     | 12/10/2010        | 3339947 | 18156894.0        |
| 3340202                                                                    | TOYOTA JIDOSHA KABUSHIKI KAISHA                         | 19/12/2017        | 3340202 | 17208622.5        |
| 3340552                                                                    | NXP B.V.                                                | 22/12/2016        | 3340552 | 16206399.4        |
| 3340592                                                                    | LG Electronics Inc.                                     | 20/08/2015        | 3340592 | 15901763.1        |
| 3340671                                                                    | Huawei Technologies Co., Ltd.                           | 09/09/2015        | 3340671 | 15903347.1        |
| 3340675                                                                    | Sun Patent Trust                                        | 07/06/2011        | 3340675 | 18152437.2        |
| 3340790                                                                    | Dow AgroSciences LLC                                    | 25/08/2016        | 3340790 | 16840077.8        |
| 3341168                                                                    | GEA Food Solutions Germany GmbH                         | 16/08/2016        | 3341168 | 16757195.9 German |
| 3341604                                                                    | PSA AUTOMOBILES S.A.                                    | 11/07/2016        | 3341604 | 16744823.2 French |
| 3341701                                                                    | Micro Motion, Inc.                                      | 30/11/2015        | 3341701 | 15823043.3        |
| 3342207                                                                    | Nokia Solutions and Networks Oy                         | 02/11/2015        | 3342207 | 15788031.1        |
| 3342560                                                                    | Kawasaki Jukogyo Kabushiki Kaisha                       | 15/07/2016        | 3342560 | 16838743.9        |

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| 3342869 | Cj Cheiljedang Corporation                                                          | 27/07/2016 | 3342869 | 16839454.2 |        |
| 3342971 | SCHÜCO International KG                                                             | 20/12/2017 | 3342971 | 17208730.6 | German |
| 3343063 | Toyo Tire Corporation                                                               | 08/12/2017 | 3343063 | 17206133.5 |        |
| 3343575 | ABB Schweiz AG                                                                      | 28/12/2016 | 3343575 | 16207075.9 |        |
| 3343857 | LG Electronics Inc.                                                                 | 27/01/2016 | 3343857 | 16839397.3 |        |
| 3344358 | Cytec Industries Inc.                                                               | 01/09/2016 | 3344358 | 16767086.8 |        |
| 3344538 | Safran Helicopter Engines                                                           | 02/09/2016 | 3344538 | 16767330.0 | French |
| 3344863 | Volkswagen AG                                                                       | 31/08/2016 | 3344863 | 16757919.2 | German |
| 3345333 | QUALCOMM Incorporated                                                               | 09/08/2016 | 3345333 | 16753547.5 |        |
| 3345504 | LG Electronics Inc.                                                                 | 04/01/2018 | 3345504 | 18150342.6 |        |
| 3345522 | LG Electronics Inc.                                                                 | 31/08/2016 | 3345522 | 16842296.2 |        |
| 3345637 | Verily Life Sciences LLC                                                            | 09/01/2018 | 3345637 | 18150703.9 |        |
| 3345777 | Heidenreich, Kathleen                                                               | 06/12/2017 | 3345777 | 17001983.0 | German |
|         | Heidenreich, Bernd                                                                  |            |         |            |        |
| 3345824 | National Institute of Maritime, Port and Aviation Technology                        | 31/08/2016 | 3345824 | 16841892.9 |        |
| 3345944 | The Board of Regents of the University of Texas System                              | 11/08/2011 | 3345944 | 17205562.6 |        |
| 3345982 | LG Chem, Ltd.                                                                       | 07/10/2016 | 3345982 | 16853926.0 |        |
| 3346133 | Taiho Kogyo Co., Ltd.                                                               | 10/08/2012 | 3346133 | 17205727.5 |        |
| 3346212 | Hefei Midea Refrigerator Co., Ltd.                                                  | 11/09/2015 | 3346212 | 15902674.9 |        |
|         | Midea Group Co., Ltd.                                                               |            |         |            |        |
| 3346333 | Toray Industries, Inc.                                                              | 02/09/2016 | 3346333 | 16841999.2 |        |
| 3346536 | Instituto Alberto Luiz Coimbra De Pós Graduação E Pesquisa De Engenharia-COPPE/UFRJ | 02/09/2016 | 3346536 | 16840444.0 |        |
|         | Oxiteno S.A. Industria e Comercio Energiah Participações E Negócios Ltda.           |            |         |            |        |
| 3346749 | Sun Patent Trust                                                                    | 11/06/2013 | 3346749 | 18159373.2 |        |
| 3346825 | Rijk Zwaan Zaadteelt en Zaadhandel B.V.                                             | 08/09/2016 | 3346825 | 16766886.2 |        |
| 3346990 | Vectura Limited                                                                     | 09/09/2016 | 3346990 | 16763803.0 |        |
| 3347189 | SHORT BROTHERS PLC                                                                  | 09/09/2016 | 3347189 | 16766057.0 |        |
| 3347614 | Thyssenkrupp Federn und Stabilisatoren GmbH                                         | 06/09/2016 | 3347614 | 16760723.3 | German |
|         | thyssenkrupp AG                                                                     |            |         |            |        |



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| 3348043      | Sorbonne Université                                     | 06/09/2016                                                    | 3348043 | 16775786.3 | French |
| 3348145      | Intersnack Group GmbH & Co. KG                          | 13/01/2017                                                    | 3348145 | 17151355.9 | German |
| 3348725      | URSA Insulation, S.A.                                   | 13/01/2017                                                    | 3348725 | 17151439.1 |        |
| 3348975      | Fujitsu General Limited                                 | 19/08/2016                                                    | 3348975 | 16844148.3 |        |
| 3349008      | Lifescan, Inc.                                          | 29/12/2010                                                    | 3349008 | 17206275.4 |        |
| 3349912      | Reckitt Benckiser (Brands) Limited                      | 19/09/2016                                                    | 3349912 | 16770341.2 |        |
| 3350096      | Reckitt Benckiser (Brands) Limited                      | 19/09/2016                                                    | 3350096 | 16770337.0 |        |
| 3350383      | Schlüter-Systems KG                                     | 14/09/2016                                                    | 3350383 | 16767218.7 | German |
| 3350538      | BASCHIERI & PELLAGRI S.P.A.                             | 13/09/2016                                                    | 3350538 | 16781557.0 |        |
| 3350842      | LYNRED                                                  | 15/09/2016                                                    | 3350842 | 16774542.1 | French |
| 3351455      | JTEKT CORPORATION                                       | 15/01/2018                                                    | 3351455 | 18151575.0 |        |
| 3351466      | Tsai Jung Enterprise Co., Ltd.                          | 05/06/2017                                                    | 3351466 | 17174423.8 |        |
| 3351752      | Rolls-Royce plc                                         | 03/01/2018                                                    | 3351752 | 18150154.5 |        |
| 3351831      | TOYOTA JIDOSHA KABUSHIKI<br>KAISHA                      | 17/01/2018                                                    | 3351831 | 18152047.9 |        |
| 3351925      | Axis-Shield AS                                          | 09/11/2012                                                    | 3351925 | 18161835.6 |        |
| 3352136      | Panasonic Intellectual Property<br>Management Co., Ltd. | 10/11/2017                                                    | 3352136 | 17201108.2 |        |
| 3352259      | NantEnergy, Inc.                                        | 11/04/2011                                                    | 3352259 | 18160582.5 |        |
| 3352568      | Melchior Material And Life Science<br>France            | 23/09/2016                                                    | 3352568 | 16777594.9 | French |
| 3352617      | David & D Ltd.                                          | 06/09/2016                                                    | 3352617 | 16850508.9 |        |
| 3353044      | P&N PHC, LLC                                            | 07/09/2016                                                    | 3353044 | 16849335.1 |        |
| 3353071      | Scholle IPN Corporation                                 | 19/09/2016                                                    | 3353071 | 16849392.2 |        |
| 3353072      | Scholle IPN Corporation                                 | 19/09/2016                                                    | 3353072 | 16849394.8 |        |
| 3353120      | Bechtel Hydrocarbon Technology<br>Solutions, Inc.       | 08/04/2016                                                    | 3353120 | 16849128.0 |        |
| 3353355      | Caroma Industries Limited                               | 02/06/2016                                                    | 3353355 | 16847630.7 |        |
| 3353364      | GO TECHNOLOGY S.r.l.                                    | 21/09/2016                                                    | 3353364 | 16794414.9 |        |
| 3353365      | GO TECHNOLOGY S.r.l.                                    | 20/09/2016                                                    | 3353365 | 16781560.4 |        |
| 3353573      | Thales                                                  | 02/09/2016                                                    | 3353573 | 16763008.6 | French |
| 3354172      | DanDre Technology Innovation Limited                    | 15/01/2018                                                    | 3354172 | 18151608.9 |        |
| 3354202      | Lily Medtech Inc.<br>The University Of Tokyo            | 23/09/2016                                                    | 3354202 | 16848691.8 |        |
| 3354222      | Covidien LP                                             | 26/01/2018                                                    | 3354222 | 18153733.3 |        |
| 3354247      | Permobil AB                                             | 31/01/2017                                                    | 3354247 | 17154013.1 |        |
| 3354456      | BYD Company Limited                                     | 08/09/2016                                                    | 3354456 | 16848018.4 |        |

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| 3354545 | Yamaha Hatsudoki Kabushiki Kaisha               | 24/01/2018 | 3354545 | 18153195.5 |        |
| 3354784 | Dürkopp Adler AG                                | 22/12/2017 | 3354784 | 17209953.3 | German |
| 3354795 | Geiger, Peter                                   | 15/12/2017 | 3354795 | 17207721.6 | German |
| 3354865 | General Electric Company                        | 17/01/2018 | 3354865 | 18152057.8 |        |
| 3354915 | NTN Corporation                                 | 31/08/2016 | 3354915 | 16848462.4 |        |
| 3355850 | Rohm and Haas Company                           | 26/09/2016 | 3355850 | 16778609.4 |        |
| 3355858 | Galderma Research & Development                 | 27/09/2016 | 3355858 | 16775631.1 | French |
| 3355866 | Galderma Research & Development                 | 27/09/2016 | 3355866 | 16770938.5 | French |
| 3355867 | Galderma Research & Development                 | 27/09/2016 | 3355867 | 16775632.9 | French |
| 3355869 | Galderma Research & Development                 | 27/09/2016 | 3355869 | 16778271.3 | French |
| 3356061 | Primetals Technologies Austria GmbH             | 23/09/2016 | 3356061 | 16775605.5 | German |
| 3356198 | Bombardier Transportation GmbH                  | 27/09/2016 | 3356198 | 16774478.8 |        |
| 3356254 | International Paper Company                     | 27/09/2016 | 3356254 | 16779271.2 |        |
| 3356343 | Syngenta Participations AG                      | 21/09/2016 | 3356343 | 16767301.1 |        |
| 3356408 | F. Hoffmann-La Roche AG                         | 30/09/2016 | 3356408 | 16775243.5 |        |
| 3357299 | SIGFOX                                          | 30/09/2016 | 3357299 | 16788162.2 | French |
| 3357809 | Bell Helicopter Textron Inc.                    | 22/06/2017 | 3357809 | 17177527.3 |        |
| 3357941 | LG Chem, Ltd.                                   | 05/09/2017 | 3357941 | 17853324.6 |        |
| 3358210 | XIU RDI, S.L.                                   | 05/02/2018 | 3358210 | 18155086.4 |        |
| 3358790 | Huawei Technologies Co., Ltd.                   | 29/09/2015 | 3358790 | 15905041.8 |        |
| 3359311 | IP CLEANING S.R.L.                              | 06/10/2016 | 3359311 | 16798555.5 |        |
| 3359389 | De La Rue International Limited                 | 04/10/2016 | 3359389 | 16781156.1 |        |
| 3360488 | Boston Scientific Scimed, Inc.                  | 28/05/2015 | 3360488 | 18165180.3 |        |
| 3360569 | Vakzine Projekt Management GmbH                 | 16/09/2011 | 3360569 | 18161921.4 |        |
| 3360681 | Gunze Limited                                   | 27/09/2016 | 3360681 | 16853462.6 |        |
| 3360696 | Bridgestone Corporation                         | 26/09/2016 | 3360696 | 16853445.1 |        |
| 3360855 | HYDRO-QUEBEC                                    | 17/05/2007 | 3360855 | 17203129.6 | French |
|         | CENTRE NATIONAL DE LA<br>RECHERCHE SCIENTIFIQUE |            |         |            |        |
| 3361129 | Saginomiya Seisakusho, Inc.                     | 03/09/2016 | 3361129 | 16853354.5 |        |
| 3361550 | Denso Corporation                               | 27/12/2017 | 3361550 | 17210654.4 |        |
|         | KUBOTA CORPORATION                              |            |         |            |        |
| 3361611 | Mitsumi Electric Co., Ltd.                      | 09/10/2015 | 3361611 | 15905760.3 |        |
| 3361770 | Huawei Technologies Co., Ltd.                   | 26/10/2016 | 3361770 | 16859022.2 |        |
| 3361802 | Sony Corporation                                | 21/09/2016 | 3361802 | 16861850.2 |        |
| 3362021 | Qfix Systems, LLC                               | 14/10/2016 | 3362021 | 16788343.8 |        |

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| 3362209 | Emerson Process Management<br>Regulator Technologies, Inc.                                                                                              | 12/10/2016 | 3362209 | 16787664.8 |        |
| 3362931 | Master Lock Company LLC                                                                                                                                 | 13/10/2016 | 3362931 | 16856164.5 |        |
| 3363143 | Commissariat à l'Energie Atomique et<br>aux Energies Alternatives                                                                                       | 12/10/2016 | 3363143 | 16784814.2 | French |
| 3363464 | Korea Advanced Institute of Science<br>and Technology                                                                                                   | 14/10/2016 | 3363464 | 16855780.9 |        |
| 3363782 | LG Chem, Ltd.                                                                                                                                           | 17/11/2016 | 3363782 | 16866665.9 |        |
| 3364037 | ELICA S.p.A.                                                                                                                                            | 20/02/2018 | 3364037 | 18157533.3 |        |
| 3364191 | INSERM (Institut National de la Santé<br>et de la Recherche Médicale)<br>UNIVERSITE PARIS DESCARTES<br>Assistance Publique-Hôpitaux de Paris<br>(AP-HP) | 28/09/2006 | 3364191 | 18159684.2 |        |
| 3364543 | CUB Elecparts Inc.                                                                                                                                      | 13/04/2017 | 3364543 | 17166518.5 |        |
| 3364587 | LG Electronics Inc.                                                                                                                                     | 14/10/2016 | 3364587 | 16855760.1 |        |
| 3365149 | Wittmann Kunststoffgeräte GmbH                                                                                                                          | 12/10/2016 | 3365149 | 16831561.2 | German |
| 3365293 | Pochet du Courval                                                                                                                                       | 24/10/2016 | 3365293 | 16787797.6 | French |
| 3365676 | Universität Basel                                                                                                                                       | 24/10/2016 | 3365676 | 16795241.5 |        |
| 3365952 | Prysmian S.p.A.                                                                                                                                         | 23/10/2015 | 3365952 | 15791763.4 |        |
| 3366957 | Fujikoki Corporation                                                                                                                                    | 23/01/2018 | 3366957 | 18152874.6 |        |
| 3367848 | Clarke, Donna Evelyn<br>Pavlou, Stephanos Andrea                                                                                                        | 27/10/2015 | 3367848 | 15808259.4 |        |
| 3367923 | Dentsply Implants Manufacturing<br>GmbH                                                                                                                 | 30/08/2016 | 3367923 | 16769858.8 |        |
| 3368007 | Croma-Pharma Gesellschaft m.b.H.                                                                                                                        | 27/10/2016 | 3368007 | 16787869.3 |        |
| 3368097 | AcelRx Pharmaceuticals, Inc.                                                                                                                            | 28/10/2016 | 3368097 | 16861005.3 |        |
| 3368100 | O2 Group SA                                                                                                                                             | 27/10/2016 | 3368100 | 16815630.5 |        |
| 3368471 | Johnson Matthey Public Limited<br>Company                                                                                                               | 14/10/2016 | 3368471 | 16784255.8 |        |
| 3368472 | Johnson Matthey Public Limited<br>Company                                                                                                               | 14/10/2016 | 3368472 | 16784955.3 |        |
| 3369453 | Atrionix, Inc.                                                                                                                                          | 11/05/2000 | 3369453 | 18162965.0 |        |
| 3369707 | CIECH R&D Sp. z o.o.<br>Instytut Chemicznej Przeróbki Wegla                                                                                             | 21/02/2018 | 3369707 | 18157894.9 |        |
| 3369984 | Kawasaki Jukogyo Kabushiki Kaisha                                                                                                                       | 19/10/2016 | 3369984 | 16859658.3 |        |
| 3370074 | Shenzhen Goodix Technology Co., Ltd.                                                                                                                    | 02/11/2016 | 3370074 | 16920464.1 |        |

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| 3371036 | MTD Products Inc.                                                 | 03/11/2016 | 3371036 | 16805572.1 |        |
| 3371081 | Trützschler GmbH & Co. KG                                         | 07/10/2016 | 3371081 | 16778030.3 | German |
| 3371342 | Retomax AG                                                        | 07/11/2016 | 3371342 | 16793848.9 | German |
| 3371488 | INVENTUS Engineering GmbH                                         | 02/11/2015 | 3371488 | 15790520.9 |        |
| 3371929 | Commissariat à l'Énergie Atomique et<br>aux Énergies Alternatives | 26/10/2016 | 3371929 | 16788489.9 | French |
| 3372029 | Telefonaktiebolaget LM Ericsson (publ)                            | 06/11/2015 | 3372029 | 15907899.7 |        |
| 3372782 | United Technologies Corporation                                   | 15/07/2015 | 3372782 | 18169121.3 |        |
| 3373105 | Intel Corporation                                                 | 30/03/2012 | 3373105 | 18169631.1 |        |
| 3373177 | Daon Holdings Limited                                             | 02/02/2018 | 3373177 | 18154810.8 |        |
| 3373487 | Juniper Networks, Inc.                                            | 31/03/2016 | 3373487 | 18165227.2 |        |
| 3374155 | NIKE Innovate C.V.                                                | 21/09/2016 | 3374155 | 16778154.1 |        |
| 3374369 | Board of Regents of the University of<br>Nebraska                 | 12/11/2016 | 3374369 | 16801929.7 |        |
| 3374376 | Biological E Limited                                              | 26/10/2016 | 3374376 | 16825902.6 |        |
| 3374398 | MedImmune, LLC                                                    | 10/11/2016 | 3374398 | 16802197.0 |        |
| 3374548 | Gilbos N.V.                                                       | 09/11/2016 | 3374548 | 16813131.6 |        |
| 3374678 | Kendrion (Villingen) GmbH                                         | 31/10/2016 | 3374678 | 16788146.5 | German |
| 3375123 | IDAC Holdings, Inc.                                               | 10/11/2016 | 3375123 | 16798920.1 |        |
| 3375159 | Qualcomm Incorporated                                             | 11/10/2016 | 3375159 | 16788852.8 |        |
| 3375540 | Yorozu Corporation                                                | 13/11/2015 | 3375540 | 15908333.6 |        |
| 3375572 | Conbraco Industries, Inc.                                         | 26/04/2017 | 3375572 | 17168118.2 |        |
| 3376721 | ORCKIT IP, LLC                                                    | 03/10/2006 | 3376721 | 18169265.8 |        |
| 3377231 | Dürr Systems AG                                                   | 14/11/2016 | 3377231 | 16795233.2 | German |
| 3377637 | KRYSTAL BIOTECH, INC.                                             | 28/12/2016 | 3377637 | 16826873.8 |        |
| 3377693 | ICS Tech SRL                                                      | 16/05/2016 | 3377693 | 16733690.8 |        |
| 3377945 | Uwi Technology Limited                                            | 17/11/2016 | 3377945 | 16801021.3 |        |
| 3378345 | Panduit Corp                                                      | 23/03/2018 | 3378345 | 18163516.0 |        |
| 3378564 | Illumina Inc.                                                     | 21/10/2011 | 3378564 | 18172354.5 |        |
| 3379030 | Pratt & Whitney Canada Corp.                                      | 22/03/2018 | 3379030 | 18163458.5 |        |
| 3379031 | Pratt & Whitney Canada Corp.                                      | 22/03/2018 | 3379031 | 18163460.1 |        |
| 3379681 | Omron Corporation                                                 | 02/11/2016 | 3379681 | 16866166.8 |        |
| 3380257 | SMS Group GmbH                                                    | 28/10/2016 | 3380257 | 16787882.6 | German |
| 3380296 | Husky Injection Molding Systems Ltd.                              | 14/11/2016 | 3380296 | 16867474.5 |        |
| 3380658 | WSP Textiles Limited                                              | 23/11/2016 | 3380658 | 16822227.1 |        |
| 3380761 | Self Energising Coupling Company<br>Limited                       | 24/11/2016 | 3380761 | 16805205.8 |        |

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| 3380835 | Institut National de la Santé et de la<br>Recherche Médicale (INSERM)<br>Université Claude Bernard Lyon 1<br>Centre Léon Bérard | 25/11/2016 | 3380835 | 16801458.7 |        |
| 3380974 | Thales Dis France SA                                                                                                            | 18/11/2016 | 3380974 | 16801741.6 |        |
| 3382323 | Lu, Shanhe                                                                                                                      | 29/03/2017 | 3382323 | 17725153.5 |        |
| 3382455 | Sanyo Chemical Industries, Ltd.                                                                                                 | 25/11/2016 | 3382455 | 16868644.2 |        |
| 3382840 | Hitachi, Ltd.                                                                                                                   | 09/11/2016 | 3382840 | 16868376.1 |        |
| 3383236 | Tchibo (Schweiz) AG                                                                                                             | 28/11/2016 | 3383236 | 16801535.2 | German |
| 3383344 | CareFusion 303, Inc.                                                                                                            | 18/11/2016 | 3383344 | 16809602.2 |        |
| 3383665 | Compagnie Générale des<br>Etablissements Michelin                                                                               | 02/12/2016 | 3383665 | 16819349.8 | French |
| 3383679 | Continental Automotive Systems, Inc.                                                                                            | 02/12/2016 | 3383679 | 16813288.4 |        |
| 3383743 | CareFusion 303, Inc.                                                                                                            | 22/11/2016 | 3383743 | 16820386.7 |        |
| 3384430 | Aptiv Technologies Limited                                                                                                      | 17/11/2016 | 3384430 | 16798469.9 |        |
| 3384504 | Solvay SA                                                                                                                       | 02/12/2016 | 3384504 | 16805439.3 |        |
| 3384776 | Rondo Burgdorf AG                                                                                                               | 07/04/2017 | 3384776 | 17165563.2 | German |
| 3384979 | i-clean Technologies GmbH                                                                                                       | 03/04/2018 | 3384979 | 18000315.4 | German |
| 3385088 | NSK Ltd.                                                                                                                        | 31/10/2016 | 3385088 | 16870359.3 |        |
| 3385189 | Papiersackfabrik Tenax GmbH & Co.<br>KG                                                                                         | 03/04/2018 | 3385189 | 18165498.9 | German |
| 3385520 | VOLKSWAGEN<br>AKTIENGESELLSCHAFT                                                                                                | 26/03/2018 | 3385520 | 18163830.5 | German |
| 3385810 | Bell Helicopter Textron Inc.                                                                                                    | 23/06/2017 | 3385810 | 17177578.6 |        |
| 3386608 | BASF SE                                                                                                                         | 07/12/2016 | 3386608 | 16809359.9 | German |
| 3387474 | ACOME                                                                                                                           | 06/12/2016 | 3387474 | 16806100.0 | French |
| 3387836 | Telefonaktiebolaget LM Ericsson<br>(PUBL)                                                                                       | 17/11/2016 | 3387836 | 16805514.3 |        |
| 3387952 | King Slide Works Co., Ltd.<br>King Slide Technology Co., Ltd.                                                                   | 14/11/2017 | 3387952 | 17201606.5 |        |
| 3388100 | Asset Medikal Tasarim Sanayi ve<br>Ticaret A.S.                                                                                 | 11/04/2017 | 3388100 | 17165991.5 |        |
| 3388293 | Valeo Autosystemy SP. Z.O.O.                                                                                                    | 14/04/2017 | 3388293 | 17461523.7 |        |
| 3388346 | Airbus Operations                                                                                                               | 27/03/2018 | 3388346 | 18164269.5 | French |
| 3388374 | CARDINAL IG COMPANY                                                                                                             | 10/04/2018 | 3388374 | 18166534.0 |        |
| 3388402 | AGC Inc.                                                                                                                        | 08/12/2016 | 3388402 | 16873059.6 |        |
| 3389161 | ABB Schweiz AG                                                                                                                  | 05/04/2018 | 3389161 | 18165985.5 |        |

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| 3389327 | Huawei Technologies Co., Ltd.                              | 29/12/2015 | 3389327 | 15911744.9 |        |
| 3389640 | Synthon B.V.                                               | 16/12/2016 | 3389640 | 16822935.9 |        |
| 3389963 | Idemia France                                              | 16/12/2016 | 3389963 | 16825541.2 | French |
| 3390110 | Continental Reifen Deutschland GmbH                        | 21/09/2016 | 3390110 | 16767310.2 | German |
| 3390570 | Merck Patent GmbH                                          | 02/12/2016 | 3390570 | 16805293.4 |        |
| 3390684 | PLANSEE COMPOSITE<br>MATERIALS GMBH                        | 07/12/2016 | 3390684 | 16819815.8 | German |
| 3390827 | Graco Minnesota Inc.                                       | 16/12/2016 | 3390827 | 16876788.7 |        |
| 3390857 | ThyssenKrupp Bilstein GmbH<br>thyssenkrupp AG              | 09/12/2016 | 3390857 | 16809053.8 | German |
| 3390918 | Elica S.p.A.                                               | 22/11/2016 | 3390918 | 16822740.3 |        |
| 3391444 | Compagnie Générale des<br>Etablissements Michelin          | 14/12/2016 | 3391444 | 16825513.1 | French |
| 3391488 | Bticino S.p.A.                                             | 15/12/2016 | 3391488 | 16829120.1 |        |
| 3392175 | Cap Creation                                               | 27/03/2018 | 3392175 | 18164279.4 | French |
| 3392206 | KLARO GmbH                                                 | 20/02/2018 | 3392206 | 18000173.7 | German |
| 3392689 | Iriso Electronics Co., Ltd.                                | 15/11/2016 | 3392689 | 16889378.2 |        |
| 3392708 | Shin-Etsu Chemical Co., Ltd.                               | 10/04/2018 | 3392708 | 18166432.7 |        |
| 3392948 | NISSAN MOTOR CO., LTD.                                     | 26/09/2016 | 3392948 | 16875199.8 |        |
| 3392951 | NISSAN MOTOR CO., LTD.                                     | 26/09/2016 | 3392951 | 16875196.4 |        |
| 3393433 | The Procter & Gamble Company                               | 21/12/2016 | 3393433 | 16825968.7 |        |
| 3393899 | Shacham, Uri                                               | 20/12/2016 | 3393899 | 16831642.0 |        |
| 3394193 | 3M Innovative Properties Company                           | 02/12/2016 | 3394193 | 16822789.0 |        |
| 3394482 | Trelleborg Sealing Solutions Germany<br>GmbH               | 13/12/2016 | 3394482 | 16815788.1 | German |
| 3395129 | Signify Holding B.V.                                       | 13/12/2016 | 3395129 | 16809085.0 |        |
| 3395161 | HUSQVARNA AB                                               | 10/12/2013 | 3395161 | 18176522.3 |        |
| 3396065 | Ace Packaging NV                                           | 26/03/2018 | 3396065 | 18164045.9 |        |
| 3396083 | Sorkin, Felix, L.                                          | 27/04/2018 | 3396083 | 18169830.9 |        |
| 3396275 | Daikin Industries, Ltd.                                    | 21/11/2016 | 3396275 | 16878234.0 |        |
| 3396479 | Siemens Aktiengesellschaft                                 | 28/04/2017 | 3396479 | 17168781.7 | German |
| 3396588 | GUANGDONG OPPO MOBILE<br>TELECOMMUNICATIONS CORP.,<br>LTD. | 28/12/2017 | 3396588 | 17210955.5 |        |
| 3396766 | LG Chem, Ltd.                                              | 04/09/2017 | 3396766 | 17858615.2 |        |
| 3396786 | Aptiv Technologies Limited                                 | 27/04/2017 | 3396786 | 17168505.0 | German |
| 3396811 | CRRC Qingdao Sifang Co., Ltd.                              | 17/11/2016 | 3396811 | 16893295.2 |        |

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| 3396819      | Kubota Corporation                                                   | 01/12/2016                                                    | 3396819 | 16878301.7 |        |
| 3397487      | Guala Pack S.p.A.                                                    | 22/12/2016                                                    | 3397487 | 16831754.3 |        |
| 3397655      | Chevron Phillips Chemical Company LP                                 | 26/10/2016                                                    | 3397655 | 16794134.3 |        |
| 3397699      | PPG Industries Ohio, Inc.<br>The Regents of University of California | 28/10/2016                                                    | 3397699 | 16795481.7 |        |
| 3397781      | Arcelormittal                                                        | 29/12/2016                                                    | 3397781 | 16826754.0 |        |
| 3397817      | Reckitt Benckiser (Brands) Limited                                   | 19/01/2017                                                    | 3397817 | 17701574.0 |        |
| 3398687      | Andritz S.A.S.                                                       | 04/05/2017                                                    | 3398687 | 17169366.6 |        |
| 3398689      | Volonte', Luigi Carlo Maria                                          | 10/04/2018                                                    | 3398689 | 18166440.0 |        |
| 3398943      | Mitsubishi Gas Chemical Company, Inc.                                | 15/01/2018                                                    | 3398943 | 18741370.3 |        |
| 3398964      | WUHAN HEALTHGEN<br>BIOTECHNOLOGY CORP                                | 09/05/2013                                                    | 3398964 | 18174112.5 |        |
| 3399008      | ASG Analytik-Service Gesellschaft mbH                                | 26/01/2018                                                    | 3399008 | 18153578.2 | German |
| 3399050      | Kuleoglu, Mustafa Remzi<br>Kuleoglu, Enver Ali                       | 04/07/2017                                                    | 3399050 | 17179602.2 |        |
| 3399109      | Sumitomo (S.H.I.) Construction Machinery Co., Ltd.                   | 27/12/2016                                                    | 3399109 | 16881783.1 |        |
| 3399153      | United Technologies Corporation                                      | 02/05/2018                                                    | 3399153 | 18170401.6 |        |
| 3399953      | CSP Technologies, Inc.                                               | 10/06/2016                                                    | 3399953 | 16731468.1 |        |
| 3400032      | KCI Licensing, Inc.                                                  | 13/12/2016                                                    | 3400032 | 16820492.3 |        |
| 3400099      | TOTAL RAFFINAGE CHIMIE<br>ETH Zurich                                 | 20/12/2016                                                    | 3400099 | 16812773.6 |        |
| 3400140      | ZF Friedrichshafen AG                                                | 08/12/2016                                                    | 3400140 | 16808640.3 | German |
| 3400336      | Wenger, Projekte und Coaching                                        | 03/01/2017                                                    | 3400336 | 17700098.1 | German |
| 3400764      | CNH Industrial Belgium NV                                            | 18/04/2018                                                    | 3400764 | 18168014.1 |        |
| 3401528      | Garrett Transportation I Inc.                                        | 09/05/2018                                                    | 3401528 | 18171664.8 |        |
| 3401654      | Ishida Co., Ltd.                                                     | 15/12/2016                                                    | 3401654 | 16883757.3 |        |
| 3402016      | Stanley Black & Decker, Inc.                                         | 30/04/2018                                                    | 3402016 | 18170125.1 |        |
| 3402168      | NSOF Networks Ltd                                                    | 27/04/2018                                                    | 3402168 | 18169986.9 |        |
| 3402789      | BOEHRINGER INGELHEIM<br>INTERNATIONAL GMBH                           | 12/01/2017                                                    | 3402789 | 17701778.7 |        |
| 3402979      | Delphi Technologies IP Limited                                       | 06/01/2017                                                    | 3402979 | 17700137.7 |        |
| 3403054      | Safran Electronics & Defense                                         | 16/01/2017                                                    | 3403054 | 17700448.8 | French |
| 3403143      | Richemont International S.A.                                         | 13/01/2017                                                    | 3403143 | 17700411.6 | French |

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| 3403518 | RAI Strategic Holdings, Inc.                                                                 | 11/08/2015 | 3403518 | 18177684.0 |        |
| 3403540 | Starsprings AB                                                                               | 15/05/2017 | 3403540 | 17171021.3 |        |
| 3403617 | TORNIER                                                                                      | 19/05/2017 | 3403617 | 17305587.2 |        |
| 3403860 | Rosenbauer International AG                                                                  | 11/05/2018 | 3403860 | 18171911.3 | German |
| 3404228 | VOLKSWAGEN<br>AKTIENGESELLSCHAFT                                                             | 29/03/2018 | 3404228 | 18164849.4 | German |
| 3404364 | Airbus Defence and Space GmbH                                                                | 03/05/2018 | 3404364 | 18170611.0 | German |
| 3404383 | Vaillant GmbH                                                                                | 17/04/2018 | 3404383 | 18167749.3 | German |
| 3404506 | Aptiv Technologies Limited                                                                   | 27/04/2018 | 3404506 | 18169727.7 | French |
| 3404762 | LG Chem, Ltd.                                                                                | 18/01/2018 | 3404762 | 18745439.2 |        |
| 3404863 | NXP USA, Inc.                                                                                | 15/05/2017 | 3404863 | 17305554.2 |        |
| 3404883 | Huawei Technologies Co., Ltd.                                                                | 09/08/2016 | 3404883 | 16887569.8 |        |
| 3404935 | Oticon Medical A/S                                                                           | 08/05/2018 | 3404935 | 18171237.3 |        |
| 3404954 | Telefonaktiebolaget LM Ericsson (publ)                                                       | 18/03/2014 | 3404954 | 18182571.2 |        |
| 3405050 | Swedish Match North Europe AB                                                                | 18/01/2017 | 3405050 | 17700675.6 |        |
| 3405407 | Rieke Packaging Systems Limited                                                              | 20/01/2017 | 3405407 | 17701120.2 |        |
| 3405502 | SABIC Global Technologies B.V.                                                               | 19/01/2017 | 3405502 | 17700562.6 |        |
| 3405513 | Allotropica Technologies Inc.                                                                | 20/01/2017 | 3405513 | 17703798.3 |        |
| 3406040 | QUALCOMM Incorporated                                                                        | 16/12/2016 | 3406040 | 16840359.0 |        |
| 3406045 | Microsoft Technology Licensing, LLC                                                          | 14/01/2017 | 3406045 | 17703846.0 |        |
| 3406063 | Huawei Technologies Co., Ltd.                                                                | 31/03/2016 | 3406063 | 16895976.5 |        |
| 3406227 | JMS Co., Ltd.                                                                                | 19/01/2017 | 3406227 | 17741497.6 |        |
| 3406250 | Korea Basic Science Institute                                                                | 22/05/2018 | 3406250 | 18173590.3 |        |
| 3406303 | Gazquez y Ortiz, Javier<br>Valdivia Jimenez, Gloria                                          | 23/12/2016 | 3406303 | 16886181.3 |        |
| 3406376 | Camaga Srl                                                                                   | 08/01/2018 | 3406376 | 18150581.9 |        |
| 3406820 | Vestel Elektronik Sanayi ve Ticaret<br>A.S.                                                  | 24/05/2017 | 3406820 | 17172700.1 |        |
| 3407762 | GlaxoSmithKline Consumer Healthcare<br>(UK) IP Limited                                       | 23/01/2017 | 3407762 | 17703049.1 |        |
| 3408025 | Albert-Ludwigs-Universität Freiburg                                                          | 24/01/2017 | 3408025 | 17701136.8 | German |
| 3408070 | Sealed Air Corporation (US)                                                                  | 26/01/2017 | 3408070 | 17707994.4 |        |
| 3408308 | BASF SE                                                                                      | 25/01/2017 | 3408308 | 17702048.4 | German |
| 3408348 | Merck Patent GmbH                                                                            | 18/01/2017 | 3408348 | 17701029.5 |        |
| 3408424 | Centre de Recherches Métallurgiques<br>ASBL - Centrum voor Research in de<br>Metallurgie VZW | 10/01/2017 | 3408424 | 17700271.4 | French |



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|----------------------------------------------------------------------------|-------------------------------------------------------------------|-------------------|---------|------------|
| 3408708                                                                    | DWS S.R.L.                                                        | 27/01/2017        | 3408708 | 17714271.8 |
| 3408797                                                                    | Microsoft Technology Licensing, LLC                               | 18/01/2017        | 3408797 | 17702999.8 |
| 3409098                                                                    | Deere & Company                                                   | 30/05/2018        | 3409098 | 18175030.8 |
| 3409155                                                                    | Gruppo Cimbali S.p.A.                                             | 18/05/2018        | 3409155 | 18173171.2 |
| 3409228                                                                    | Biosense Webster (Israel) Ltd.                                    | 31/05/2018        | 3409228 | 18175358.3 |
| 3409319                                                                    | Advanced Bionics AG                                               | 02/06/2017        | 3409319 | 17174191.1 |
| 3409498                                                                    | Fujifilm Corporation                                              | 28/11/2016        | 3409498 | 16897047.3 |
| 3409574                                                                    | Anemoui Marine Technologies Limited                               | 02/06/2017        | 3409574 | 17174379.2 |
| 3409914                                                                    | Cummins IP, Inc.                                                  | 14/01/2011        | 3409914 | 18185594.1 |
| 3410439                                                                    | Renesas Electronics Corporation                                   | 29/05/2018        | 3410439 | 18174686.8 |
| 3410888                                                                    | PF Consumer Healthcare 1 LLC                                      | 26/09/2016        | 3410888 | 16774994.4 |
| 3410955                                                                    | DOCI, Violeta                                                     | 06/02/2017        | 3410955 | 17708165.0 |
|                                                                            | DOCI, Donata Michelle                                             |                   |         |            |
| 3410964                                                                    | Citieffe S.r.L.                                                   | 03/02/2016        | 3410964 | 16704052.6 |
| 3411531                                                                    | Marquet, Thierry                                                  | 26/01/2017        | 3411531 | 17706573.7 |
|                                                                            | Chevalier, François                                               |                   |         |            |
| 3411771                                                                    | Microsoft Technology Licensing, LLC                               | 30/01/2017        | 3411771 | 17706337.7 |
| 3411908                                                                    | Soitec                                                            | 27/01/2017        | 3411908 | 17701524.5 |
|                                                                            | Commissariat à l'Énergie Atomique et<br>aux Énergies Alternatives |                   |         |            |
| 3412036                                                                    | Guedon, Christophe                                                | 06/02/2017        | 3412036 | 17703733.0 |
| 3412465                                                                    | Ricoh Company, Ltd.                                               | 30/01/2017        | 3412465 | 17747357.6 |
| 3412526                                                                    | Valeo Systèmes d'Essuyage                                         | 01/06/2018        | 3412526 | 18175615.6 |
| 3412577                                                                    | Sikorsky Aircraft Corporation                                     | 30/12/2008        | 3412577 | 18186833.2 |
| 3412687                                                                    | Amgen Research (Munich) GmbH                                      | 27/10/2011        | 3412687 | 18164175.4 |
| 3412889                                                                    | Mitsubishi Heavy Industries Engine &<br>Turbocharger, Ltd.        | 30/03/2016        | 3412889 | 16896854.3 |
| 3412892                                                                    | Mitsubishi Heavy Industries Engine &<br>Turbocharger, Ltd.        | 31/03/2016        | 3412892 | 16896983.0 |
| 3413327                                                                    | Littelfuse, Inc.                                                  | 06/06/2018        | 3413327 | 18176326.9 |
| 3413423                                                                    | GE Renewable Technologies Wind<br>B.V.                            | 09/06/2017        | 3413423 | 17382357.6 |
| 3414053                                                                    | Corning Incorporated                                              | 10/02/2017        | 3414053 | 17706936.6 |
| 3414137                                                                    | Siemens Mobility GmbH                                             | 20/03/2017        | 3414137 | 17714657.8 |
| 3414228                                                                    | GlaxoSmithKline Intellectual Property<br>Development Limited      | 10/02/2017        | 3414228 | 17704257.9 |
| 3414533                                                                    | Vega Americas, Inc.                                               | 09/02/2017        | 3414533 | 17705772.6 |

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| 3414590 | Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V. | 10/02/2017 | 3414590 | 17705090.3 | German |
| 3414948 | Qualcomm Incorporated                                                | 10/02/2017 | 3414948 | 17706643.8 |        |
| 3414963 | QUALCOMM Incorporated                                                | 06/01/2017 | 3414963 | 17701230.9 |        |
| 3415013 | Meyn Food Processing Technology B.V.                                 | 15/01/2018 | 3415013 | 18151613.9 |        |
| 3415724 | United Technologies Corporation                                      | 12/06/2018 | 3415724 | 18177379.7 |        |
| 3415887 | IMEC vzw                                                             | 14/06/2017 | 3415887 | 17175937.6 |        |
| 3415970 | avateramedical GmbH                                                  | 07/06/2018 | 3415970 | 18176480.4 | German |
| 3416204 | LG Chem, Ltd.                                                        | 22/12/2017 | 3416204 | 17899236.8 |        |
| 3416350 | Top Connect OÜ                                                       | 23/05/2018 | 3416350 | 18173719.8 |        |
| 3416434 | LG Electronics Inc.                                                  | 28/01/2010 | 3416434 | 18187114.6 |        |
| 3416570 | Gyrus Acmi Inc., D.B.A. Olympus Surgical Technologies America        | 09/03/2016 | 3416570 | 16713092.1 |        |
| 3416594 | Waldemar Link GmbH & Co. KG                                          | 30/01/2017 | 3416594 | 17701880.1 | German |
| 3416818 | Firestone Industrial Products Company, LLC                           | 16/02/2017 | 3416818 | 17708376.3 |        |
| 3417068 | Diagnostica Stago                                                    | 17/02/2017 | 3417068 | 17708868.9 | French |
| 3417675 | Whirlpool Corporation<br>Panasonic Corporation                       | 15/02/2016 | 3417675 | 16709189.1 |        |
| 3417688 | Amazonen-Werke H. Dreyer GmbH & Co. KG                               | 17/05/2018 | 3417688 | 18401047.8 | German |
| 3417797 | Ethicon LLC                                                          | 21/12/2017 | 3417797 | 17209305.6 |        |
| 3417922 | Spin Master Ltd.                                                     | 10/10/2016 | 3417922 | 17199571.5 |        |
| 3418249 | Manitou Italia S.r.l.                                                | 07/06/2018 | 3418249 | 18176581.9 |        |
| 3418254 | Dow Silicones Corporation                                            | 21/06/2018 | 3418254 | 18179116.1 |        |
| 3418489 | Weatherford Technology Holdings, LLC                                 | 12/06/2018 | 3418489 | 18177311.0 |        |
| 3418938 | BlackBerry Limited                                                   | 21/06/2018 | 3418938 | 18179049.4 |        |
| 3419010 | Samsung Display Co., Ltd.                                            | 21/06/2018 | 3419010 | 18179182.3 |        |
| 3419091 | Nissan Motor Co., Ltd.                                               | 17/10/2016 | 3419091 | 16890627.9 |        |
| 3419127 | GEWISS S.p.A.                                                        | 04/06/2018 | 3419127 | 18175686.7 |        |
| 3419209 | ADVA Optical Networking SE                                           | 30/01/2018 | 3419209 | 18154100.4 |        |
| 3419225 | NXP B.V.                                                             | 21/06/2017 | 3419225 | 17177251.0 |        |
| 3419229 | Juniper Networks, Inc.                                               | 31/05/2018 | 3419229 | 18175380.7 |        |
| 3419232 | Wangsu Science & Technology Co., Ltd.                                | 16/11/2016 | 3419232 | 16907091.9 |        |

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|--------------|----------------------------------------------------------|---------------------------------------------------------------|---------|------------|--------|
| 3419242      | Volvo Car Corporation                                    | 21/06/2017                                                    | 3419242 | 17177124.9 |        |
| 3419382      | Vestel Elektronik Sanayi ve Ticaret A.S.                 | 23/06/2017                                                    | 3419382 | 17177729.5 |        |
| 3419400      | Quanta Computer Inc.                                     | 13/04/2018                                                    | 3419400 | 18167237.9 |        |
| 3419902      | Krones AG                                                | 15/12/2016                                                    | 3419902 | 16819048.6 | German |
| 3420757      | QUALCOMM Incorporated                                    | 25/02/2017                                                    | 3420757 | 17710646.5 |        |
| 3420824      | Unilever PLC                                             | 13/01/2016                                                    | 3420824 | 18178874.6 |        |
| 3420832      | Bell Sports, Inc.                                        | 26/06/2018                                                    | 3420832 | 18179749.9 |        |
| 3421274      | VBG Group AB (Publ)                                      | 30/06/2017                                                    | 3421274 | 17178947.2 |        |
| 3421882      | OSRAM GmbH                                               | 15/06/2018                                                    | 3421882 | 18177908.3 |        |
| 3422042      | Aptiv Technologies Limited                               | 29/06/2017                                                    | 3422042 | 17178580.1 |        |
| 3422240      | SAP SE                                                   | 30/08/2017                                                    | 3422240 | 17001458.3 |        |
| 3422241      | Palantir Technologies Inc.                               | 21/06/2018                                                    | 3422241 | 18179118.7 |        |
| 3422661      | The Boeing Company                                       | 18/04/2018                                                    | 3422661 | 18168066.1 |        |
| 3424747      | Continental Reifen Deutschland GmbH                      | 09/04/2018                                                    | 3424747 | 18166233.9 | German |
| 3424869      | Manitou Italia S.r.l.                                    | 27/06/2018                                                    | 3424869 | 18180124.2 |        |
| 3424977      | 3V SIGMA S.p.A                                           | 25/06/2018                                                    | 3424977 | 18179542.8 |        |
| 3425114      | T2S Iberica, S.L.                                        | 04/07/2018                                                    | 3425114 | 18181597.8 |        |
| 3425161      | Rolls-Royce Corporation                                  | 26/04/2018                                                    | 3425161 | 18169469.6 |        |
| 3425169      | Rolls-Royce North American Technologies, Inc.            | 22/03/2018                                                    | 3425169 | 18163358.7 |        |
| 3426465      | Hewlett-Packard Development Company, L.P.                | 12/05/2016                                                    | 3426465 | 16722223.1 |        |
| 3426833      | Filip, Ioan                                              | 01/03/2017                                                    | 3426833 | 17713444.2 |        |
| 3426926      | Industrie Saleri Italo S.P.A.                            | 20/01/2017                                                    | 3426926 | 17709175.8 |        |
| 3427273      | Battelle Memorial Institute                              | 10/04/2018                                                    | 3427273 | 18721566.0 |        |
| 3428410      | General Electric Company                                 | 13/07/2017                                                    | 3428410 | 17305924.7 |        |
| 3428841      | Idemia Identity & Security France                        | 14/06/2018                                                    | 3428841 | 18177812.7 | French |
| 3429028      | Samsung Electronics Co., Ltd.                            | 13/07/2018                                                    | 3429028 | 18183538.0 |        |
| 3429854      | Koenig & Bauer AG                                        | 21/02/2017                                                    | 3429854 | 17706246.0 | German |
| 3430504      | Koenig & Bauer AG                                        | 15/03/2017                                                    | 3430504 | 17711136.6 | German |
| 3430629      | Isovolta AG                                              | 13/02/2017                                                    | 3430629 | 17705581.1 |        |
|              | Huntsman Advanced Materials Licensing (Switzerland) GmbH |                                                               |         |            |        |
| 3431183      | Derrick Corporation                                      | 09/09/2014                                                    | 3431183 | 18193851.5 |        |
| 3431203      | TRUMPF Maschinen Austria GmbH & Co. KG.                  | 13/07/2018                                                    | 3431203 | 18183397.1 | German |

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| 3431225 | Citic Dicastal Co., Ltd.                                                                          | 20/07/2018 | 3431225 | 18184674.2 |        |
| 3431277 | Mitsubishi Heavy Industries Machinery Systems, Ltd.                                               | 19/06/2017 | 3431277 | 17852637.2 |        |
| 3431399 | Schwucht, Valerio                                                                                 | 20/07/2018 | 3431399 | 18184731.0 | German |
| 3431651 | Whirlpool Corporation                                                                             | 27/06/2018 | 3431651 | 18180257.0 |        |
| 3431673 | Viega Technology GmbH & Co. KG                                                                    | 13/07/2018 | 3431673 | 18183410.2 | German |
| 3431717 | Rolls-Royce North American Technologies, Inc.                                                     | 24/05/2018 | 3431717 | 18173950.9 |        |
| 3431798 | Meritor Heavy Vehicle Braking Systems (UK) Limited                                                | 21/07/2017 | 3431798 | 17182675.3 |        |
| 3431884 | Tecnoeka S.R.L.                                                                                   | 18/07/2018 | 3431884 | 18184083.6 |        |
| 3432081 | Richemont International S.A.                                                                      | 16/07/2018 | 3432081 | 18183697.4 | French |
| 3432087 | ETA SA Manufacture Horlogère Suisse                                                               | 21/07/2017 | 3432087 | 17182614.2 | French |
| 3432152 | Coherent Logix Incorporated                                                                       | 14/10/2011 | 3432152 | 18168964.7 |        |
| 3432373 | Université Savoie Mont Blanc<br>Commissariat à l'Energie Atomique et<br>aux Energies Alternatives | 13/07/2018 | 3432373 | 18183377.3 | French |
| 3433104 | Evolis                                                                                            | 20/03/2017 | 3433104 | 17712461.7 | French |
| 3433635 | Qualcomm Incorporated                                                                             | 27/02/2017 | 3433635 | 17710457.7 |        |
| 3433853 | Gehrig, Urs                                                                                       | 20/03/2017 | 3433853 | 17712741.2 | German |
| 3433866 | DODUCO Contacts and Refining GmbH                                                                 | 14/03/2017 | 3433866 | 17713595.1 | German |
| 3433917 | Locus Robotics Corp.                                                                              | 01/04/2017 | 3433917 | 17719757.1 |        |
| 3434061 | Telefonaktiebolaget LM Ericsson (PUBL)                                                            | 21/03/2017 | 3434061 | 17714299.9 |        |
| 3434080 | Koninklijke Philips N.V.                                                                          | 21/03/2017 | 3434080 | 17711230.7 |        |
| 3434294 | KCI Licensing, Inc.                                                                               | 17/12/2009 | 3434294 | 18195281.3 |        |
| 3434526 | Ferno-Washington, Inc.                                                                            | 08/08/2014 | 3434526 | 18189052.6 |        |
| 3434572 | Kalloy Industrial Co., Ltd.                                                                       | 27/07/2017 | 3434572 | 17183647.1 |        |
| 3434775 | Helmholtz Zentrum München -<br>Deutsches Forschungszentrum für<br>Gesundheit und Umwelt (GmbH)    | 06/06/2012 | 3434775 | 18181129.0 |        |
| 3434798 | Kurimoto, Ltd.                                                                                    | 30/03/2016 | 3434798 | 16896864.2 |        |
| 3434833 | H.S.F. Samenwerkende Fabrieken B.V.                                                               | 24/07/2018 | 3434833 | 18185257.5 |        |
| 3434885 | Wärtsilä Finland Oy                                                                               | 08/04/2014 | 3434885 | 18191049.8 |        |
| 3434926 | BPW Bergische Achsen KG                                                                           | 18/07/2018 | 3434926 | 18184081.0 | German |

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| 3435011 | Vestel Elektronik Sanayi ve Ticaret A.S.                                                                                     | 25/07/2017 | 3435011 | 17183083.9 |        |
| 3435561 | Huawei Technologies Co., Ltd.                                                                                                | 13/12/2013 | 3435561 | 18174635.5 |        |
| 3435583 | QUALCOMM Incorporated                                                                                                        | 26/02/2016 | 3435583 | 18195740.8 |        |
| 3436386 | Otis Elevator Company                                                                                                        | 29/03/2017 | 3436386 | 17716390.4 |        |
| 3436506 | Akzo Nobel Coatings International BV                                                                                         | 31/03/2017 | 3436506 | 17713977.1 |        |
| 3437282 | Fraunhofer Gesellschaft zur Förderung der angewandten Forschung E.V.<br>Friedrich-Alexander-Universität<br>Erlangen-Nürnberg | 31/03/2016 | 3437282 | 16712891.7 |        |
| 3437477 | Miele & Cie. KG                                                                                                              | 11/07/2018 | 3437477 | 18182821.1 | German |
| 3437613 | Ferno-Washington, Inc.                                                                                                       | 13/01/2011 | 3437613 | 18192127.1 |        |
| 3437616 | Allen Medical Systems, Inc.                                                                                                  | 24/07/2018 | 3437616 | 18185330.0 |        |
| 3438379 | Procopi                                                                                                                      | 22/06/2018 | 3438379 | 18179250.8 | French |
| 3439519 | Husqvarna AB                                                                                                                 | 07/04/2016 | 3439519 | 16715508.4 |        |
| 3439886 | Koenig & Bauer AG                                                                                                            | 29/03/2018 | 3439886 | 18714516.4 | German |
| 3440390 | THUESEN & THUESEN A/S                                                                                                        | 27/03/2017 | 3440390 | 17716144.5 |        |
| 3440473 | General Electric Technology GmbH                                                                                             | 03/04/2017 | 3440473 | 17715146.1 |        |
| 3440531 | Qualcomm Incorporated                                                                                                        | 24/02/2017 | 3440531 | 17711822.1 |        |
| 3441036 | Koninklijke Philips N.V.                                                                                                     | 18/10/2011 | 3441036 | 18191405.2 |        |
| 3441189 | Matatakitoyo Tool Co., Ltd.                                                                                                  | 08/08/2017 | 3441189 | 17185417.7 |        |
| 3441245 | Dr. Schneider Kunststoffwerke GmbH                                                                                           | 03/08/2018 | 3441245 | 18187260.7 | German |
| 3441322 | Die Frischemanufaktur GmbH                                                                                                   | 10/08/2018 | 3441322 | 18000667.8 | German |
| 3441393 | RHODIA OPERATIONS                                                                                                            | 07/08/2017 | 3441393 | 17306053.4 |        |
| 3441591 | Nostrum Energy Pte. Ltd.                                                                                                     | 11/04/2012 | 3441591 | 18179882.8 |        |
| 3441607 | Hitachi Automotive Systems, Ltd.                                                                                             | 14/10/2011 | 3441607 | 18188512.0 |        |
| 3441628 | Airbus Operations GmbH                                                                                                       | 07/08/2018 | 3441628 | 18187849.7 |        |
| 3441951 | Carrier Corporation                                                                                                          | 08/08/2017 | 3441951 | 17382561.3 |        |
| 3441981 | Bruker AXS GmbH                                                                                                              | 09/12/2016 | 3441981 | 18194157.6 | German |
| 3442103 | Panasonic Corporation                                                                                                        | 05/09/2011 | 3442103 | 18197663.0 |        |
| 3442209 | Commscope Technologies LLC                                                                                                   | 16/11/2016 | 3442209 | 18198044.2 |        |
| 3443224 | Pur Wind ApS<br>Rosen Swiss AG                                                                                               | 18/04/2017 | 3443224 | 17718512.1 |        |
| 3443389 | Commissariat à l'énergie atomique et aux énergies alternatives                                                               | 10/04/2017 | 3443389 | 17721201.6 | French |
| 3443603 | Hugo Benzing GmbH & Co. KG                                                                                                   | 12/04/2017 | 3443603 | 17716922.4 | German |
| 3443848 | Snowdonia Research Sarl                                                                                                      | 11/12/2014 | 3443848 | 18168272.5 |        |

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| 3443913 | Ethicon LLC                                 | 28/09/2011 | 3443913 | 18192467.1 |        |
| 3444087 | Beheermaatschappij De Boer Nijmegen<br>B.V. | 13/08/2018 | 3444087 | 18188715.9 |        |
| 3444421 | Unind (Shenzhen) Co., Limited               | 13/05/2016 | 3444421 | 16901315.8 |        |
| 3444605 | Sonotec Ultraschallsensorik Halle<br>GmbH   | 17/08/2017 | 3444605 | 17186652.8 | German |
| 3444621 | The Boeing Company                          | 25/09/2012 | 3444621 | 18199445.0 |        |
| 3444704 | Disney Enterprises, Inc.                    | 08/08/2018 | 3444704 | 18188023.8 |        |
| 3444781 | CANON KABUSHIKI KAISHA                      | 29/12/2016 | 3444781 | 18191466.4 |        |
| 3444868 | LG Chem, Ltd.                               | 22/09/2017 | 3444868 | 17893458.4 |        |
| 3444895 | Samsung Electronics Co., Ltd.               | 14/08/2018 | 3444895 | 18189015.3 |        |
| 3444981 | QUALCOMM Incorporated                       | 26/04/2016 | 3444981 | 18191240.3 |        |
| 3445078 | Dali Systems Co. Ltd                        | 06/11/2012 | 3445078 | 18178591.6 |        |
| 3445467 | Jarola Vision B.V.                          | 21/04/2017 | 3445467 | 17727968.4 |        |
| 3445474 | BASF SE                                     | 06/04/2017 | 3445474 | 17716204.7 | German |
| 3445713 | Sil'Innov SCRL                              | 29/03/2017 | 3445713 | 17715089.3 | French |
| 3445804 | Covestro LLC                                | 18/04/2017 | 3445804 | 17725799.5 |        |
| 3446037 | Elmac Technologies Limited                  | 21/04/2017 | 3446037 | 17719892.6 |        |
| 3446368 | Würth Elektronik eiSos GmbH & Co.<br>KG     | 11/04/2017 | 3446368 | 17716538.8 | German |
| 3446462 | Cisco Technology, Inc.                      | 18/04/2017 | 3446462 | 17733143.6 |        |
| 3446716 | Cedars-Sinai Medical Center                 | 08/11/2012 | 3446716 | 18186583.3 |        |
| 3446862 | Grow Software Limited                       | 27/04/2012 | 3446862 | 18181506.9 |        |
| 3447083 | The Boeing Company                          | 14/06/2018 | 3447083 | 18177830.9 |        |
| 3447190 | Schweizerische Bundesbahnen SBB             | 21/08/2017 | 3447190 | 17187153.6 | German |
| 3447427 | InnoHeat Sweden AB                          | 22/08/2017 | 3447427 | 17187363.1 |        |
| 3447596 | Hamilton Sundstrand Corporation             | 20/08/2018 | 3447596 | 18189723.2 |        |
| 3447672 | Huawei Technologies Co., Ltd.               | 04/09/2014 | 3447672 | 18176912.6 |        |
| 3447956 | Huawei Technologies Co., Ltd.               | 05/04/2017 | 3447956 | 17795352.8 |        |
| 3448038 | Maxell, Ltd.                                | 09/10/2008 | 3448038 | 18195786.1 |        |
| 3448074 | Huawei Technologies Co., Ltd.               | 29/01/2008 | 3448074 | 18195166.6 |        |
| 3448281 | Ethicon LLC                                 | 06/04/2017 | 3448281 | 17718308.4 |        |
| 3448458 | Medtronic MiniMed, Inc.                     | 30/03/2017 | 3448458 | 17716429.0 |        |
| 3448470 | Novo Nordisk A/S                            | 28/04/2017 | 3448470 | 17721125.7 |        |
| 3448573 | General Electric Technology GmbH            | 03/05/2017 | 3448573 | 17721146.3 |        |
| 3448577 | GEA Mechanical Equipment GmbH               | 04/04/2017 | 3448577 | 17716815.0 | German |

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| 3448740      | thyssenkrupp Presta AG                               | 20/04/2017                                                    | 3448740 | 17722388.0 | German |
|              | thyssenkrupp AG                                      |                                                               |         |            |        |
| 3449040      | Chemetall GmbH                                       | 28/04/2017                                                    | 3449040 | 17721118.2 | German |
| 3449173      | Aygaz Anonim Sirketi                                 | 27/04/2017                                                    | 3449173 | 17735667.2 |        |
| 3449460      | Samsung Electronics Co., Ltd.                        | 25/05/2017                                                    | 3449460 | 17806939.9 |        |
| 3449888      | Schmitz u. Söhne GmbH & Co.<br>Kommanditgesellschaft | 08/08/2018                                                    | 3449888 | 18187953.7 | German |
| 3449892      | Machado Pires, Catarina Sofia                        | 27/04/2017                                                    | 3449892 | 17731270.9 |        |
| 3450038      | Basque Titanium Alliance S.L.                        | 17/10/2017                                                    | 3450038 | 17196905.8 |        |
| 3450203      | The Goodyear Tire & Rubber Company                   | 27/08/2018                                                    | 3450203 | 18190958.1 |        |
| 3450205      | The Goodyear Tire & Rubber Company                   | 27/08/2018                                                    | 3450205 | 18190997.9 |        |
| 3450256      | Ford Global Technologies, LLC                        | 31/08/2018                                                    | 3450256 | 18191888.9 | German |
| 3450312      | FLOWCOPTER LTD.                                      | 13/08/2018                                                    | 3450312 | 18188797.7 |        |
| 3450803      | Carl Freudenberg KG                                  | 29/08/2018                                                    | 3450803 | 18191364.1 | German |
| 3450901      | NEXTER Systems                                       | 27/08/2018                                                    | 3450901 | 18190956.5 | French |
| 3450951      | SAIPEM S.A.                                          | 29/08/2018                                                    | 3450951 | 18191578.6 | French |
| 3451129      | Honeywell International Inc.                         | 25/08/2018                                                    | 3451129 | 18190868.2 |        |
| 3451346      | Westinghouse Electric Germany GmbH                   | 16/08/2018                                                    | 3451346 | 18000678.5 | German |
| 3451591      | Siemens Aktiengesellschaft                           | 01/09/2017                                                    | 3451591 | 17188950.4 | German |
| 3451955      | Access Flow Systems, LLC                             | 03/05/2017                                                    | 3451955 | 17723844.1 |        |
| 3451962      | Affera, Inc.                                         | 02/05/2017                                                    | 3451962 | 17722967.1 |        |
| 3452374      | Société des Produits Nestlé S.A.                     | 20/04/2017                                                    | 3452374 | 17718896.8 |        |
| 3452395      | B.T.S.R. International S.p.A.                        | 04/05/2017                                                    | 3452395 | 17726152.6 |        |
| 3452420      | Verallia France                                      | 03/05/2017                                                    | 3452420 | 17725709.4 | French |
| 3452457      | Bayer Pharma Aktiengesellschaft                      | 02/05/2017                                                    | 3452457 | 17719298.6 |        |
| 3452470      | Bayer Pharma Aktiengesellschaft                      | 02/05/2017                                                    | 3452470 | 17723043.0 |        |
| 3452638      | Katholieke Universiteit Leuven<br>Universiteit Gent  | 04/05/2017                                                    | 3452638 | 17737200.0 |        |
| 3452642      | Kordsa Teknik Tekstil Anonim Sirketi                 | 30/06/2016                                                    | 3452642 | 16753727.3 |        |
| 3452668      | Wolf, Roland                                         | 18/04/2018                                                    | 3452668 | 18718798.4 | German |
| 3453264      | Ali Group S.r.l. - Carpigiani                        | 03/09/2018                                                    | 3453264 | 18192186.7 |        |
| 3453309      | Richard Wolf GmbH                                    | 03/09/2018                                                    | 3453309 | 18192169.3 | German |
| 3453438      | Parrot Drones                                        | 30/08/2018                                                    | 3453438 | 18191614.9 | French |
| 3453859      | Yamaha Hatsudoki Kabushiki Kaisha                    | 27/07/2017                                                    | 3453859 | 17836850.2 |        |
| 3454143      | GIRA GIERSEIPEN GmbH & Co. KG                        | 11/09/2017                                                    | 3454143 | 17190411.3 | German |
| 3454293      | Biosense Webster (Israel) Ltd.                       | 05/09/2018                                                    | 3454293 | 18192679.1 |        |
| 3454384      | Maven Optronics Co., Ltd.                            | 03/09/2018                                                    | 3454384 | 18192168.5 |        |

|         |                                                                                                                                  |            |         |            |        |
|---------|----------------------------------------------------------------------------------------------------------------------------------|------------|---------|------------|--------|
| 3454591 | ALSTOM Transport Technologies                                                                                                    | 11/09/2018 | 3454591 | 18193876.2 | French |
| 3455028 | Trumpf Werkzeugmaschinen GmbH +<br>Co. KG                                                                                        | 08/05/2017 | 3455028 | 17723323.6 | German |
| 3455103 | TREVES Products, Services &<br>Innovation                                                                                        | 11/05/2017 | 3455103 | 17727293.7 | French |
| 3455156 | Excent France                                                                                                                    | 07/11/2017 | 3455156 | 17803819.6 | French |
| 3455370 | The Procter & Gamble Company                                                                                                     | 09/05/2017 | 3455370 | 17724704.6 |        |
| 3455483 | Safran Ceramics<br>Safran Aircraft Engines                                                                                       | 12/05/2017 | 3455483 | 17727662.3 | French |
| 3455556 | Siemens Aktiengesellschaft                                                                                                       | 12/05/2016 | 3455556 | 16726703.8 |        |
| 3455592 | Robert Bosch GmbH                                                                                                                | 04/05/2017 | 3455592 | 17721376.6 | German |
| 3455860 | Daher Nuclear Technologies GmbH                                                                                                  | 10/05/2017 | 3455860 | 17723340.0 | German |
| 3455868 | Leopold Kostal GmbH & Co. KG                                                                                                     | 11/05/2017 | 3455868 | 17722799.8 | German |
| 3456083 | Telefonaktiebolaget LM Ericsson<br>(PUBL)                                                                                        | 12/05/2017 | 3456083 | 17727744.9 |        |
| 3456094 | QUALCOMM Incorporated                                                                                                            | 10/05/2017 | 3456094 | 17728294.4 |        |
| 3456515 | The Boeing Company                                                                                                               | 16/08/2018 | 3456515 | 18189424.7 |        |
| 3456593 | WashTec Holding GmbH                                                                                                             | 08/08/2018 | 3456593 | 18187888.5 | German |
| 3456611 | TOYOTA JIDOSHA KABUSHIKI<br>KAISHA                                                                                               | 08/08/2018 | 3456611 | 18188022.0 |        |
| 3456911 | BBG S.A.                                                                                                                         | 28/04/2017 | 3456911 | 17730569.5 |        |
| 3459086 | Prysmian S.p.A.                                                                                                                  | 17/05/2016 | 3459086 | 16729062.6 |        |
| 3459100 | ArianeGroup SAS                                                                                                                  | 15/05/2017 | 3459100 | 17731196.6 | French |
| 3459120 | Electricité de France<br>Paris Sciences et Lettres - Quartier<br>Latin<br>Centre National de la Recherche<br>Scientifique - CNRS | 12/05/2017 | 3459120 | 17722073.8 | French |
| 3459123 | Lumileds LLC                                                                                                                     | 19/05/2017 | 3459123 | 17800212.7 |        |
| 3459503 | DePuy Ireland Unlimited Company                                                                                                  | 14/09/2018 | 3459503 | 18194434.9 |        |
| 3460843 | NXP USA, Inc.                                                                                                                    | 18/09/2018 | 3460843 | 18195275.5 |        |
| 3461130 | Samsung Electronics Co., Ltd.                                                                                                    | 17/08/2010 | 3461130 | 18204758.9 |        |
| 3461737 | Bell Helicopter Textron Inc.                                                                                                     | 19/09/2018 | 3461737 | 18195577.4 |        |
| 3462530 | SEKISUI CHEMICAL CO., LTD.                                                                                                       | 18/09/2015 | 3462530 | 18194197.2 |        |
| 3462587 | TOYOTA JIDOSHA KABUSHIKI<br>KAISHA                                                                                               | 16/08/2018 | 3462587 | 18189284.5 |        |
| 3462737 | Samsung Electronics Co., Ltd.                                                                                                    | 15/07/2011 | 3462737 | 18207477.3 |        |



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| 3462838      | Université de La Réunion                                        | 31/05/2017                                                    | 3462838 | 17730884.8 | French |
| 3463030      | Illinois Tool Works Inc.                                        | 02/05/2017                                                    | 3463030 | 17722965.5 |        |
| 3463553      | Pajunk GmbH Medizintechnologie                                  | 26/05/2017                                                    | 3463553 | 17726918.0 | German |
| 3463738      | G.C.C. Holding B.V.                                             | 22/05/2017                                                    | 3463738 | 17732245.0 |        |
| 3463739      | Dover Europe Sàrl                                               | 26/04/2017                                                    | 3463739 | 17724758.2 |        |
| 3463785      | Previero N. S.R.L.                                              | 05/06/2017                                                    | 3463785 | 17727249.9 |        |
| 3463939      | ThyssenKrupp Bilstein GmbH<br>thyssenkrupp AG                   | 29/05/2017                                                    | 3463939 | 17730400.3 | German |
| 3464455      | Dow Global Technologies LLC                                     | 18/05/2017                                                    | 3464455 | 17726800.0 |        |
| 3464467      | INEOS Styrolution Group GmbH                                    | 06/06/2017                                                    | 3464467 | 17728188.8 |        |
| 3464744      | Etex Building Performance<br>International SAS                  | 24/05/2017                                                    | 3464744 | 17725269.9 |        |
| 3464765      | Bentley Motors Limited                                          | 26/04/2017                                                    | 3464765 | 17723741.9 |        |
| 3464801      | Metrol Technology Limited                                       | 26/05/2017                                                    | 3464801 | 17727352.1 |        |
| 3464932      | ThyssenKrupp Bilstein GmbH<br>thyssenkrupp AG                   | 16/05/2017                                                    | 3464932 | 17724003.3 | German |
| 3464943      | Straight Line Drive, Inc.                                       | 26/05/2017                                                    | 3464943 | 17733917.3 |        |
| 3464985      | Saipem SA                                                       | 16/05/2017                                                    | 3464985 | 17731201.4 | French |
| 3465046      | fischer Eco Solutions GmbH                                      | 24/05/2017                                                    | 3465046 | 17729001.2 |        |
| 3465156      | Leica Microsystems CMS GmbH                                     | 24/05/2017                                                    | 3465156 | 17727541.9 | German |
| 3465527      | Atomite, Inc.                                                   | 25/05/2017                                                    | 3465527 | 17729287.7 |        |
| 3465781      | Robert Bosch GmbH                                               | 26/04/2017                                                    | 3465781 | 17719592.2 | German |
| 3465787      | Soitec                                                          | 24/05/2017                                                    | 3465787 | 17732503.2 | French |
| 3465863      | ABB Schweiz AG                                                  | 01/06/2016                                                    | 3465863 | 16726118.9 |        |
| 3465947      | Oledcomm                                                        | 02/06/2017                                                    | 3465947 | 17731825.0 | French |
| 3466007      | Telefonaktiebolaget LM Ericsson<br>(PUBL)                       | 24/05/2016                                                    | 3466007 | 16729090.7 |        |
| 3466087      | Google LLC                                                      | 29/09/2017                                                    | 3466087 | 17785106.0 |        |
| 3466170      | Telefonaktiebolaget LM Ericsson<br>(PUBL)                       | 03/06/2016                                                    | 3466170 | 16904182.9 |        |
| 3466271      | Roquette Frères                                                 | 03/10/2017                                                    | 3466271 | 17306321.5 |        |
| 3466576      | Airbus Operations, S.L.                                         | 04/10/2017                                                    | 3466576 | 17382662.9 |        |
| 3468222      | Bose Corporation                                                | 11/01/2017                                                    | 3468222 | 18206539.1 |        |
| 3468905      | Inventio AG                                                     | 07/06/2017                                                    | 3468905 | 17727267.1 | German |
| 3469066      | VITO NV (Vlaamse Instelling voor<br>Technologisch Onderzoek NV) | 02/06/2017                                                    | 3469066 | 17730423.5 |        |
| 3469106      | Primetals Technologies Austria GmbH                             | 08/06/2017                                                    | 3469106 | 17727625.0 | German |

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| 3469107 | Primetals Technologies Austria GmbH                                                         | 08/06/2017 | 3469107 | 17727914.8 | German |
| 3469144 | TenCate Geosynthetics Netherlands B.V.                                                      | 08/06/2016 | 3469144 | 16744902.4 |        |
| 3469310 | General Electric Company                                                                    | 14/06/2017 | 3469310 | 17737941.9 |        |
| 3469805 | Safran Electronics & Defense<br>Safran Nacelles                                             | 12/06/2017 | 3469805 | 17728581.4 | French |
| 3470154 | Mitsubishi Gas Chemical Company, Inc.                                                       | 19/05/2017 | 3470154 | 17813086.0 |        |
| 3470303 | TOYOTA JIDOSHA KABUSHIKI<br>KAISHA                                                          | 29/08/2018 | 3470303 | 18191511.7 |        |
| 3470563 | Vueffe Studio SRL                                                                           | 28/09/2018 | 3470563 | 18197769.5 |        |
| 3471161 | LG Chem, Ltd.                                                                               | 04/07/2017 | 3471161 | 17827856.0 |        |
| 3471288 | Thales<br>Centre National d'Etudes Spatiales                                                | 05/10/2018 | 3471288 | 18198930.2 | French |
| 3471536 | Vervaeke-Belavi                                                                             | 15/06/2017 | 3471536 | 17729510.2 |        |
| 3471561 | Arla Foods Amba                                                                             | 21/06/2017 | 3471561 | 17730823.6 |        |
| 3471674 | Alcon Inc.                                                                                  | 31/07/2017 | 3471674 | 17762211.5 |        |
| 3471858 | L'Air Liquide Société Anonyme pour l'Etude et l'Exploitation des Procédés<br>Georges Claude | 12/06/2017 | 3471858 | 17735205.1 | French |
| 3471874 | TRuCapSol, LLC.                                                                             | 16/06/2017 | 3471874 | 17740505.7 |        |
| 3471992 | Innogy SE                                                                                   | 25/04/2017 | 3471992 | 17730377.3 | German |
| 3472382 | BSH Hausgeräte GmbH                                                                         | 08/06/2017 | 3472382 | 17730281.7 |        |
| 3472594 | Corning Incorporated                                                                        | 15/06/2017 | 3472594 | 17735688.8 |        |
| 3472662 | Fondazione Istituto Italiano di Tecnologia                                                  | 20/06/2017 | 3472662 | 17749516.5 |        |
| 3473627 | LG Chem, Ltd.                                                                               | 31/01/2018 | 3473627 | 18805836.6 |        |
| 3473668 | LG Chem, Ltd.                                                                               | 12/06/2017 | 3473668 | 17813532.3 |        |
| 3473901 | Siemens Schweiz AG                                                                          | 20/10/2017 | 3473901 | 17197625.1 |        |
| 3475151 | PIAGGIO & C. S.p.A.                                                                         | 09/06/2017 | 3475151 | 17737369.3 |        |
| 3475310 | Contipro A.S.                                                                               | 26/06/2017 | 3475310 | 17746370.0 |        |
| 3475534 | Siemens Aktiengesellschaft                                                                  | 28/07/2017 | 3475534 | 17749158.6 | German |
| 3475537 | Woodward, Inc.                                                                              | 22/06/2017 | 3475537 | 17735713.4 |        |
| 3475579 | Caprari S.p.A.                                                                              | 26/06/2017 | 3475579 | 17751833.9 |        |
| 3475667 | Endress+Hauser Flowtec AG                                                                   | 19/04/2017 | 3475667 | 17718086.6 | German |
| 3476000 | Westfälische Hochschule Gelsenkirchen<br>Bocholt Recklinghausen                             | 08/06/2017 | 3476000 | 17737719.9 | German |

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| 3476740                                                                    | AIRBUS OPERATIONS (S.A.S)                                                                      | 24/10/2018        | 3476740 | 18202377.0 | French |
| 3477194                                                                    | Many Wain Enterprise Co., Ltd.                                                                 | 24/10/2017        | 3477194 | 17197984.2 |        |
| 3477720                                                                    | LG Chem, Ltd.                                                                                  | 03/01/2018        | 3477720 | 18776942.7 |        |
| 3477976                                                                    | Huawei Technologies Co., Ltd.                                                                  | 21/07/2016        | 3477976 | 16909210.3 |        |
| 3478037                                                                    | TOYOTA JIDOSHA KABUSHIKI<br>KAISHA                                                             | 10/10/2018        | 3478037 | 18199703.2 |        |
| 3478481                                                                    | Signify Holding B.V.                                                                           | 07/06/2017        | 3478481 | 17729844.5 |        |
| 3478797                                                                    | IFP Energies nouvelles                                                                         | 30/05/2017        | 3478797 | 17728482.5 | French |
| 3479177                                                                    | Siemens Industry, Inc.                                                                         | 25/04/2017        | 3479177 | 17721302.2 |        |
| 3480160                                                                    | Jungheinrich Aktiengesellschaft                                                                | 22/10/2018        | 3480160 | 18201839.0 | German |
| 3480287                                                                    | Dalli-Werke GmbH & Co. KG                                                                      | 03/11/2017        | 3480287 | 17199802.4 |        |
| 3480526                                                                    | Electricité de France                                                                          | 05/11/2018        | 3480526 | 18204408.1 | French |
| 3480607                                                                    | Shenzhen Goodix Technology Co., Ltd.                                                           | 11/09/2017        | 3480607 | 17905911.8 |        |
| 3481502                                                                    | Neuroloop GmbH                                                                                 | 06/07/2017        | 3481502 | 17735546.8 | German |
| 3482186                                                                    | 4activeSystems GmbH                                                                            | 05/07/2017        | 3482186 | 17740659.2 | German |
| 3482532                                                                    | Cisco Technology, Inc.                                                                         | 03/07/2017        | 3482532 | 17740844.0 |        |
| 3482664                                                                    | Sigaud, Philippe                                                                               | 09/11/2018        | 3482664 | 18205525.1 | French |
| 3483058                                                                    | Airbus Operations S.A.S.                                                                       | 12/10/2018        | 3483058 | 18200078.6 | French |
| 3483064                                                                    | Bell Helicopter Textron Inc.                                                                   | 09/01/2018        | 3483064 | 18150905.0 |        |
| 3483069                                                                    | AIRBUS OPERATIONS (S.A.S.)                                                                     | 12/10/2018        | 3483069 | 18200083.6 | French |
| 3483079                                                                    | MAKRO LABELLING S.r.l.                                                                         | 14/12/2016        | 3483079 | 18211284.7 |        |
| 3483369                                                                    | Kiekert AG                                                                                     | 12/01/2017        | 3483369 | 18000928.4 |        |
| 3483495                                                                    | Patlite Corporation                                                                            | 28/12/2015        | 3483495 | 18205119.3 |        |
| 3483595                                                                    | Commissariat à l'Energie Atomique et<br>aux Energies Alternatives                              | 24/10/2018        | 3483595 | 18202426.5 | French |
| 3485501                                                                    | L'Air Liquide Société Anonyme pour<br>l'Etude et l'Exploitation des Procédés<br>Georges Claude | 07/07/2017        | 3485501 | 17742826.5 | French |
| 3486138                                                                    | JTEKT CORPORATION                                                                              | 15/11/2018        | 3486138 | 18206495.6 |        |
| 3487201                                                                    | Samsung Electronics Co., Ltd.                                                                  | 14/01/2015        | 3487201 | 18214697.7 |        |
| 3487216                                                                    | NTT DOCOMO, INC.                                                                               | 20/11/2017        | 3487216 | 17202623.9 |        |
| 3487731                                                                    | Erke Erke Arastirmalari Ve<br>Mühendislik A.S.                                                 | 20/07/2016        | 3487731 | 16750637.7 |        |
| 3488841                                                                    | Harro Höfliger Verpackungsmaschinen<br>GmbH                                                    | 24/11/2017        | 3488841 | 17203515.6 | German |
| 3489234                                                                    | Shanghai Institute of Materia<br>MedicaChinese Academy of Sciences                             | 18/07/2017        | 3489234 | 17830457.2 |        |

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| 3491252 | I.R.C.A. S.p.A. Industria Resistenze<br>Corazzate e Affini                     | 27/07/2017 | 3491252 | 17757887.9 |        |
| 3491296 | ELICA S.p.A.                                                                   | 15/06/2017 | 3491296 | 17730950.7 |        |
| 3491371 | Office National d'Etudes et de<br>Recherches Aéropatiales                      | 06/07/2017 | 3491371 | 17742500.6 | French |
| 3491988 | Wessel-Werk GmbH                                                               | 30/11/2017 | 3491988 | 17204720.1 | German |
| 3492058 | Sunrise Medical GmbH                                                           | 04/12/2017 | 3492058 | 17205225.0 |        |
| 3492837 | mitsubishi electric<br>corporation                                             | 10/10/2017 | 3492837 | 17908098.1 |        |
| 3493700 | L'OREAL                                                                        | 31/07/2017 | 3493700 | 17743364.6 |        |
| 3495176 | Haldex Brake Products Aktiebolag                                               | 27/03/2015 | 3495176 | 18206944.3 | German |
| 3495255 | Yamaha Hatsudoki Kabushiki Kaisha                                              | 23/08/2018 | 3495255 | 18190498.8 |        |
| 3495959 | Google LLC                                                                     | 25/07/2014 | 3495959 | 19154187.9 |        |
| 3496548 | Unilever PLC                                                                   | 02/08/2017 | 3496548 | 17751344.7 |        |
| 3497367 | Signify Holding B.V.                                                           | 13/07/2017 | 3497367 | 17739970.6 |        |
| 3497910 | Signify Holding B.V.                                                           | 08/08/2017 | 3497910 | 17749194.1 |        |
| 3498278 | Facio Intellectual Property B.V.                                               | 13/12/2018 | 3498278 | 18212420.6 |        |
| 3498610 | Airbus Operations (S.A.S.)                                                     | 12/12/2018 | 3498610 | 18211828.1 | French |
| 3498994 | I.G. Bauerrhin GmbH                                                            | 06/12/2018 | 3498994 | 18000942.5 | German |
| 3499302 | Samsung Electronics Co., Ltd.                                                  | 18/11/2015 | 3499302 | 19153846.1 |        |
| 3499549 | Nissan Motor Co., Ltd.                                                         | 10/08/2016 | 3499549 | 16912677.8 |        |
| 3499978 | Samsung Electronics Co., Ltd.                                                  | 11/06/2010 | 3499978 | 18208693.4 |        |
| 3500198 | Cardiolectra GmbH                                                              | 16/08/2017 | 3500198 | 17772600.7 | German |
| 3500369 | AKYÜREK MAKINE SANAYI VE<br>TICARET ANONIM SİRKETİ                             | 21/06/2017 | 3500369 | 17780232.9 |        |
| 3501024 | Telefonaktiebolaget LM Ericsson<br>(PUBL)                                      | 22/08/2016 | 3501024 | 16760670.6 |        |
| 3502193 | Daicel-Evonik Ltd.                                                             | 17/10/2013 | 3502193 | 19154665.4 |        |
| 3502270 | The General Hospital Corporation                                               | 15/10/2014 | 3502270 | 19150422.4 |        |
| 3502415 | United Technologies Corporation                                                | 13/12/2018 | 3502415 | 18212247.3 |        |
| 3502589 | GD Midea Heating & Ventilating<br>Equipment Co., Ltd.<br>Midea Group Co., Ltd. | 23/11/2016 | 3502589 | 16914024.1 |        |
| 3502814 | Omron Corporation                                                              | 23/11/2018 | 3502814 | 18208028.3 |        |
| 3503628 | Deutsche Telekom AG                                                            | 22/12/2017 | 3503628 | 17210052.1 | German |
| 3503677 | TMT Machinery, Inc.                                                            | 21/11/2018 | 3503677 | 18207526.7 |        |
| 3504436 | Secop GmbH                                                                     | 21/08/2017 | 3504436 | 17758121.2 | German |

|         |                                                                                       |            |         |            |        |
|---------|---------------------------------------------------------------------------------------|------------|---------|------------|--------|
| 3507191 | thyssenkrupp Marine Systems GmbH<br>thyssenkrupp AG                                   | 29/08/2017 | 3507191 | 17767742.4 | German |
| 3507397 | E. I. du Pont de Nemours and Company                                                  | 11/08/2017 | 3507397 | 17758677.3 |        |
| 3508601 | JFE Steel Corporation                                                                 | 29/08/2017 | 3508601 | 17846479.8 |        |
| 3508936 | Autel Robotics Co., Ltd.                                                              | 02/11/2017 | 3508936 | 17814294.9 |        |
| 3509122 | LG Chem, Ltd.                                                                         | 22/08/2017 | 3509122 | 17835990.7 |        |
| 3509817 | SABIC Global Technologies B.V.                                                        | 12/09/2017 | 3509817 | 17777444.5 |        |
| 3510100 | Total Research & Technology Feluy                                                     | 31/08/2017 | 3510100 | 17758193.1 |        |
| 3511026 | GreenAirSystems GmbH                                                                  | 12/01/2018 | 3511026 | 18151451.4 | German |
| 3511133 | SOPREMA (Société par Actions<br>Simplifiée)                                           | 02/01/2019 | 3511133 | 19150019.8 | French |
| 3513945 | Brückner Maschinenbau GmbH & Co.<br>Kg                                                | 17/01/2019 | 3513945 | 19152217.6 | German |
| 3514666 | Shenzhen Goodix Technology Co., Ltd.                                                  | 17/09/2016 | 3514666 | 16891897.7 |        |
| 3515404 | Spinethera                                                                            | 28/10/2016 | 3515404 | 16794174.9 |        |
| 3516010 | Koninklijke Philips N.V.                                                              | 18/09/2017 | 3516010 | 17771403.7 |        |
| 3517498 | Xylem Europe GmbH                                                                     | 29/01/2018 | 3517498 | 18153893.5 |        |
| 3518299 | Lumileds Holding B.V.                                                                 | 29/01/2018 | 3518299 | 18153872.9 |        |
| 3518729 | Fortimedix Surgical B.V.                                                              | 26/09/2017 | 3518729 | 17787048.2 |        |
| 3519546 | Unilever PLC                                                                          | 06/09/2017 | 3519546 | 17768719.1 |        |
| 3521016 | Unitika, Ltd.                                                                         | 27/09/2017 | 3521016 | 17856215.3 |        |
| 3521441 | AdvaTec Projects GmbH & Co. KG                                                        | 13/12/2018 | 3521441 | 18212478.4 | German |
| 3523650 | IML Instrumenta Mechanik Labor<br>GmbH                                                | 22/09/2017 | 3523650 | 17784842.1 | German |
| 3526513 | Lumileds Holding B.V.                                                                 | 11/10/2017 | 3526513 | 17788173.7 |        |
| 3526641 | Carl Zeiss Vision International GmbH                                                  | 13/10/2017 | 3526641 | 17788090.3 |        |
| 3526822 | Davis, Jason<br>Stepanov, Artur<br>Kozlowski, Eric<br>Magna Seating Inc.              | 12/10/2017 | 3526822 | 17794133.3 |        |
| 3528781 | Unilever PLC, a company registered in<br>England and Wales under company no.<br>41424 | 09/05/2017 | 3528781 | 17722029.0 |        |
| 3529342 | Unilever PLC                                                                          | 27/09/2017 | 3529342 | 17777871.9 |        |
| 3532337 | Chakratec Ltd.                                                                        | 25/10/2017 | 3532337 | 17797760.0 |        |
| 3532457 | Small Pharma Ltd                                                                      | 31/07/2018 | 3532457 | 18758671.4 |        |
| 3533247 | Alibaba Group Holding Limited                                                         | 28/06/2018 | 3533247 | 18755577.6 |        |

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|---------|-----------------------------------------------------------------|------------|---------|------------|--------|
| 3533398 | Smith & Nephew, Inc.                                            | 11/12/2015 | 3533398 | 19161652.3 |        |
| 3533618 | Sun Same Enterprises Co., Ltd.                                  | 30/08/2018 | 3533618 | 18191665.1 |        |
| 3534512 | Wieland-Werke AG                                                | 28/01/2019 | 3534512 | 19000044.8 | German |
| 3534785 | Koninklijke Philips N.V.                                        | 01/11/2017 | 3534785 | 17791110.4 |        |
| 3538441 | Airbus Defence and Space SAS                                    | 10/11/2017 | 3538441 | 17800803.3 | French |
| 3540162 | YKK AP Inc.                                                     | 30/01/2019 | 3540162 | 19154462.6 |        |
| 3541491 | Aqseptence Group GmbH                                           | 03/01/2018 | 3541491 | 18703200.8 | German |
| 3542099 | Signify Holding B.V.                                            | 03/11/2017 | 3542099 | 17807710.3 |        |
| 3544455 | MAS Innovation (Private) Limited                                | 02/10/2018 | 3544455 | 18792564.9 |        |
| 3546669 | Pure Vista Ltd                                                  | 08/06/2018 | 3546669 | 18176868.0 |        |
| 3549829 | Autoliv Development AB                                          | 05/04/2018 | 3549829 | 18165910.3 |        |
| 3552249 | Koninklijke Philips N.V.                                        | 06/12/2017 | 3552249 | 17808944.7 |        |
| 3553096 | Borealis AG                                                     | 10/04/2018 | 3553096 | 18166433.5 |        |
| 3559548 | Stele, Anton                                                    | 17/08/2017 | 3559548 | 17800630.0 |        |
| 3560831 | Bell Helicopter Textron Inc.                                    | 05/11/2018 | 3560831 | 18204448.7 |        |
| 3561509 | Akademia Gornicz-Hutnicza im.<br>Stanisława Staszica w Krakowie | 22/08/2018 | 3561509 | 18190345.1 |        |
| 3565777 | Spoolex                                                         | 24/01/2018 | 3565777 | 18703073.9 | French |
| 3566416 | Audi AG                                                         | 18/06/2018 | 3566416 | 18732328.2 | German |
| 3567174 | ISO-Chemie GmbH                                                 | 07/05/2018 | 3567174 | 18170977.5 | German |
| 3571034 | Synventive Molding Solutions, Inc.                              | 16/04/2018 | 3571034 | 18723120.4 |        |

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|---------|--------------------------------------|------------|---------|------------|--------|
| 1156991 | IMERTECH SAS                         | 28/02/2000 | 1156991 | 00907756.1 |        |
| 1421243 | Microtek Laboratories, Inc.          | 07/08/2002 | 1421243 | 02772126.5 | German |
| 1451836 | Maxwell Technologies, Inc.           | 27/08/2002 | 1451836 | 02768721.9 |        |
| 1470544 | QUALCOMM INCORPORATED                | 31/01/2003 | 1470544 | 03735093.1 |        |
| 1518605 | RTS Life Science Limited             | 15/09/2004 | 1518605 | 04255571.4 |        |
| 1519902 | SAINT-GOBAIN GLASS FRANCE            | 02/07/2003 | 1519902 | 03762724.7 | French |
| 1612285 | DOWA METALTECH CO., LTD.             | 30/06/2005 | 1612285 | 05014228.0 |        |
| 1634192 | SAP SE                               | 26/05/2004 | 1634192 | 04734840.4 |        |
| 1637314 | YAMAUCHI CORPORATION                 | 13/05/2004 | 1637314 | 04732752.3 |        |
| 1655068 | HOPPECKE Batterien GmbH & Co.<br>KG. | 04/11/2004 | 1655068 | 04026105.9 | German |
| 1665361 | Cree, Inc.                           | 13/09/2004 | 1665361 | 04783941.0 |        |
| 1666724 | Wobben Properties GmbH               | 24/04/2002 | 1666724 | 06110622.5 | German |
| 1681964 | Behr Process Corporation             | 04/11/2004 | 1681964 | 04818628.2 |        |

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|--------------|-------------------------------------------------------------------------|---------------------------------------------------------------|---------|------------|--------|
| 1684672      | SMITH & NEPHEW, INC.                                                    | 13/10/2004                                                    | 1684672 | 04794948.2 |        |
| 1702191      | Valeo, Inc.                                                             | 15/12/2004                                                    | 1702191 | 04814284.8 |        |
| 1723589      | Align Technology, Inc.                                                  | 22/02/2005                                                    | 1723589 | 05714058.4 |        |
| 1742744      | Fellowes, Inc.                                                          | 01/04/2005                                                    | 1742744 | 05731547.5 |        |
| 1766302      | 1807983 Ontario Limited                                                 | 23/06/2005                                                    | 1766302 | 05759155.4 |        |
| 1766997      | Orange                                                                  | 28/06/2005                                                    | 1766997 | 05783895.5 | French |
| 1778240      | Oncoheroes Biosciences Inc.                                             | 09/08/2005                                                    | 1778240 | 05770942.0 |        |
| 1787153      | Corning Research & Development Corporation                              | 23/06/2005                                                    | 1787153 | 05764354.6 |        |
| 1799811      | WICELL RESEARCH INSTITUTE, INC.<br>Wisconsin Alumni Research Foundation | 27/09/2005                                                    | 1799811 | 05801117.2 |        |
| 1799921      | Symrise AG                                                              | 06/10/2005                                                    | 1799921 | 05792119.9 | German |
| 1809043      | InterDigital VC Holdings, Inc.                                          | 01/12/2004                                                    | 1809043 | 07103949.9 |        |
| 1891122      | Ineos Sales (UK) Limited                                                | 01/06/2006                                                    | 1891122 | 06744062.8 |        |
| 1915671      | Cpacket Networks, Inc.                                                  | 18/08/2006                                                    | 1915671 | 06789844.5 |        |
| 1922874      | Microsoft Technology Licensing, LLC                                     | 03/08/2006                                                    | 1922874 | 06789459.2 |        |
| 1949132      | QinetiQ Limited                                                         | 08/11/2006                                                    | 1949132 | 06808462.3 |        |
| 1959135      | SIEMENS GAMESA RENEWABLE ENERGY INNOVATION & TECHNOLOGY, S.L.           | 30/01/2008                                                    | 1959135 | 08001671.0 |        |
| 1964582      | Sunstar Suisse SA                                                       | 28/11/2006                                                    | 1964582 | 06833452.3 |        |
| 1968006      | Panasonic Intellectual Property Corporation of America                  | 26/12/2006                                                    | 1968006 | 06843352.3 |        |
| 1982480      | Thales                                                                  | 06/02/2007                                                    | 1982480 | 07712159.8 | French |
| 2006614      | Daikin Industries, Ltd.                                                 | 26/03/2007                                                    | 2006614 | 07739659.6 |        |
| 2012414      | Korea Electrotechnology Research Institute                              | 25/06/2008                                                    | 2012414 | 08011496.0 |        |
| 2013943      | Ampleon Netherlands B.V.                                                | 24/04/2007                                                    | 2013943 | 07735617.8 |        |
| 2018660      | Murata Integrated Passive Solutions                                     | 30/04/2007                                                    | 2018660 | 07735708.5 |        |
| 2028559      | Canon Kabushiki Kaisha                                                  | 23/05/2007                                                    | 2028559 | 07744353.9 |        |
| 2032654      | ELKEM SILICONES France SAS                                              | 27/06/2007                                                    | 2032654 | 07786869.3 | French |
| 2040048      | Plastic Omnium Advanced Innovation and Research                         | 20/09/2007                                                    | 2040048 | 07116867.8 |        |
| 2043767      | WISCONSIN ALUMNI RESEARCH FOUNDATION                                    | 12/07/2007                                                    | 2043767 | 07812840.2 |        |

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|---------|-------------------------------------------|------------|---------|------------|--------|
| 2059101 | Ericsson-LG Enterprise Co., Ltd.          | 04/11/2008 | 2059101 | 08019262.8 |        |
| 2061897 | Wyeth LLC                                 | 21/07/2007 | 2061897 | 07836299.3 |        |
| 2063532 | Basalte BVBA                              | 13/11/2008 | 2063532 | 08169043.0 |        |
| 2074389 | Micro Motion, Inc.                        | 28/07/2006 | 2074389 | 06788986.5 |        |
| 2076311 | Smith & Nephew, Inc<br>Smith & Nephew plc | 25/07/2007 | 2076311 | 07813362.6 |        |
| 2080823 | Sumitomo Electric Industries, Ltd.        | 09/10/2007 | 2080823 | 07829399.0 |        |
| 2092651 | 3G Licensing S.A.                         | 09/11/2007 | 2092651 | 07858681.5 | French |
| 2104417 | Radio Systems Corporation                 | 17/01/2008 | 2104417 | 08724581.7 |        |
| 2105541 | Colombo, Renato                           | 27/03/2008 | 2105541 | 08153464.6 |        |
| 2110486 | Ankaba Ankertechnik und Bauhandel<br>AG   | 09/04/2009 | 2110486 | 09005209.3 | German |
| 2118705 | Nokia of America Corporation              | 11/02/2008 | 2118705 | 08725433.0 |        |
| 2119234 | Invidi Technologies Corporation           | 01/02/2008 | 2119234 | 08728852.8 |        |
| 2127847 | PASCAL ENGINEERING<br>CORPORATION         | 26/06/2007 | 2127847 | 07790215.3 |        |
| 2131480 | Hamilton Sundstrand Corporation           | 03/06/2009 | 2131480 | 09251480.1 |        |
| 2133647 | Rheinmetall Defence Electronics GmbH      | 02/06/2009 | 2133647 | 09007295.0 | German |
| 2135162 | GVBB Holdings S.A.R.L                     | 01/04/2008 | 2135162 | 08742449.5 |        |
| 2135261 | Lapp Engineering & Co.                    | 03/04/2008 | 2135261 | 08734982.5 | German |
| 2142582 | Dow Global Technologies LLC               | 21/02/2008 | 2142582 | 08730334.3 |        |
| 2145279 | InterDigital CE Patent Holdings           | 06/05/2008 | 2145279 | 08750079.9 |        |
| 2146624 | Abbott Diabetes Care Inc.                 | 14/04/2008 | 2146624 | 08745807.1 |        |
| 2149110 | Araicom Research, LLC                     | 21/04/2008 | 2149110 | 08746411.1 |        |
| 2156290 | Cisco Technology, Inc.                    | 29/04/2008 | 2156290 | 08743372.8 |        |
| 2158035 | Süd-Chemie IP GmbH & Co. KG               | 30/05/2008 | 2158035 | 08758905.7 | German |
| 2158546 | Amazon Technologies, Inc.                 | 28/05/2008 | 2158546 | 08756381.3 |        |
| 2166762 | Alcatel Lucent                            | 04/02/2008 | 2166762 | 08706481.2 |        |
| 2169693 | Hitachi Metals, Ltd.                      | 23/06/2008 | 2169693 | 08790565.9 |        |
| 2171723 | Passport Systems, Inc.                    | 13/06/2008 | 2171723 | 08830535.4 |        |
| 2172196 | Kaneka Corporation                        | 20/06/2008 | 2172196 | 08765784.7 |        |
| 2179518 | QUALCOMM Incorporated                     | 15/08/2008 | 2179518 | 08798037.1 |        |
| 2181485 | Lapp Engineering & Co.                    | 14/07/2008 | 2181485 | 08786146.4 | German |
| 2192855 | Covidien LP                               | 09/07/2008 | 2192855 | 08860538.1 |        |
| 2194589 | SEOUL SEMICONDUCTOR CO.,<br>LTD.          | 21/01/2009 | 2194589 | 09000789.9 |        |



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| 2197172      | Combined Conditional Access Development and Support, LLC           | 30/11/2009                                                    | 2197172 | 09177555.1 |        |
| 2203403      | Dow Global Technologies LLC                                        | 22/09/2008                                                    | 2203403 | 08834129.2 |        |
| 2203895      | AQ Media, INC.                                                     | 26/09/2008                                                    | 2203895 | 08833429.7 |        |
| 2204778      | Embraer S.A.                                                       | 23/12/2009                                                    | 2204778 | 09015982.3 |        |
| 2211437      | Mitsubishi Electric Corporation                                    | 19/06/2009                                                    | 2211437 | 09008096.1 |        |
| 2211797      | Medivance Incorporated                                             | 13/10/2008                                                    | 2211797 | 08838541.4 |        |
| 2211997      | Avon Protection Systems, Inc.                                      | 20/11/2008                                                    | 2211997 | 08852286.7 |        |
| 2213372      | Nissan Motor Co., Ltd.                                             | 07/11/2008                                                    | 2213372 | 08846710.5 |        |
| 2217896      | Centre National d'Etudes Spatiales                                 | 05/11/2008                                                    | 2217896 | 08851352.8 | French |
| 2220588      | Robert Bosch GmbH                                                  | 13/10/2008                                                    | 2220588 | 08857464.5 | German |
| 2222233      | Ethicon LLC                                                        | 19/12/2008                                                    | 2222233 | 08866535.1 |        |
| 2228202      | Johnson & Johnson Vision Care Inc.                                 | 21/08/2008                                                    | 2228202 | 10075248.4 |        |
| 2230011      | Sulzer Management AG                                               | 23/04/2009                                                    | 2230011 | 09158651.1 | German |
| 2230313      | Institute for Environmental Health, Inc.                           | 08/08/2005                                                    | 2230313 | 10161897.3 |        |
| 2232164      | Johnson Controls Technology Company                                | 30/12/2008                                                    | 2232164 | 08869317.1 |        |
| 2237688      | The LYCRA Company UK Limited                                       | 15/01/2009                                                    | 2237688 | 09702065.5 |        |
| 2241411      | Etablissements Georges Renault                                     | 13/04/2010                                                    | 2241411 | 10159830.8 | French |
| 2242634      | Sika Technology AG                                                 | 16/01/2009                                                    | 2242634 | 09702098.6 |        |
| 2248067      | Bilcare Technologies Singapore Pte. Ltd.                           | 19/02/2009                                                    | 2248067 | 09713482.9 |        |
| 2250215      | Dow Silicones Corporation                                          | 03/02/2009                                                    | 2250215 | 09716676.3 |        |
| 2250856      | Nokia Solutions and Networks Oy                                    | 06/02/2008                                                    | 2250856 | 08707572.7 |        |
| 2250965      | GE Medical Systems Global Technology Company LLC                   | 30/04/2010                                                    | 2250965 | 10161544.1 |        |
| 2254091      | Veoneer Sweden AB                                                  | 19/05/2009                                                    | 2254091 | 09006736.4 |        |
| 2257295      | Ondine International Ltd.                                          | 07/10/2008                                                    | 2257295 | 08837807.0 |        |
| 2260881      | Boston Scientific Limited                                          | 10/10/2003                                                    | 2260881 | 10178762.0 |        |
| 2261653      | Nippon Steel Corporation                                           | 27/03/2009                                                    | 2261653 | 09726622.5 |        |
| 2262334      | Sharp Kabushiki Kaisha                                             | 30/03/2009                                                    | 2262334 | 09727800.6 |        |
| 2267242      | ALTRAD plettac assco GmbH                                          | 28/05/2010                                                    | 2267242 | 10005547.4 | German |
| 2269760      | Soudronic AG                                                       | 16/06/2010                                                    | 2269760 | 10006228.0 | German |
| 2272508      | Vectura Limited                                                    | 17/04/2001                                                    | 2272508 | 10185445.3 |        |
| 2274458      | The Trustees of Princeton University Universal Display Corporation | 05/05/2009                                                    | 2274458 | 09749221.9 |        |
| 2274922      | Orange                                                             | 03/04/2009                                                    | 2274922 | 09728736.1 |        |
| 2279276      | Outokumpu Oyj                                                      | 14/05/2009                                                    | 2279276 | 09745895.4 |        |

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| 2288707 | FUJIFILM Diosynth Biotechnologies<br>UK Limited   | 01/06/2009 | 2288707 | 09757754.8 |        |
| 2289454 | Intuitive Surgical Operations, Inc.               | 05/06/2006 | 2289454 | 11150209.2 |        |
| 2294378 | Eltek S.p.A.                                      | 17/06/2009 | 2294378 | 09766274.6 |        |
| 2297649 | Disney Enterprises, Inc.                          | 08/06/2009 | 2297649 | 09763365.5 |        |
| 2298761 | Janssen Pharmaceutica NV                          | 09/08/2002 | 2298761 | 10178189.6 |        |
| 2300369 | Nouryon Chemicals International B.V.              | 10/07/2009 | 2300369 | 09780405.8 |        |
| 2302255 | MAN Truck & Bus SE                                | 14/07/2010 | 2302255 | 10007259.4 | German |
| 2302849 | GE Aviation Systems Limited                       | 23/09/2010 | 2302849 | 10179063.2 |        |
| 2304330 | Daniels, Gregory S.                               | 13/05/2009 | 2304330 | 09747505.7 |        |
| 2304565 | Oracle America, Inc.                              | 29/06/2009 | 2304565 | 09774210.0 |        |
| 2307114 | Dow Technology Investments LLC                    | 24/07/2009 | 2307114 | 09789005.7 |        |
| 2308107 | Lumileds Holding B.V.                             | 15/07/2009 | 2308107 | 09786606.5 |        |
| 2308218 | Nokia Solutions and Networks Oy                   | 29/07/2009 | 2308218 | 09802520.8 |        |
| 2309441 | Orange                                            | 30/09/2010 | 2309441 | 10306060.4 |        |
| 2309876 | Société des Produits Nestlé S.A.                  | 19/06/2009 | 2309876 | 09793909.4 |        |
| 2313709 | Modine Manufacturing Company                      | 19/11/2008 | 2313709 | 08874426.3 |        |
| 2321792 | Pictometry International Corp.                    | 05/08/2009 | 2321792 | 09805478.6 |        |
| 2325347 | United Technologies Corporation                   | 19/11/2010 | 2325347 | 10251963.4 |        |
| 2326795 | Geco Technology B.V.                              | 04/08/2009 | 2326795 | 09808588.9 |        |
| 2328501 | KUKA Deutschland GmbH                             | 19/08/2009 | 2328501 | 09777975.5 | German |
| 2328503 | O&M Halyard International Unlimited<br>Company    | 27/08/2009 | 2328503 | 09809418.8 |        |
| 2330768 | Qualcomm Incorporated                             | 27/03/2009 | 2330768 | 11159602.9 |        |
| 2331618 | Compagnie Générale des<br>Etablissements Michelin | 18/09/2009 | 2331618 | 09783202.6 | French |
| 2331954 | Life Technologies Corporation                     | 27/08/2009 | 2331954 | 09810616.4 |        |
| 2332191 | Lockheed Martin Corporation                       | 28/09/2009 | 2332191 | 09818337.9 |        |
| 2334410 | Ecolab USA Inc.                                   | 06/10/2009 | 2334410 | 09818869.1 |        |
| 2335453 | General Electric Company                          | 12/08/2009 | 2335453 | 09791416.2 |        |
| 2335662 | Mondi AG                                          | 19/12/2009 | 2335662 | 09015760.3 | German |
| 2337715 | Robert Bosch GmbH                                 | 25/08/2009 | 2337715 | 09782171.4 | German |
| 2338426 | Olympus Corporation                               | 23/10/2009 | 2338426 | 09822092.4 |        |
| 2338561 | BIOTRONIK SE & Co. KG                             | 29/11/2010 | 2338561 | 10192883.6 | German |
| 2339284 | Zehnder Group International AG                    | 24/12/2009 | 2339284 | 09016077.1 | German |
| 2340663 | Vodafone Group PLC                                | 23/07/2009 | 2340663 | 09785388.1 |        |
| 2341320 | Hamilton Sundstrand Corporation                   | 16/12/2010 | 2341320 | 10252130.9 |        |

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| 2343605      | Hewlett-Packard Development Company, L.P.                                                             | 21/12/2010                                                    | 2343605 | 10196335.3 |        |
| 2343797      | Ebm-Papst St. Georgen GmbH & CO. KG                                                                   | 28/12/2010                                                    | 2343797 | 10016125.6 | German |
| 2347863      | Société de Prospection et d'Inventions Techniques -SPIT                                               | 24/01/2011                                                    | 2347863 | 11151914.6 |        |
| 2348243      | TLV Co., Ltd.                                                                                         | 02/08/2010                                                    | 2348243 | 10171604.1 |        |
| 2348982      | St. Jude Medical International Holding S.à r.l.<br>St. Jude MedicalAtrial Fibrillation Division, Inc. | 03/12/2009                                                    | 2348982 | 09831148.3 |        |
| 2349019      | Ancora Heart, Inc.                                                                                    | 09/10/2009                                                    | 2349019 | 09819970.6 |        |
| 2358664      | Evonik Operations GmbH                                                                                | 19/11/2009                                                    | 2358664 | 09756729.1 | German |
| 2359202      | KUKA Deutschland GmbH                                                                                 | 02/11/2009                                                    | 2359202 | 09751801.3 | German |
| 2361112      | ASP Global Manufacturing GmbH                                                                         | 05/10/2009                                                    | 2361112 | 09737265.0 |        |
| 2362136      | GREEN Société à Responsabilité Limitée                                                                | 24/01/2011                                                    | 2362136 | 11370003.3 | French |
| 2362254      | SANWA DENKI KOGYO CO., LTD.                                                                           | 09/02/2011                                                    | 2362254 | 11250145.7 |        |
| 2363203      | Mitsubishi Chemical Corporation                                                                       | 09/10/2009                                                    | 2363203 | 09828939.0 |        |
| 2363807      | Xilinx, Inc.                                                                                          | 20/09/2006                                                    | 2363807 | 10183537.9 |        |
| 2363830      | Daon Holdings Limited                                                                                 | 23/02/2011                                                    | 2363830 | 11155716.1 |        |
| 2370488      | ELKEM SILICONES France SAS                                                                            | 12/10/2009                                                    | 2370488 | 09736847.6 | French |
| 2372956      | Korea Electronics Technology Institute                                                                | 26/05/2009                                                    | 2372956 | 09835140.6 |        |
| 2378505      | Furukawa Electric Co., Ltd.                                                                           | 09/12/2009                                                    | 2378505 | 09831919.7 |        |
| 2381493      | LG Innotek Co., Ltd.                                                                                  | 22/04/2011                                                    | 2381493 | 11163599.1 |        |
| 2382492      | 3M Innovative Properties Company                                                                      | 29/12/2009                                                    | 2382492 | 09837096.8 |        |
| 2385347      | Thales                                                                                                | 05/05/2011                                                    | 2385347 | 11164978.6 | French |
| 2385801      | Healicoil, Inc.                                                                                       | 20/11/2009                                                    | 2385801 | 09761114.9 |        |
| 2387064      | Agilent Technologies, Inc.                                                                            | 03/05/2011                                                    | 2387064 | 11164605.5 |        |
| 2387290      | Valeo Vision                                                                                          | 09/05/2011                                                    | 2387290 | 11165302.8 | French |
| 2390682      | General Electric Company                                                                              | 03/05/2011                                                    | 2390682 | 11164600.6 |        |
| 2391521      | Brusa Elektronik AG                                                                                   | 26/01/2010                                                    | 2391521 | 10703689.9 |        |
| 2394364      | QUALCOMM Incorporated                                                                                 | 03/02/2010                                                    | 2394364 | 10704637.7 |        |
| 2396972      | Sennheiser electronic GmbH & Co. KG                                                                   | 11/02/2010                                                    | 2396972 | 10703473.8 | German |
| 2399361      | Alcatel Lucent                                                                                        | 10/02/2010                                                    | 2399361 | 10747091.6 |        |
| 2400892      | Beckman Coulter, Inc.                                                                                 | 26/02/2010                                                    | 2400892 | 10746895.1 |        |
| 2401308      | Basell Polyolefine GmbH                                                                               | 15/02/2010                                                    | 2401308 | 10704142.8 |        |

|         |                                         |            |         |            |        |
|---------|-----------------------------------------|------------|---------|------------|--------|
| 2404548 | Polar Electro Oy                        | 01/07/2011 | 2404548 | 11172320.1 |        |
| 2404779 | ABB Schweiz AG                          | 06/07/2010 | 2404779 | 10168539.4 |        |
| 2416602 | NEC Corporation                         | 08/02/2010 | 2416602 | 10758165.4 |        |
| 2417901 | IDMED                                   | 10/08/2011 | 2417901 | 11358007.0 | French |
| 2419682 | Werner Extrusion Solutions Llc          | 10/04/2010 | 2419682 | 10764759.6 |        |
| 2419862 | The Trustees of Boston University       | 14/04/2010 | 2419862 | 10765101.0 |        |
| 2421444 | Medtronic, Inc                          | 14/04/2010 | 2421444 | 10714785.2 |        |
| 2421480 | Balton Sp. z o.o.                       | 04/02/2010 | 2421480 | 10707982.4 |        |
| 2421574 | Fresenius Medical Care Deutschland GmbH | 14/04/2010 | 2421574 | 10714197.0 | German |
| 2422623 | RHEON AUTOMATIC MACHINERY CO., LTD.     | 25/08/2011 | 2422623 | 11250740.5 |        |
| 2424141 | FUJITSU LIMITED                         | 31/05/2011 | 2424141 | 11168205.0 |        |
| 2424699 | Iscar Ltd.                              | 28/03/2010 | 2424699 | 10720825.8 |        |
| 2429844 | The Procter & Gamble Company            | 12/05/2010 | 2429844 | 10720082.6 |        |
| 2432997 | LM Wind Power A/S                       | 18/05/2010 | 2432997 | 10723013.8 |        |
| 2433371 | Samsung Electronics Co., Ltd.           | 19/05/2010 | 2433371 | 10777935.7 |        |
| 2436952 | Hamilton Sundstrand Corporation         | 31/08/2011 | 2436952 | 11179651.2 |        |
| 2437073 | Hittite Microwave LLC                   | 14/09/2011 | 2437073 | 11181290.5 |        |
| 2437706 | The Procter & Gamble Company            | 02/06/2010 | 2437706 | 10727577.8 |        |
| 2440496 | SAUR                                    | 09/06/2010 | 2440496 | 10725094.6 | French |
| 2440866 | LG Electronics Inc.                     | 14/04/2010 | 2440866 | 10786292.2 |        |
| 2444447 | Evonik Operations GmbH                  | 27/09/2011 | 2444447 | 11182859.6 | German |
| 2444940 | Thomson Licensing                       | 17/10/2011 | 2444940 | 11185404.8 |        |
| 2446856 | Novus Scientific AB                     | 24/10/2011 | 2446856 | 11186286.8 |        |
| 2447565 | TBK Co., Ltd.                           | 25/06/2009 | 2447565 | 09846519.8 |        |
| 2448266 | Huawei Technologies Co., Ltd.           | 02/06/2010 | 2448266 | 10791425.1 |        |
| 2449550 | Nokia Technologies Oy                   | 30/06/2010 | 2449550 | 10793691.6 |        |
| 2449997 | KUKA Deutschland GmbH                   | 03/11/2011 | 2449997 | 11187650.4 | German |
| 2450569 | General Electric Company                | 08/11/2011 | 2450569 | 11188294.0 |        |
| 2452287 | F-Secure Corporation                    | 07/07/2010 | 2452287 | 10728711.2 |        |
| 2454834 | Qualcomm Incorporated                   | 16/07/2010 | 2454834 | 10735401.1 |        |
| 2456431 | Crearene AG                             | 21/07/2010 | 2456431 | 10744868.0 |        |
| 2459070 | Dental Imaging Technologies Corporation | 30/07/2010 | 2459070 | 10805117.8 |        |
| 2462390 | Cline, William A.                       | 04/08/2010 | 2462390 | 10834073.8 |        |
| 2462433 | The Boeing Company                      | 02/07/2010 | 2462433 | 10743273.4 |        |

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|----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------|------------|--------|
| 2462890                                                                    | Olympus Corporation                                                                                                                               | 30/06/2010 | 2462890 | 10806305.8 |        |
| 2464189                                                                    | Sharp Kabushiki Kaisha                                                                                                                            | 30/07/2010 | 2464189 | 10806402.3 |        |
| 2464725                                                                    | F. Hoffmann-La Roche AG                                                                                                                           | 06/08/2010 | 2464725 | 10745064.5 |        |
| 2466994                                                                    | Dolby Laboratories Licensing Corporation                                                                                                          | 14/12/2011 | 2466994 | 11193620.9 |        |
| 2471057                                                                    | Philips Lighting Holding B.V.                                                                                                                     | 07/07/2010 | 2471057 | 10800332.8 |        |
| 2471128                                                                    | Sion Power Corporation                                                                                                                            | 24/08/2010 | 2471128 | 10814062.5 |        |
| 2471291                                                                    | Deutsche Telekom AG                                                                                                                               | 20/08/2010 | 2471291 | 10749605.1 |        |
| 2472018                                                                    | Normalu                                                                                                                                           | 29/12/2011 | 2472018 | 11195991.2 | French |
| 2472265                                                                    | Sakura Finetek U.S.A., Inc.                                                                                                                       | 22/09/2011 | 2472265 | 11182302.7 |        |
| 2473043                                                                    | Townsend, Stacy<br>Synedgen, Inc.<br>Baker, Shena D.<br>Wiesmann, William P.                                                                      | 02/09/2010 | 2473043 | 10814537.6 |        |
| 2475084                                                                    | Japan Aerospace Exploration Agency<br>Japan Capacitor Industrial Co., Ltd.                                                                        | 12/08/2010 | 2475084 | 10813611.0 |        |
| 2475100                                                                    | Conversant Intellectual Property Management Inc.                                                                                                  | 15/02/2008 | 2475100 | 12163402.6 |        |
| 2476311                                                                    | Forest Research and Management Organization<br>The University of Electro-Communications<br>National University Corporation<br>Hokkaido University | 08/09/2010 | 2476311 | 10815378.4 |        |
| 2477155                                                                    | Fujitsu Limited                                                                                                                                   | 11/09/2009 | 2477155 | 09849220.0 |        |
| 2477317                                                                    | Kawasaki Jukogyo Kabushiki Kaisha                                                                                                                 | 10/09/2010 | 2477317 | 10815468.3 |        |
| 2478556                                                                    | Lisa Dräxlmaier GmbH                                                                                                                              | 15/09/2010 | 2478556 | 10757060.8 | German |
| 2478663                                                                    | Veritas Technologies LLC                                                                                                                          | 15/09/2010 | 2478663 | 10817794.0 |        |
| 2479041                                                                    | INDUSTRIAS SAMAR'T, S.A.                                                                                                                          | 24/01/2012 | 2479041 | 12382022.7 |        |
| 2480902                                                                    | Oewaves, Inc.                                                                                                                                     | 23/09/2010 | 2480902 | 10819495.2 |        |
| 2480947                                                                    | Microchip Technology Incorporated                                                                                                                 | 09/08/2010 | 2480947 | 10745504.0 |        |
| 2481201                                                                    | Wireless Glue - Synaptica, Inc.                                                                                                                   | 23/09/2010 | 2481201 | 10819472.1 |        |
| 2482760                                                                    | National ICT Australia Limited                                                                                                                    | 30/09/2010 | 2482760 | 10819750.0 |        |
| 2484473                                                                    | wolfcraft GmbH                                                                                                                                    | 01/02/2012 | 2484473 | 12153404.4 | German |
| 2484992                                                                    | Carrier Corporation                                                                                                                               | 21/09/2010 | 2484992 | 10819944.9 |        |
| 2485089                                                                    | NEC Corporation                                                                                                                                   | 10/09/2010 | 2485089 | 10818701.4 |        |
| 2485554                                                                    | BlackBerry Limited                                                                                                                                | 14/05/2010 | 2485554 | 12166872.7 |        |

|         |                                                                                                    |            |         |            |        |
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| 2486051 | Ferring B.V.                                                                                       | 04/10/2010 | 2486051 | 10763000.6 |        |
| 2489172 | Huawei Technologies Co., Ltd.                                                                      | 27/05/2011 | 2489172 | 11738508.8 |        |
| 2490444 | DISH Technologies L.L.C.                                                                           | 15/02/2011 | 2490444 | 11154517.4 |        |
| 2490734 | Medicom Innovation Partner a/s                                                                     | 25/10/2010 | 2490734 | 10768261.9 |        |
| 2491461 | Canon Kabushiki Kaisha                                                                             | 18/10/2010 | 2491461 | 10825068.9 |        |
| 2491575 | Headway Technologies, Inc.                                                                         | 20/10/2010 | 2491575 | 10825330.3 |        |
| 2491604 | Robert Bosch GmbH                                                                                  | 08/10/2010 | 2491604 | 10768446.6 | German |
| 2496081 | Ariagen, Inc.                                                                                      | 14/10/2010 | 2496081 | 10827321.0 |        |
| 2496375 | MiTek Holdings, Inc.                                                                               | 05/11/2010 | 2496375 | 10827759.1 |        |
| 2499844 | Adfore Technologies OY                                                                             | 09/11/2010 | 2499844 | 10829574.2 |        |
| 2504420 | SEAB POWER LTD                                                                                     | 12/04/2011 | 2504420 | 11748711.6 |        |
| 2507445 | Moore, Philip                                                                                      | 30/11/2010 | 2507445 | 10788120.3 |        |
| 2507590 | Safran Electronics & Defense                                                                       | 25/11/2010 | 2507590 | 10787289.7 | French |
| 2507844 | SunPower Corporation                                                                               | 01/10/2010 | 2507844 | 10834898.8 |        |
| 2509657 | Osprey Medical Inc.                                                                                | 08/12/2010 | 2509657 | 10803177.4 |        |
| 2513639 | R+I Alliance                                                                                       | 16/12/2010 | 2513639 | 10810943.0 | French |
| 2513820 | Nokia Technologies Oy                                                                              | 18/12/2009 | 2513820 | 09852192.5 |        |
| 2513869 | Visual Components OYJ                                                                              | 15/12/2010 | 2513869 | 10837108.9 |        |
| 2514377 | Ethicon LLC                                                                                        | 31/07/2008 | 2514377 | 12177330.3 |        |
| 2516476 | Trinseo Europe GmbH                                                                                | 16/12/2010 | 2516476 | 10840003.7 |        |
| 2517067 | Essilor International                                                                              | 13/12/2010 | 2517067 | 10793215.4 |        |
| 2517648 | Ethicon LLC                                                                                        | 30/04/2012 | 2517648 | 12166191.2 |        |
| 2519751 | BALLUFF GmbH                                                                                       | 22/12/2010 | 2519751 | 10796073.4 | German |
| 2520065 | Skype                                                                                              | 02/02/2011 | 2520065 | 11704949.4 |        |
| 2521250 | L'AIR LIQUIDE, SOCIETE<br>ANONYME POUR L'ETUDE ET<br>L'EXPLOITATION DES PROCEDES<br>GEORGES CLAUDE | 20/04/2012 | 2521250 | 12164882.8 | French |
| 2521832 | Black & Decker, Inc.                                                                               | 07/01/2011 | 2521832 | 11732201.6 |        |
| 2522025 | Phlox                                                                                              | 04/01/2011 | 2522025 | 11705002.1 | French |
| 2523314 | Hamilton Sundstrand Corporation                                                                    | 30/04/2012 | 2523314 | 12166243.1 |        |
| 2523479 | Alcatel Lucent                                                                                     | 04/01/2010 | 2523479 | 10840318.9 |        |
| 2524452 | BlackBerry Limited                                                                                 | 07/01/2011 | 2524452 | 11732197.6 |        |
| 2525329 | Wincor Nixdorf International GmbH                                                                  | 18/05/2012 | 2525329 | 12168472.4 | German |
| 2525718 | Aristotech Holding GmbH                                                                            | 22/11/2010 | 2525718 | 10794910.9 | German |
| 2526577 | Universal Display Corporation                                                                      | 09/11/2010 | 2526577 | 10778807.7 |        |
| 2528330 | Aisin Seiki Kabushiki Kaisha                                                                       | 21/12/2010 | 2528330 | 10843976.1 |        |

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|---------|-----------------------------------------------------------------|------------|---------|------------|--------|
| 2528828 | Bosch Packaging Technology, Inc.<br>Robert Bosch GmbH           | 26/01/2011 | 2528828 | 11702362.2 |        |
| 2530826 | ROBERT BOSCH GMBH                                               | 10/05/2012 | 2530826 | 12167452.7 | German |
| 2531670 | Phaanix Pty Ltd                                                 | 04/02/2011 | 2531670 | 11739280.3 |        |
| 2532760 | ATOTECH Deutschland GmbH                                        | 06/06/2011 | 2532760 | 11168798.4 |        |
| 2532827 | Nov Downhole Eurasia Limited                                    | 09/04/2010 | 2532827 | 12170333.4 |        |
| 2532867 | Nissan Motor Co., Ltd.                                          | 31/05/2012 | 2532867 | 12170322.7 |        |
| 2533365 | Furukawa Electric Co., Ltd.<br>Furukawa Automotive Systems Inc. | 04/02/2011 | 2533365 | 11739875.0 |        |
| 2533678 | Intuitive Surgical Operations, Inc.                             | 26/01/2011 | 2533678 | 11706052.5 |        |
| 2534712 | The University of Hong Kong                                     | 31/01/2011 | 2534712 | 11741819.4 |        |
| 2535960 | Universal Display Corporation                                   | 15/06/2012 | 2535960 | 12172237.5 |        |
| 2538102 | NSK Ltd.                                                        | 01/02/2011 | 2538102 | 11702911.6 |        |
| 2539792 | Apple Inc.                                                      | 07/06/2011 | 2539792 | 11733723.8 |        |
| 2540382 | NGK Insulators, Ltd.                                            | 25/02/2011 | 2540382 | 11747523.6 |        |
| 2543440 | Alere Technologies GmbH                                         | 05/05/2008 | 2543440 | 12169728.8 |        |
| 2544592 | Mobius Imaging, LLC                                             | 11/02/2011 | 2544592 | 11753760.5 |        |
| 2546407 | WireMasters GmbH & Co. KG                                       | 09/07/2012 | 2546407 | 12401142.0 | German |
| 2546644 | Thermo Finnigan LLC                                             | 06/07/2012 | 2546644 | 12175295.0 |        |
| 2548261 | THALES                                                          | 11/02/2011 | 2548261 | 11702668.2 | French |
| 2548303 | Dolby Laboratories Licensing<br>Corporation                     | 15/03/2011 | 2548303 | 11709610.7 |        |
| 2549616 | ABB Schweiz AG                                                  | 22/07/2011 | 2549616 | 11175099.8 |        |
| 2550441 | Deere & Company                                                 | 21/03/2011 | 2550441 | 11709938.2 | German |
| 2551611 | Mitsubishi Electric Corporation                                 | 25/03/2010 | 2551611 | 10848317.3 |        |
| 2559396 | Intuitive Surgical Operations, Inc.                             | 26/09/2006 | 2559396 | 12192481.5 |        |
| 2559540 | IHI Corporation<br>IHI Logistics & Machinery Corporation        | 07/04/2011 | 2559540 | 11768780.6 |        |
| 2560358 | Sony Interactive Entertainment Inc.                             | 17/02/2011 | 2560358 | 11768572.7 |        |
| 2561573 | Liox Power, Inc.                                                | 25/04/2011 | 2561573 | 11772854.3 |        |
| 2565669 | Swarovski-Optik KG.                                             | 28/08/2012 | 2565669 | 12181956.9 | German |
| 2566523 | Greenzapr, Inc.                                                 | 19/04/2011 | 2566523 | 11777828.2 |        |
| 2569225 | Datwyler Pharma Packaging<br>International NV.                  | 06/05/2011 | 2569225 | 11722753.8 | German |
| 2569452 | Life Technologies Corporation                                   | 13/05/2011 | 2569452 | 11781377.4 |        |
| 2570207 | United Technologies Corporation                                 | 14/09/2012 | 2570207 | 12184534.1 |        |

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| 2571049 | TDK Corporation                        | 09/05/2011 | 2571049 | 11780575.4 |
|         | Noritake Co., Limited                  |            |         |            |
| 2571441 | Cook Medical Technologies LLC          | 20/05/2011 | 2571441 | 11722697.7 |
| 2572951 | TOYOTA JIDOSHA KABUSHIKI               | 16/05/2011 | 2572951 | 11783480.4 |
|         | KAISHA                                 |            |         |            |
|         | DENSO CORPORATION                      |            |         |            |
| 2573032 | Mitsubishi Electric Corporation        | 18/05/2010 | 2573032 | 10851734.3 |
| 2575250 | Fuji Electric Co. Ltd.                 | 25/08/2011 | 2575250 | 11819998.3 |
| 2575477 | Stockton (Israel) Ltd.                 | 05/05/2011 | 2575477 | 11778326.6 |
| 2576902 | Kemira Oyj                             | 24/05/2011 | 2576902 | 11725366.6 |
| 2576915 | Murtech Inc.                           | 01/06/2011 | 2576915 | 11724907.8 |
| 2578310 | Kao Corporation                        | 03/06/2011 | 2578310 | 11792361.5 |
| 2578824 | Isuzu Motors, Ltd.                     | 16/05/2011 | 2578824 | 11786512.1 |
| 2579667 | China Academy of Telecommunications    | 13/05/2011 | 2579667 | 11786035.3 |
|         | Technology                             |            |         |            |
| 2581724 | Moventas Gears Oy                      | 13/10/2011 | 2581724 | 11185001.2 |
| 2584701 | Fuji Electric Co., Ltd.                | 12/09/2012 | 2584701 | 12184061.5 |
| 2586817 | Dexerials Corporation                  | 17/06/2011 | 2586817 | 11800642.8 |
| 2586969 | United Technologies Corporation        | 26/10/2012 | 2586969 | 12190261.3 |
| 2586977 | General Electric Company               | 24/10/2012 | 2586977 | 12189836.5 |
| 2587058 | Hitachi Construction Machinery Co.,    | 14/06/2011 | 2587058 | 11798014.4 |
|         | Ltd.                                   |            |         |            |
| 2587069 | Edwards Japan Limited                  | 20/05/2011 | 2587069 | 11797957.5 |
| 2587525 | Fuji Electric Co., Ltd.                | 20/09/2011 | 2587525 | 11826848.1 |
| 2589886 | Mitsubishi Electric Corporation        | 29/06/2010 | 2589886 | 10854036.0 |
| 2592537 | Samsung Electronics Co., Ltd.          | 09/11/2012 | 2592537 | 12192116.7 |
| 2592631 | Leviton Manufacturing Co., Inc.        | 28/03/2006 | 2592631 | 13000660.4 |
| 2593210 | Redeem CCS Pty Ltd                     | 15/07/2011 | 2593210 | 11806146.4 |
| 2595469 | Blasters Technologies, LLC             | 25/07/2011 | 2595469 | 11810509.7 |
| 2596880 | Nakahara Co., Ltd.                     | 21/07/2011 | 2596880 | 11812357.9 |
| 2598777 | MIDÉ Technology Corporation            | 21/07/2011 | 2598777 | 11812862.8 |
| 2599582 | Hamamatsu Photonics K.K.               | 19/07/2011 | 2599582 | 11812314.0 |
| 2601324 | L'Air Liquide Société Anonyme pour     | 28/07/2011 | 2601324 | 11741556.2 |
|         | l'Etude et l'Exploitation des Procédés |            |         |            |
|         | Georges Claude                         |            |         |            |
| 2601596 | Google LLC                             | 02/08/2011 | 2601596 | 11815183.6 |
| 2601676 | Brewer Science, Inc.                   | 05/08/2011 | 2601676 | 11836791.1 |

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| 2602904                                                                    | Envision AESC Energy Devices Ltd.                | 30/05/2011        | 2602904 | 11814358.5 |
| 2603778                                                                    | Micro Motion, Inc.                               | 09/08/2011        | 2603778 | 11758589.3 |
| 2605706                                                                    | Rovers Holding B.V.                              | 17/08/2010        | 2605706 | 10747325.8 |
| 2607401                                                                    | Johns Manville                                   | 20/12/2012        | 2607401 | 12008481.9 |
| 2608508                                                                    | Orange                                           | 19/12/2012        | 2608508 | 12198008.0 |
| 2609572                                                                    | Koninklijke Philips N.V.                         | 17/08/2011        | 2609572 | 11754929.5 |
| 2609746                                                                    | Dolby Laboratories Licensing Corporation         | 23/08/2011        | 2609746 | 11749702.4 |
| 2611291                                                                    | Perfusion Fluid Technologies, Inc.               | 01/09/2011        | 2611291 | 11820919.6 |
| 2612034                                                                    | General Electric Company                         | 01/07/2011        | 2612034 | 11730167.1 |
| 2615415                                                                    | Kabushiki Kaisha Topcon                          | 09/01/2013        | 2615415 | 13150688.3 |
| 2616768                                                                    | Ricoh Company Ltd.                               | 25/08/2011        | 2616768 | 11824989.5 |
| 2617496                                                                    | S.C. Johnson & Son, Inc.                         | 17/06/2010        | 2617496 | 13163765.4 |
| 2617756                                                                    | United Technologies Corporation                  | 17/01/2013        | 2617756 | 13151746.8 |
| 2618669                                                                    | AMF Automation Technologies LLC Emissshield Inc. | 23/09/2011        | 2618669 | 11827635.1 |
| 2618806                                                                    | Ecolab USA Inc.                                  | 22/09/2011        | 2618806 | 11826498.5 |
| 2619411                                                                    | Owen Oil Tools LP                                | 22/09/2011        | 2619411 | 11827539.5 |
| 2621881                                                                    | Celanese International Corporation               | 27/09/2011        | 2621881 | 11768232.8 |
| 2622226                                                                    | Valeo Systemes Thermiques                        | 28/07/2011        | 2622226 | 11749125.8 |
| 2622227                                                                    | Valeo Systemes Thermiques                        | 28/07/2011        | 2622227 | 11749126.6 |
| 2623573                                                                    | Brewer Science, Inc.                             | 22/10/2009        | 2623573 | 13159034.1 |
| 2623887                                                                    | Mitsubishi Electric Corporation                  | 30/09/2010        | 2623887 | 10857790.9 |
| 2623933                                                                    | TeleNav, Inc.                                    | 04/02/2013        | 2623933 | 13153857.1 |
| 2624105                                                                    | Logitech Europe S.A.                             | 01/02/2013        | 2624105 | 13000519.2 |
| 2628016                                                                    | Koninklijke Philips N.V.                         | 12/10/2011        | 2628016 | 11776567.7 |
| 2628028                                                                    | Schlumberger Technology B.V.                     | 16/11/2011        | 2628028 | 11840843.4 |
| 2629199                                                                    | Konica Minolta Business Technologies, Inc.       | 01/02/2013        | 2629199 | 13153636.9 |
| 2632327                                                                    | Fibrux Oy                                        | 28/10/2011        | 2632327 | 11835697.1 |
| 2632388                                                                    | Iridium Medical Technology Co., Ltd              | 27/10/2011        | 2632388 | 11837122.8 |
| 2633686                                                                    | Orange                                           | 18/10/2011        | 2633686 | 11785727.6 |
| 2634066                                                                    | Mitsubishi Electric Corporation                  | 23/02/2011        | 2634066 | 11835879.5 |
| 2636143                                                                    | Whirlpool Corporation                            | 02/11/2010        | 2636143 | 10859132.2 |
| 2636694                                                                    | OLEON NV                                         | 08/03/2013        | 2636694 | 13158480.7 |
| 2636907                                                                    | CLAAS Selbstfahrende Erntemaschinen GmbH         | 07/12/2012        | 2636907 | 12195998.5 |

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| 2637203 | Merck Patent GmbH                                                                                       | 02/11/2011 | 2637203 | 11838049.2 |        |
| 2638244 | Chevron U.S.A., Inc.                                                                                    | 11/11/2011 | 2638244 | 11806009.4 |        |
| 2639594 | Alps Alpine Co., Ltd.                                                                                   | 30/10/2012 | 2639594 | 12190556.6 |        |
| 2640227 | Julius Blum GmbH                                                                                        | 20/09/2011 | 2640227 | 11781989.6 | German |
| 2642497 | TOYOTA JIDOSHA KABUSHIKI<br>KAISHA<br>National University Corporation<br>Nagoya Institute of Technology | 17/11/2011 | 2642497 | 11842006.6 |        |
| 2643746 | Marquardt GmbH                                                                                          | 25/11/2011 | 2643746 | 11794639.2 | German |
| 2644690 | SYSMEX CORPORATION                                                                                      | 26/03/2013 | 2644690 | 13161058.6 |        |
| 2645381 | Toda Kogyo Corp.                                                                                        | 27/03/2013 | 2645381 | 13161404.2 |        |
| 2646149 | Johnson Matthey Public Limited<br>Company                                                               | 02/12/2011 | 2646149 | 11805281.0 |        |
| 2647811 | Mitsubishi Hitachi Power Systems, Ltd.                                                                  | 28/11/2011 | 2647811 | 11844679.8 |        |
| 2649037 | SABIC Global Technologies B.V.                                                                          | 22/02/2012 | 2649037 | 12708207.1 |        |
| 2650563 | NSK Ltd.                                                                                                | 03/02/2011 | 2650563 | 11702382.0 |        |
| 2651594 | Bystronic Laser AG                                                                                      | 28/11/2011 | 2651594 | 11799846.8 |        |
| 2652168 | Oerlikon Metco (US) Inc.                                                                                | 14/12/2011 | 2652168 | 11849545.6 |        |
| 2652900 | Orange                                                                                                  | 09/12/2011 | 2652900 | 11811060.0 | French |
| 2654566 | Trophy                                                                                                  | 21/12/2011 | 2654566 | 11851524.6 |        |
| 2656067 | Alco Systems Sweden AB                                                                                  | 20/12/2010 | 2656067 | 10861122.9 |        |
| 2656248 | Sybase, Inc.                                                                                            | 15/12/2011 | 2656248 | 11851359.7 |        |
| 2656308 | Samsung Electronics Co., Ltd.                                                                           | 19/12/2011 | 2656308 | 11851008.0 |        |
| 2657037 | Seiko Epson Corporation                                                                                 | 04/04/2013 | 2657037 | 13162309.2 |        |
| 2657173 | Mitsubishi Electric Corporation                                                                         | 24/12/2010 | 2657173 | 10861051.0 |        |
| 2659028 | Nouryon Chemicals International B.V.                                                                    | 23/12/2011 | 2659028 | 11804701.8 |        |
| 2660031 | Kawasaki Jukogyo Kabushiki Kaisha                                                                       | 26/12/2011 | 2660031 | 11853534.3 |        |
| 2663342 | ALLERGAN, INC.<br>Allergan Industrie, SAS                                                               | 13/01/2012 | 2663342 | 12703634.1 |        |
| 2663686 | BLMH TECHNOLOGIES INC.                                                                                  | 13/01/2011 | 2663686 | 11855567.1 |        |
| 2663974 | Antares Audio Technologies, LLC                                                                         | 10/01/2012 | 2663974 | 12734436.4 |        |
| 2664028 | Apple Inc.                                                                                              | 09/01/2012 | 2664028 | 12702640.9 |        |
| 2664316 | YUYAMA MFG. CO., LTD.                                                                                   | 12/01/2012 | 2664316 | 12734001.6 |        |
| 2664590 | Nippon Electric Glass Co., Ltd.                                                                         | 30/11/2011 | 2664590 | 11855688.5 |        |
| 2665502 | AktiVax, Inc.                                                                                           | 17/01/2012 | 2665502 | 12736613.6 |        |
| 2665803 | Pike Enterprises, LLC<br>Tucker, Nathan Robert                                                          | 23/01/2012 | 2665803 | 12736351.3 |        |

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|--------------|---------------------------------------------------------------------------------|---------------------------------------------------------------|---------|------------|--------|
| 2666212      | Coherent, Inc.                                                                  | 13/01/2012                                                    | 2666212 | 12702093.1 |        |
| 2666995      | TOYOTA JIDOSHA KABUSHIKI<br>KAISHA                                              | 21/01/2011                                                    | 2666995 | 11856601.7 |        |
| 2668497      | University of Pittsburgh - Of the<br>Commonwealth System of Higher<br>Education | 20/01/2012                                                    | 2668497 | 12739834.5 |        |
| 2668990      | NGK Insulators, Ltd.                                                            | 22/02/2013                                                    | 2668990 | 13744941.9 |        |
| 2669522      | Heishin Ltd.                                                                    | 25/01/2012                                                    | 2669522 | 12739616.6 |        |
| 2670174      | Samsung Electronics Co., Ltd.                                                   | 30/01/2012                                                    | 2670174 | 12738756.1 |        |
| 2670565      | Bennett Mahler Limited                                                          | 03/02/2012                                                    | 2670565 | 12705897.2 |        |
| 2671006      | Schlumberger Holdings Limited                                                   | 13/02/2012                                                    | 2671006 | 12746616.7 |        |
| 2671137      | InvenSense, Inc.                                                                | 03/02/2012                                                    | 2671137 | 12742462.0 |        |
| 2672832      | The Product Makers (Australia) Pty Ltd                                          | 08/02/2012                                                    | 2672832 | 12744261.4 |        |
| 2674686      | Mitsubishi Electric Corporation                                                 | 07/02/2011                                                    | 2674686 | 11858451.5 |        |
| 2674793      | Hamamatsu Photonics K.K.                                                        | 08/02/2012                                                    | 2674793 | 12744745.6 |        |
| 2674869      | Schneider Electric Industries SAS                                               | 14/06/2013                                                    | 2674869 | 13172089.8 | French |
| 2675062      | Makita Corporation                                                              | 19/01/2012                                                    | 2675062 | 12745210.0 |        |
| 2675440      | Merck Sharp & Dohme Corp.                                                       | 09/02/2012                                                    | 2675440 | 12746994.8 |        |
| 2675512      | ResMed Pty Ltd                                                                  | 15/02/2012                                                    | 2675512 | 12747629.9 |        |
| 2675951      | Newpage Corporation                                                             | 16/02/2012                                                    | 2675951 | 12707192.6 |        |
| 2676464      | Nokia Technologies Oy                                                           | 07/02/2012                                                    | 2676464 | 12747727.1 |        |
| 2677054      | Nippon Steel Corporation                                                        | 10/02/2012                                                    | 2677054 | 12746805.6 |        |
| 2677506      | Chen, Gun<br>Lin, Shu-Shian                                                     | 06/06/2013                                                    | 2677506 | 13170955.2 |        |
| 2677536      | Merck Patent GmbH                                                               | 16/02/2012                                                    | 2677536 | 12747252.0 |        |
| 2678762      | Microsoft Technology Licensing, LLC                                             | 16/02/2012                                                    | 2678762 | 12865398.7 |        |
| 2679760      | VKR Holding A/S                                                                 | 24/06/2013                                                    | 2679760 | 13173331.3 |        |
| 2680312      | NXP USA, Inc.                                                                   | 21/06/2013                                                    | 2680312 | 13173277.8 |        |
| 2680432      | BDT Media Automation GmbH                                                       | 21/06/2013                                                    | 2680432 | 13173271.1 | German |
| 2682246      | Marcotodo GmbH<br>Airbus Operations GmbH                                        | 03/07/2012                                                    | 2682246 | 12174742.2 |        |
| 2682666      | Mitsubishi Shipbuilding Co., Ltd.                                               | 03/02/2012                                                    | 2682666 | 12752343.9 |        |
| 2685163      | Ansaldo Energia Switzerland AG                                                  | 01/07/2013                                                    | 2685163 | 13174559.8 |        |
| 2685496      | LG Innotek Co., Ltd.                                                            | 05/07/2013                                                    | 2685496 | 13175375.8 |        |
| 2686707      | Chevron U.S.A., Inc.                                                            | 17/02/2012                                                    | 2686707 | 12761151.5 |        |
| 2687183      | Intuitive Surgical Operations, Inc.                                             | 08/05/2006                                                    | 2687183 | 13187615.3 |        |
| 2687935      | National Cheng Kung University                                                  | 16/05/2013                                                    | 2687935 | 13168089.4 |        |

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|---------|-----------------------------------------------------------------|------------|---------|------------|--------|
| 2690348 | Stanley Electric Co., Ltd.<br>Nalux Co., Ltd.                   | 24/07/2013 | 2690348 | 13020059.5 |        |
| 2690923 | Whirlpool Corporation                                           | 23/07/2012 | 2690923 | 12177478.0 |        |
| 2692763 | SK Chemicals Co., Ltd.                                          | 28/03/2012 | 2692763 | 12763836.9 |        |
| 2692898 | Toray Industries, Inc.                                          | 14/02/2012 | 2692898 | 12764688.3 |        |
| 2693365 | NCR Corporation                                                 | 29/05/2013 | 2693365 | 13169678.3 |        |
| 2700698 | LG Chem, Ltd.                                                   | 23/04/2012 | 2700698 | 12773670.0 |        |
| 2701163 | Siemens Aktiengesellschaft                                      | 22/08/2012 | 2701163 | 12181294.5 | German |
| 2701697 | Retrotope, Inc.                                                 | 24/04/2012 | 2701697 | 12776521.2 |        |
| 2702011 | Fenwal, Inc.                                                    | 18/04/2012 | 2702011 | 12776256.5 |        |
| 2702116 | Baker Hughes, a GE company, LLC                                 | 20/04/2012 | 2702116 | 12719850.5 |        |
| 2703323 | Canon Kabushiki Kaisha                                          | 20/08/2013 | 2703323 | 13180989.9 |        |
| 2703779 | BlackBerry Limited                                              | 29/08/2012 | 2703779 | 12182153.2 |        |
| 2703998 | Ricoh Company, Ltd.                                             | 28/08/2013 | 2703998 | 13181922.9 |        |
| 2704118 | Draeger Safety UK Limited                                       | 20/08/2013 | 2704118 | 13180965.9 |        |
| 2704626 | Medtronic, Inc.                                                 | 03/05/2012 | 2704626 | 12720386.7 |        |
| 2704902 | The Research Foundation for The State<br>University of New York | 07/05/2012 | 2704902 | 12781824.3 |        |
| 2706401 | Yazaki North America, Inc.                                      | 05/09/2013 | 2706401 | 13183252.9 |        |
| 2707943 | Eaton Power Quality Corporation                                 | 09/05/2012 | 2707943 | 12724211.3 |        |
| 2708000 | The J. Scott Benson Living Trust                                | 08/05/2012 | 2708000 | 12723560.4 |        |
| 2708822 | Whirlpool EMEA S.p.A.                                           | 13/09/2013 | 2708822 | 13184387.2 |        |
| 2708833 | Hitachi-Johnson Controls Air<br>Conditioning, Inc.              | 23/08/2013 | 2708833 | 13181585.4 |        |
| 2708952 | PFU LIMITED                                                     | 20/08/2013 | 2708952 | 13180973.3 |        |
| 2709031 | Sony Corporation                                                | 09/09/2013 | 2709031 | 13183527.4 |        |
| 2709340 | Huawei Device Co., Ltd.                                         | 19/06/2012 | 2709340 | 12767337.4 |        |
| 2709418 | Huawei Technologies Co., Ltd.                                   | 31/05/2011 | 2709418 | 11795095.6 |        |
| 2710567 | InVue Security Products, Inc.                                   | 21/05/2012 | 2710567 | 12725957.0 |        |
| 2711664 | Alfing Kessler Sondermaschinen GmbH                             | 12/09/2013 | 2711664 | 13004438.1 | German |
| 2712612 | NITTO DENKO CORPORATION                                         | 27/09/2013 | 2712612 | 13186515.6 |        |
| 2717058 | Hitachi High-Technologies Corporation                           | 22/05/2012 | 2717058 | 12792936.2 |        |
| 2718983 | Hirschmann Automotive GmbH                                      | 06/06/2012 | 2718983 | 12729408.0 | German |
| 2718985 | Hirschmann Automotive GmbH                                      | 06/06/2012 | 2718985 | 12730824.5 | German |
| 2719327 | Canon Kabushiki Kaisha                                          | 26/09/2013 | 2719327 | 13186072.8 |        |
| 2720776 | Primetals Technologies Austria GmbH                             | 20/06/2012 | 2720776 | 12735800.0 | German |
| 2722885 | Infineon Technologies Americas Corp.                            | 25/09/2013 | 2722885 | 13185869.8 |        |

|         |                                                                      |            |         |            |        |
|---------|----------------------------------------------------------------------|------------|---------|------------|--------|
| 2724781 | ATOP S.p.A.                                                          | 24/09/2009 | 2724781 | 14152247.4 |        |
| 2725183 | Sandvik Mining and Construction Oy                                   | 24/10/2012 | 2725183 | 12189758.1 |        |
| 2726788 | General Electric Company                                             | 28/06/2011 | 2726788 | 11817547.0 |        |
| 2726970 | TOYOTA JIDOSHA KABUSHIKI<br>KAISHA                                   | 26/06/2012 | 2726970 | 12738180.4 |        |
| 2727138 | Mechatronic Systemtechnik GmbH                                       | 02/07/2012 | 2727138 | 12748380.8 | German |
| 2728714 | SEG Automotive Germany GmbH                                          | 17/09/2010 | 2728714 | 14150367.2 | German |
| 2729004 | PTC Therapeutics, Inc.                                               | 05/07/2012 | 2729004 | 12807735.1 |        |
| 2730173 | Mederer GmbH                                                         | 06/11/2013 | 2730173 | 13191814.6 | German |
| 2730948 | Toshiba Medical Systems Corporation                                  | 06/07/2012 | 2730948 | 12807377.2 |        |
| 2730961 | Nittoh Inc.                                                          | 05/07/2012 | 2730961 | 12807709.6 |        |
| 2731261 | LSIS Co., Ltd.                                                       | 10/10/2013 | 2731261 | 13188162.5 |        |
| 2732300 | Hunter Safety Lab, LLC                                               | 13/07/2012 | 2732300 | 12811686.0 |        |
| 2734242 | Zobebe Holding SpA                                                   | 20/07/2012 | 2734242 | 12737572.3 |        |
| 2734307 | Menarini Silicon Biosystems S.p.A.                                   | 20/07/2012 | 2734307 | 12740854.0 |        |
| 2736026 | Wincor Nixdorf International GmbH                                    | 26/11/2012 | 2736026 | 12194205.6 | German |
| 2736885 | Sun Pharma Advanced Research<br>Company Ltd                          | 26/07/2012 | 2736885 | 12821062.2 |        |
| 2737968 | NORITAKE CO., LIMITED<br>Kanefusa Kabushiki Kaisha                   | 19/06/2012 | 2737968 | 12817349.9 |        |
| 2738104 | The Boeing Company                                                   | 19/11/2013 | 2738104 | 13193545.4 |        |
| 2738922 | NISSAN MOTOR CO., LTD.                                               | 20/06/2012 | 2738922 | 12817482.8 |        |
| 2739786 | ACO                                                                  | 02/08/2012 | 2739786 | 12758531.3 | French |
| 2740760 | Bridgestone Corporation                                              | 01/08/2012 | 2740760 | 12820292.6 |        |
| 2742666 | Livisi GmbH                                                          | 18/11/2011 | 2742666 | 11790578.6 | German |
| 2742732 | Nokia Solutions and Networks Oy                                      | 08/08/2011 | 2742732 | 11743512.3 |        |
| 2743142 | Volvo Car Corporation                                                | 12/12/2012 | 2743142 | 12196734.3 |        |
| 2745273 | Koninklijke Philips N.V.                                             | 14/09/2012 | 2745273 | 12791849.8 |        |
| 2746731 | Dr. Johannes Heidenhain GmbH                                         | 28/11/2013 | 2746731 | 13194826.7 | German |
| 2746812 | Diehl Defence GmbH & Co. KG                                          | 05/12/2013 | 2746812 | 13005662.5 | German |
| 2746826 | COMMISSARIAT À L'ÉNERGIE<br>ATOMIQUE ET AUX ÉNERGIES<br>ALTERNATIVES | 17/12/2013 | 2746826 | 13197770.4 | French |
| 2747719 | Koninklijke Philips N.V.                                             | 15/11/2012 | 2747719 | 12809340.8 |        |
| 2749756 | UD Trucks Corporation                                                | 23/08/2012 | 2749756 | 12851600.2 |        |
| 2750175 | Harmotec Co., Ltd.                                                   | 24/08/2012 | 2750175 | 12825546.0 |        |

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| 2750285 | GE Energy Power Conversion<br>Technology Ltd                                        | 17/12/2013 | 2750285 | 13197676.3 |        |
| 2750292 | NXP B.V.                                                                            | 23/12/2013 | 2750292 | 13199424.6 |        |
| 2751323 | Cook Medical Technologies LLC                                                       | 27/08/2012 | 2751323 | 12753655.5 |        |
| 2751651 | Microsoft Technology Licensing, LLC                                                 | 07/10/2011 | 2751651 | 11871739.6 |        |
| 2752495 | Obschestvo S Ogranichennoy<br>Otvetstvennostyu «Gematologicheskaya<br>Korporatsiya» | 16/07/2012 | 2752495 | 12818440.5 |        |
| 2752548 | Schulte, Reinhold                                                                   | 23/12/2013 | 2752548 | 13199410.5 | German |
| 2754250 | Qualcomm Incorporated                                                               | 05/09/2012 | 2754250 | 12758727.7 |        |
| 2755036 | Siemens Healthcare Diagnostics<br>Products GmbH                                     | 17/12/2013 | 2755036 | 13197586.4 | German |
| 2755559 | Hologic, Inc.                                                                       | 12/09/2012 | 2755559 | 12832632.9 |        |
| 2756636 | Cisco Technology, Inc.                                                              | 12/09/2012 | 2756636 | 12766254.2 |        |
| 2756699 | Qualcomm Incorporated                                                               | 12/09/2012 | 2756699 | 12762166.2 |        |
| 2756788 | Whirlpool EMEA S.p.A.                                                               | 27/12/2013 | 2756788 | 13199631.6 |        |
| 2756816 | Olympus Corporation<br>Yahagi, Naohisa                                              | 05/06/2007 | 2756816 | 14164119.1 |        |
| 2759706 | Sumitomo Electric Sintered Alloy, Ltd.                                              | 28/02/2013 | 2759706 | 13777471.7 |        |
| 2759948 | The Boeing Company                                                                  | 27/01/2014 | 2759948 | 14152668.1 |        |
| 2761057 | Siemens Aktiengesellschaft                                                          | 14/09/2012 | 2761057 | 12761600.1 | German |
| 2761326 | SAAB AB                                                                             | 16/09/2011 | 2761326 | 11879202.7 |        |
| 2761712 | Orange                                                                              | 25/09/2012 | 2761712 | 12773080.2 | French |
| 2761775 | LG Electronics Inc.                                                                 | 25/09/2012 | 2761775 | 12836544.2 |        |
| 2761928 | Nokia Solutions and Networks Oy                                                     | 29/09/2011 | 2761928 | 11873093.6 |        |
| 2763601 | Cornell University                                                                  | 09/10/2012 | 2763601 | 12839792.4 |        |
| 2763657 | Forschungszentrum Jülich GmbH                                                       | 01/10/2012 | 2763657 | 12791077.6 | German |
| 2763833 | Saint-Gobain Glass France                                                           | 05/09/2012 | 2763833 | 12753524.3 | German |
| 2764745 | Samsung Electronics Co., Ltd.                                                       | 08/10/2012 | 2764745 | 12838364.3 |        |
| 2764842 | Biosense Webster (Israel) Ltd.                                                      | 06/02/2014 | 2764842 | 14154118.5 |        |
| 2765152 | Korea Institute of Science and<br>Technology                                        | 16/04/2013 | 2765152 | 13163853.8 |        |
| 2766029 | Ampio Pharmaceuticals, Inc.                                                         | 10/10/2012 | 2766029 | 12839256.0 |        |
| 2767859 | Appotronics Corporation Limited                                                     | 10/08/2012 | 2767859 | 12840038.9 |        |
| 2768805 | Oryzon Genomics, S.A.                                                               | 22/10/2012 | 2768805 | 12791440.6 |        |
| 2770378 | Kyocera Document Solutions Inc.                                                     | 17/02/2014 | 2770378 | 14155350.3 |        |

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|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------|------------|--------|
| 2772059 | LSD Tech Co., Ltd.<br>Lee, Ki Taik                                                                                                                                                                                   | 19/10/2012 | 2772059 | 12843071.7 |        |
| 2772686 | Steinmüller Babcock Environment<br>GmbH<br>Nippon Steel Engineering Co., Ltd.                                                                                                                                        | 21/02/2014 | 2772686 | 14156099.5 | German |
| 2772791 | Johnson & Johnson Vision Care, Inc.                                                                                                                                                                                  | 28/02/2014 | 2772791 | 14157327.9 |        |
| 2773213 | SP Sourcon Padena GmbH                                                                                                                                                                                               | 26/10/2012 | 2773213 | 12780176.9 | German |
| 2773968 | F.HOFFMANN-LA ROCHE AG                                                                                                                                                                                               | 02/11/2012 | 2773968 | 12779095.4 |        |
| 2774337 | NXP USA, Inc.                                                                                                                                                                                                        | 04/11/2011 | 2774337 | 11874978.7 |        |
| 2774755 | Lintec Corporation                                                                                                                                                                                                   | 02/11/2012 | 2774755 | 12846522.6 |        |
| 2775257 | Kabushiki Kaisha TOPCON                                                                                                                                                                                              | 27/02/2014 | 2775257 | 14156937.6 |        |
| 2775362 | Krohne Messtechnik GmbH                                                                                                                                                                                              | 18/10/2013 | 2775362 | 13004984.4 | German |
| 2775394 | LG Electronics, Inc.                                                                                                                                                                                                 | 17/01/2014 | 2775394 | 14151530.4 |        |
| 2776606 | The University Court of the University<br>of Glasgow                                                                                                                                                                 | 08/11/2012 | 2776606 | 12790944.8 |        |
| 2776811 | Aryballe Technologies                                                                                                                                                                                                | 25/10/2012 | 2776811 | 12794368.6 | French |
| 2777234 | Qualcomm Incorporated                                                                                                                                                                                                | 09/11/2012 | 2777234 | 12791631.0 |        |
| 2779150 | Huawei Device Co., Ltd.                                                                                                                                                                                              | 06/01/2013 | 2779150 | 13738840.1 |        |
| 2779736 | ZTE Corporation                                                                                                                                                                                                      | 16/05/2012 | 2779736 | 12859004.9 |        |
| 2780693 | Aryballe Technologies                                                                                                                                                                                                | 25/10/2012 | 2780693 | 12794369.4 | French |
| 2782153 | BOE Technology Group Co., Ltd.                                                                                                                                                                                       | 29/09/2012 | 2782153 | 12778031.0 |        |
| 2783133 | Skjold, Lars                                                                                                                                                                                                         | 16/11/2012 | 2783133 | 12851987.3 |        |
| 2783707 | Chungbuk National University<br>Industry-Academic Cooperation<br>Foundation<br>Kyungpook National University<br>Industry-Academic Cooperation<br>Foundation<br>Industry Foundation of Chonnam<br>National University | 23/11/2012 | 2783707 | 12850996.5 |        |
| 2783934 | Nissan Motor Co., Ltd.                                                                                                                                                                                               | 31/10/2012 | 2783934 | 12851460.1 |        |
| 2784897 | Panasonic Intellectual Property<br>Management Co., Ltd.                                                                                                                                                              | 19/11/2012 | 2784897 | 12852174.7 |        |
| 2786875 | Ricoh Company, Ltd.                                                                                                                                                                                                  | 28/01/2014 | 2786875 | 14152865.3 |        |
| 2787642 | NXP B.V.                                                                                                                                                                                                             | 06/03/2014 | 2787642 | 14158190.0 |        |
| 2787738 | Vivante Corporation                                                                                                                                                                                                  | 03/04/2014 | 2787738 | 14163416.2 |        |
| 2789100 | Microchip Technology Germany GmbH                                                                                                                                                                                    | 06/12/2012 | 2789100 | 12812893.1 |        |

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| 2789917 | Delavan Inc.                                                                                                                | 10/04/2014 | 2789917 | 14164174.6 |        |
| 2790793 | 3M Innovative Properties Company                                                                                            | 12/12/2012 | 2790793 | 12856884.7 |        |
| 2791740 | ETA SA Manufacture Horlogère Suisse                                                                                         | 04/12/2012 | 2791740 | 12801718.3 | French |
| 2792208 | Corning Optical Communications LLC                                                                                          | 12/12/2011 | 2792208 | 11805320.6 |        |
| 2792991 | Diehl Defence GmbH & Co. KG                                                                                                 | 05/04/2014 | 2792991 | 14001265.9 | German |
| 2794067 | Georgia Tech Research Corporation                                                                                           | 29/10/2012 | 2794067 | 12860299.2 |        |
|         | Shell Internationale Research                                                                                               |            |         |            |        |
|         | Maatschappij B.V.                                                                                                           |            |         |            |        |
| 2794102 | IFP Energies nouvelles                                                                                                      | 23/11/2012 | 2794102 | 12813401.2 | French |
| 2794170 | Commissariat à l'Énergie Atomique et<br>aux Énergies Alternatives                                                           | 21/12/2012 | 2794170 | 12806505.9 | French |
| 2794674 | Dow Global Technologies LLC                                                                                                 | 21/11/2012 | 2794674 | 12795289.3 |        |
| 2799099 | Medimop Medical Projects Ltd                                                                                                | 30/04/2014 | 2799099 | 14166591.9 |        |
| 2799295 | Valeo Systèmes d'Essuyage                                                                                                   | 30/04/2013 | 2799295 | 13305571.5 |        |
| 2799809 | Nippon Steel Corporation                                                                                                    | 27/12/2012 | 2799809 | 12863313.8 |        |
| 2800565 | Lundbeck La Jolla Research Center,<br>Inc.                                                                                  | 07/01/2013 | 2800565 | 13733636.8 |        |
|         | The Scripps Research Institute                                                                                              |            |         |            |        |
| 2800807 | Association for the Advancement of<br>Tissue Engineering and Cell Based<br>Technologies & Therapies (A4TEC) -<br>Associação | 04/01/2013 | 2800807 | 13704248.7 |        |
| 2801501 | Toyota Jidosha Kabushiki Kaisha                                                                                             | 04/01/2012 | 2801501 | 12864074.5 |        |
| 2803735 | The Board of Trustees of the Leland<br>Stanford Junior University                                                           | 25/03/2011 | 2803735 | 14168535.4 |        |
| 2804572 | Stryker Corporation                                                                                                         | 17/01/2013 | 2804572 | 13738389.9 |        |
| 2807153 | Novartis AG                                                                                                                 | 25/01/2013 | 2807153 | 13741446.2 |        |
| 2807599 | Citrix Systems, Inc.                                                                                                        | 23/01/2013 | 2807599 | 13708932.2 |        |
| 2809438 | Cerion LLC                                                                                                                  | 01/02/2013 | 2809438 | 13704535.7 |        |
| 2810061 | Agilent Technologies, Inc.                                                                                                  | 01/02/2012 | 2810061 | 12701906.5 |        |
| 2810474 | Telefonaktiebolaget LM Ericsson (publ)                                                                                      | 30/01/2012 | 2810474 | 12867255.7 |        |
| 2811204 | NSK Ltd.                                                                                                                    | 04/02/2013 | 2811204 | 13743399.1 |        |
| 2811294 | JFE Steel Corporation                                                                                                       | 09/05/2012 | 2811294 | 12867508.9 |        |
| 2811327 | Kowa Company, Ltd.                                                                                                          | 26/12/2012 | 2811327 | 12867608.7 |        |
| 2811844 | Danisco US Inc.                                                                                                             | 01/02/2013 | 2811844 | 13705655.2 |        |
| 2812046 | EyePoint Pharmaceuticals US, Inc.                                                                                           | 08/02/2013 | 2812046 | 13747066.2 |        |



|         |                                                                                        |            |         |            |        |
|---------|----------------------------------------------------------------------------------------|------------|---------|------------|--------|
| 2812063 | Avenu Medical, Inc.<br>Baja Research LLC                                               | 08/02/2013 | 2812063 | 13747015.9 |        |
| 2812364 | King Fahd University of Petroleum and<br>Minerals (KFUPM)<br>Saudi Arabian Oil Company | 07/02/2013 | 2812364 | 13705343.5 |        |
| 2812879 | Microsoft Technology Licensing, LLC                                                    | 04/02/2013 | 2812879 | 13747185.0 |        |
| 2812892 | Novalia Ltd                                                                            | 06/02/2013 | 2812892 | 13705232.0 |        |
| 2813127 | Qualcomm Incorporated                                                                  | 08/02/2013 | 2813127 | 13707944.8 |        |
| 2813776 | Huawei Technologies Co., Ltd.                                                          | 29/07/2013 | 2813776 | 13805728.6 |        |
| 2813904 | ETA SA Manufacture Horlogère Suisse                                                    | 10/06/2013 | 2813904 | 13171268.9 | French |
| 2814249 | Zhejiang Dahua Technology Co., Ltd                                                     | 16/05/2013 | 2814249 | 13790619.4 |        |
| 2814670 | Hewlett-Packard Development<br>Company, L.P.                                           | 19/04/2012 | 2814670 | 12874898.5 |        |
| 2815567 | Glenisys Kft.                                                                          | 15/02/2013 | 2815567 | 13721389.8 |        |
| 2815818 | Etablissements Pierre Gréhal et Cie SA                                                 | 17/06/2014 | 2815818 | 14172793.3 | French |
| 2816616 | LG Innotek Co., Ltd.                                                                   | 18/06/2014 | 2816616 | 14172901.2 |        |
| 2816958 | Maui Imaging, Inc.                                                                     | 21/02/2013 | 2816958 | 13751662.1 |        |
| 2817093 | DSM IP Assets B.V.                                                                     | 22/02/2013 | 2817093 | 13705766.7 |        |
| 2817388 | Merck Patent GmbH                                                                      | 12/02/2013 | 2817388 | 13707810.1 |        |
| 2817586 | Apple Inc.                                                                             | 14/02/2013 | 2817586 | 13748754.2 |        |
| 2818973 | Intel Corporation                                                                      | 24/06/2014 | 2818973 | 14173734.6 |        |
| 2820151 | Novartis AG                                                                            | 22/02/2013 | 2820151 | 13707527.1 |        |
| 2820824 | Microsoft Technology Licensing, LLC                                                    | 24/02/2013 | 2820824 | 13754229.6 |        |
| 2820969 | Yonwoo Co., Ltd.                                                                       | 28/02/2013 | 2820969 | 13754843.4 |        |
| 2821196 | The Japan Steel Works, Ltd.                                                            | 28/02/2013 | 2821196 | 13755712.0 |        |
| 2821533 | Toray Industries, Inc.                                                                 | 20/02/2013 | 2821533 | 13755775.7 |        |
| 2821708 | Aga Rangemaster Limited                                                                | 10/06/2014 | 2821708 | 14171839.5 |        |
| 2821823 | Sumitomo Electric Industries, Ltd.                                                     | 21/02/2013 | 2821823 | 13754674.3 |        |
| 2825727 | Osborne, Lawrence                                                                      | 12/12/2012 | 2825727 | 12871543.0 |        |
| 2829883 | Tektronix, Inc.                                                                        | 25/07/2014 | 2829883 | 14178601.2 |        |
| 2831563 | Wöhler Technik GmbH                                                                    | 25/03/2013 | 2831563 | 13722665.0 | German |
| 2832031 | Integrated Device Technology, Inc.                                                     | 27/03/2013 | 2832031 | 13770110.8 |        |
| 2833599 | Vodafone IP Licensing Limited                                                          | 10/07/2014 | 2833599 | 14176628.7 |        |
| 2834683 | Heptagon Micro Optics Pte. Ltd.                                                        | 03/04/2013 | 2834683 | 13772202.1 |        |
| 2835108 | Microline Surgical, Inc.                                                               | 30/09/2011 | 2835108 | 14186614.5 |        |
| 2835821 | Shin-Etsu Polymer Co. Ltd.                                                             | 01/04/2013 | 2835821 | 13772864.8 |        |
| 2836664 | Dziekonski, Mitchell, Z.                                                               | 15/04/2013 | 2836664 | 13776216.7 |        |

|         |                                                                                  |            |         |            |        |
|---------|----------------------------------------------------------------------------------|------------|---------|------------|--------|
| 2837000 | Micron Technology, Inc.                                                          | 11/04/2013 | 2837000 | 13775893.4 |        |
| 2838435 | Hathaway, Jeff M.                                                                | 16/04/2012 | 2838435 | 12874394.5 |        |
| 2838849 | Commissariat à l'Énergie Atomique et<br>aux Énergies Alternatives                | 29/03/2013 | 2838849 | 13719959.2 | French |
| 2839755 | Adidas AG                                                                        | 23/08/2013 | 2839755 | 13181490.7 |        |
| 2839881 | GYRO-TRAC Corporation                                                            | 20/08/2014 | 2839881 | 14181616.5 |        |
| 2840341 | Samsung Electronics Co., Ltd.                                                    | 29/07/2014 | 2840341 | 14178977.6 |        |
| 2841585 | ExxonMobil Research and Engineering<br>Company                                   | 05/12/2012 | 2841585 | 12875170.8 |        |
| 2841707 | United Technologies Corporation                                                  | 14/04/2013 | 2841707 | 13817461.0 |        |
| 2842154 | Foundation for Research and<br>Technology                                        | 24/04/2013 | 2842154 | 13722321.0 |        |
| 2842771 | Bridgestone Americas Tire Operations,<br>LLC                                     | 26/07/2001 | 2842771 | 14183098.4 |        |
| 2844361 | Spiber Technologies AB<br>Immunovia AB                                           | 02/05/2013 | 2844361 | 13723707.9 |        |
| 2844663 | Sirna Therapeutics, Inc.                                                         | 01/05/2013 | 2844663 | 13784779.4 |        |
| 2845232 | Wispry, Inc.                                                                     | 30/04/2013 | 2845232 | 13785065.7 |        |
| 2845417 | Huawei Technologies Sweden AB                                                    | 03/05/2012 | 2845417 | 12718667.4 |        |
| 2846847 | C.P. Medical Corporation                                                         | 10/05/2013 | 2846847 | 13787696.7 |        |
| 2847075 | Atlanta S.p.A.                                                                   | 07/05/2013 | 2847075 | 13729467.4 |        |
| 2847800 | Itouchenergy Limited                                                             | 08/05/2013 | 2847800 | 13727811.5 |        |
| 2847953 | Samsung Electronics Co., Ltd.                                                    | 07/05/2013 | 2847953 | 13787421.0 |        |
| 2848374 | Stanley Black & Decker, Inc.                                                     | 02/10/2013 | 2848374 | 13187167.5 |        |
| 2848624 | Gilead Pharmasset LLC                                                            | 17/11/2008 | 2848624 | 14171097.0 |        |
| 2850472 | RealD Spark, LLC                                                                 | 15/05/2013 | 2850472 | 13790809.1 |        |
| 2850709 | PSA Automobiles SA<br>Centre National de la Recherche<br>Scientifique (C.N.R.S.) | 15/05/2013 | 2850709 | 13723118.9 | French |
| 2850869 | Samsung Electronics Co., Ltd.                                                    | 07/05/2013 | 2850869 | 13787980.5 |        |
| 2851150 | Präwema Antriebstechnik GmbH                                                     | 05/09/2014 | 2851150 | 14183769.0 | German |
| 2851682 | Piovan S.P.A.                                                                    | 24/09/2014 | 2851682 | 14186190.6 |        |
| 2851840 | Veoneer Sweden AB                                                                | 24/09/2013 | 2851840 | 13185765.8 |        |
| 2851965 | Kabushiki Kaisha Toshiba                                                         | 29/08/2014 | 2851965 | 14182810.3 |        |

|         |                                                                                                                                                          |            |         |            |        |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------|------------|--------|
| 2852409 | Astellas Pharma Inc.<br>TRON - Translationale Onkologie an<br>der Universitätsmedizin der Johannes<br>Gutenberg- Universität Mainz<br>gemeinnützige GmbH | 21/05/2013 | 2852409 | 13729591.1 |        |
| 2853077 | Huawei Technologies Co., Ltd.                                                                                                                            | 06/06/2013 | 2853077 | 13732002.4 |        |
| 2853278 | Becton, Dickinson and Company                                                                                                                            | 25/09/2014 | 2853278 | 14186371.2 |        |
| 2853984 | Intel Corporation                                                                                                                                        | 26/09/2014 | 2853984 | 14186558.4 |        |
| 2854141 | Siemens Aktiengesellschaft                                                                                                                               | 30/09/2013 | 2854141 | 13186634.5 | German |
| 2854618 | Canon Kabushiki Kaisha                                                                                                                                   | 21/05/2013 | 2854618 | 13797121.4 |        |
| 2855125 | Gurit (UK) Ltd.                                                                                                                                          | 30/05/2013 | 2855125 | 13726503.9 |        |
| 2857224 | NTN Corporation                                                                                                                                          | 24/04/2013 | 2857224 | 13782148.4 |        |
| 2857235 | TOYOTA JIDOSHA KABUSHIKI<br>KAISHA                                                                                                                       | 14/02/2013 | 2857235 | 13796492.0 |        |
| 2857805 | Yokogawa Electric Corporation                                                                                                                            | 02/10/2014 | 2857805 | 14187566.6 |        |
| 2857955 | Canon Production Printing Netherlands<br>B.V.                                                                                                            | 25/09/2014 | 2857955 | 14186295.3 |        |
| 2858640 | Nalpropion Pharmaceuticals LLC                                                                                                                           | 05/06/2013 | 2858640 | 13800883.4 |        |
| 2858740 | DDP Speciality Electronic Materials<br>US, Inc.                                                                                                          | 03/07/2013 | 2858740 | 13737111.8 |        |
| 2859910 | Hisamitsu Pharmaceutical Co., Inc.                                                                                                                       | 11/06/2013 | 2859910 | 13803698.3 |        |
| 2859919 | Minimax Mobile Services GmbH & Co.<br>KG                                                                                                                 | 12/11/2013 | 2859919 | 13192405.2 | German |
| 2859938 | LG Chem, Ltd.                                                                                                                                            | 31/05/2013 | 2859938 | 13795681.9 |        |
| 2860062 | PWP SA                                                                                                                                                   | 01/10/2014 | 2860062 | 14187311.7 | German |
| 2860984 | Nagrastar L.L.C.                                                                                                                                         | 13/06/2014 | 2860984 | 14172364.3 | French |
| 2861847 | United Technologies Corporation<br>GKN Aerospace Sweden AB                                                                                               | 14/06/2013 | 2861847 | 13804715.4 |        |
| 2861889 | Schaeffler Technologies AG & Co. KG                                                                                                                      | 29/05/2013 | 2861889 | 13726190.5 | German |
| 2862247 | M Squared Lasers Limited                                                                                                                                 | 22/05/2013 | 2862247 | 13731846.5 |        |
| 2862319 | Continental Automotive GmbH                                                                                                                              | 10/06/2013 | 2862319 | 13731048.8 | German |
| 2863475 | Veoneer Sweden AB                                                                                                                                        | 21/10/2013 | 2863475 | 13189519.5 |        |
| 2863966 | Becton Dickinson and Company                                                                                                                             | 26/06/2013 | 2863966 | 13770521.6 |        |
| 2865509 | The Boeing Company                                                                                                                                       | 29/07/2014 | 2865509 | 14178924.8 |        |
| 2866144 | Software AG                                                                                                                                              | 28/10/2013 | 2866144 | 13190497.1 |        |
| 2866360 | LG ELECTRONICS INC.                                                                                                                                      | 20/06/2013 | 2866360 | 13808695.4 |        |
| 2867689 | Syntheticmr AB                                                                                                                                           | 28/06/2013 | 2867689 | 13813853.2 |        |

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|---------|----------------------------------------------------------|------------|---------|------------|--------|
| 2867702 | Koninklijke Philips N.V.                                 | 26/06/2013 | 2867702 | 13762233.8 |        |
| 2869104 | Christie Digital Systems USA, Inc.                       | 28/10/2014 | 2869104 | 14190575.2 |        |
| 2869316 | ROSEMOUNT AEROSPACE INC.                                 | 22/10/2014 | 2869316 | 14189930.2 |        |
| 2869355 | Lumiotec Inc.                                            | 24/06/2013 | 2869355 | 13808531.1 |        |
| 2870387 | Audi AG                                                  | 03/07/2013 | 2870387 | 13733957.8 | German |
| 2870409 | Dreizler, Ulrich                                         | 15/05/2013 | 2870409 | 13728327.1 | German |
| 2871612 | HERE Global B.V.                                         | 07/10/2014 | 2871612 | 14187857.9 |        |
| 2871638 | LG Hausys, Ltd.                                          | 25/06/2013 | 2871638 | 13812929.1 |        |
| 2872640 | Adisseo France S.A.S.                                    | 10/07/2013 | 2872640 | 13734811.6 |        |
| 2874383 | Shanghai Chule (Cootek) Information Technology Co., Ltd. | 12/07/2013 | 2874383 | 13816238.3 |        |
| 2874535 | ResMed Sensor Technologies Limited                       | 19/07/2013 | 2874535 | 13819553.2 |        |
| 2874987 | The Research Foundation Of State University Of New York  | 19/07/2013 | 2874987 | 13820647.9 |        |
| 2875077 | KRONOS INTERNATIONAL, INC.                               | 20/06/2013 | 2875077 | 13753808.8 | German |
| 2875223 | United Technologies Corporation                          | 12/07/2013 | 2875223 | 13820433.4 |        |
| 2876253 | Weatherford Technology Holdings, LLC                     | 20/11/2014 | 2876253 | 14194019.7 |        |
| 2877196 | Virginia Commonwealth University                         | 24/06/2013 | 2877196 | 13809549.2 |        |
| 2877275 | Dow Global Technologies LLC                              | 29/09/2012 | 2877275 | 12885770.3 |        |
| 2877362 | Volkswagen Aktiengesellschaft                            | 22/07/2013 | 2877362 | 13741717.6 | German |
| 2877369 | Toyota Boshoku America, Inc.                             | 23/07/2013 | 2877369 | 13745278.5 |        |
| 2878297 | Boehringer Ingelheim International GmbH                  | 21/12/2005 | 2878297 | 14190398.9 |        |
| 2879582 | Soma Analytics UG (Haftungsbeschränkt)                   | 01/08/2013 | 2879582 | 13755979.5 | German |
| 2879609 | Koninklijke Philips N.V.                                 | 02/08/2013 | 2879609 | 13770511.7 |        |
| 2879795 | National Scientific Company                              | 26/07/2013 | 2879795 | 13826165.6 |        |
| 2879907 | B/E Aerospace Inc.                                       | 31/07/2013 | 2879907 | 13753218.0 |        |
| 2880064 | Basell Poliolefine Italia S.r.l.                         | 01/08/2013 | 2880064 | 13745633.1 |        |
| 2881198 | National University Corporation Yamagata University      | 02/08/2013 | 2881198 | 13824908.1 |        |
| 2882577 | Ceraloc Innovation AB                                    | 08/08/2013 | 2882577 | 13827653.0 |        |
| 2883376 | Tata Consultancy Services Limited                        | 17/06/2013 | 2883376 | 13827687.8 |        |
| 2883809 | Uchiyama Manufacturing Corp. Suntory Holdings Limited    | 12/12/2014 | 2883809 | 14197571.4 |        |
| 2884230 | Clarion Co., Ltd.                                        | 01/08/2013 | 2884230 | 13827491.5 |        |

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|--------------|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------|---------|------------|--------|
| 2884336      | CANON KABUSHIKI KAISHA                                                                           | 30/10/2014                                                    | 2884336 | 14191047.1 |        |
| 2884886      | Koninklijke Philips N.V.<br>Washington University                                                | 14/08/2013                                                    | 2884886 | 13783991.6 |        |
| 2885096      | Stanley Black & Decker, Inc.                                                                     | 13/08/2013                                                    | 2885096 | 13829451.7 |        |
| 2885143      | Renault S.A.S.                                                                                   | 07/06/2013                                                    | 2885143 | 13731396.1 | French |
| 2885471      | Wagner, Grigorij                                                                                 | 23/09/2014                                                    | 2885471 | 14771594.0 |        |
| 2887146      | CANON KABUSHIKI KAISHA                                                                           | 17/10/2014                                                    | 2887146 | 14189345.3 |        |
| 2887383      | Shin-Etsu Handotai Co., Ltd.                                                                     | 07/11/2013                                                    | 2887383 | 13863262.5 |        |
| 2887417      | The Regents of The University of<br>Michigan                                                     | 17/12/2014                                                    | 2887417 | 14198457.5 |        |
| 2888247      | Array Biopharma, Inc.<br>Genentech, Inc.                                                         | 27/08/2013                                                    | 2888247 | 13759395.0 |        |
| 2888889      | Avago Technologies International Sales<br>Pte. Limited                                           | 23/08/2013                                                    | 2888889 | 13760163.9 |        |
| 2889292      | ABA Chemicals Corporation                                                                        | 24/08/2012                                                    | 2889292 | 12883391.0 |        |
| 2889369      | Mitsubishi Corporation Life Sciences<br>Limited<br>Yamaguchi University                          | 23/08/2013                                                    | 2889369 | 13831410.9 |        |
| 2889760      | Intel Corporation                                                                                | 20/11/2014                                                    | 2889760 | 14194114.6 |        |
| 2892120      | Junkosha Inc.                                                                                    | 28/08/2013                                                    | 2892120 | 13832233.4 |        |
| 2892336      | Dow AgroSciences LLC                                                                             | 30/08/2013                                                    | 2892336 | 13835652.2 |        |
| 2892555      | International Aids Vaccine Initiative<br>The Scripps Research Institute                          | 10/09/2013                                                    | 2892555 | 13835579.7 |        |
| 2892923      | Novartis AG                                                                                      | 05/09/2013                                                    | 2892923 | 13792452.8 |        |
| 2893277      | General Electric Company                                                                         | 21/06/2013                                                    | 2893277 | 13734591.4 |        |
| 2893650      | AFL Telecommunications LLC                                                                       | 04/10/2013                                                    | 2893650 | 13844135.7 |        |
| 2895369      | Bombardier Transportation GmbH                                                                   | 10/09/2013                                                    | 2895369 | 13762789.9 | German |
| 2895466      | Madrigal Pharmaceuticals, Inc.<br>F. Hoffmann-La Roche Ltd.                                      | 17/09/2013                                                    | 2895466 | 13837402.0 |        |
| 2895526      | International Business Machines<br>Corporation<br>Agency for Science, Technology And<br>Research | 04/09/2013                                                    | 2895526 | 13837540.7 |        |
| 2895666      | Mir Arastirma ve Gelistirme A.S.                                                                 | 09/09/2013                                                    | 2895666 | 13771408.5 |        |
| 2895897      | Transitions Optical, Inc.                                                                        | 09/09/2013                                                    | 2895897 | 13770740.2 |        |
| 2895924      | Global Life Sciences Solutions USA<br>LLC                                                        | 16/09/2013                                                    | 2895924 | 13838017.5 |        |

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| 2895982 | Intel Corporation                                                    | 10/09/2013 | 2895982 | 13836972.3 |        |
| 2896929 | WESTON AEROSPACE LIMITED                                             | 13/01/2015 | 2896929 | 15150960.1 |        |
| 2897522 | Cardioinsight Technologies, Inc.                                     | 20/09/2013 | 2897522 | 13838803.8 |        |
| 2897762 | Morgan Advanced Ceramics, Inc.                                       | 20/09/2013 | 2897762 | 13770424.3 |        |
| 2899558 | LG Chem, Ltd.                                                        | 04/12/2013 | 2899558 | 13860399.8 |        |
| 2900246 | SolAeroMed Inc.                                                      | 27/09/2012 | 2900246 | 12885828.9 |        |
| 2901246 | Movea                                                                | 02/10/2012 | 2901246 | 12784466.0 |        |
| 2902045 | Terumo Kabushiki Kaisha                                              | 26/09/2012 | 2902045 | 12885277.9 |        |
| 2903806 | The Boeing Company                                                   | 28/08/2013 | 2903806 | 13766737.4 |        |
| 2903811 | Dorst Technologies GmbH & Co. KG                                     | 30/09/2013 | 2903811 | 13798548.7 | German |
| 2903817 | Sika Technology AG                                                   | 04/10/2012 | 2903817 | 12772747.7 | German |
| 2904514 | Oracle International Corporation                                     | 14/06/2013 | 2904514 | 13734557.5 |        |
| 2906525 | Université Paris Sud-Paris XI                                        | 28/08/2013 | 2906525 | 13766593.1 | French |
| 2906994 | ASML Netherlands B.V.                                                | 17/09/2013 | 2906994 | 13770854.1 |        |
| 2908227 | LG Chem, Ltd.                                                        | 30/10/2014 | 2908227 | 14858277.8 |        |
| 2908723 | St. Jude Medical, Cardiology Division, Inc.                          | 16/01/2014 | 2908723 | 14703679.2 |        |
| 2908788 | Daxer, Albert                                                        | 30/09/2013 | 2908788 | 13773672.4 | German |
| 2909125 | Cascade Corporation                                                  | 30/07/2013 | 2909125 | 13876271.1 |        |
| 2909388 | Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V. | 18/10/2013 | 2909388 | 13782970.1 | German |
| 2909390 | Posytec Puy De Dome SAS.                                             | 12/10/2012 | 2909390 | 12809294.7 | French |
| 2909900 | University of Maribor                                                | 18/10/2013 | 2909900 | 13779236.2 |        |
| 2910400 | Kawasaki Jukogyo Kabushiki Kaisha                                    | 22/10/2012 | 2910400 | 12887222.3 |        |
| 2911493 | Precision Planting LLC                                               | 24/10/2013 | 2911493 | 13848234.4 |        |
| 2911593 | Valtech Cardio, Ltd.                                                 | 23/10/2013 | 2911593 | 13849843.1 |        |
| 2914314 | Medimop Medical Projects Ltd.                                        | 16/10/2013 | 2914314 | 13783458.6 |        |
| 2914844 | 2-B Energy Holding B.V.                                              | 31/10/2013 | 2914844 | 13799197.2 | German |
| 2914953 | LI-COR, INC.                                                         | 30/10/2013 | 2914953 | 13789447.3 |        |
| 2915181 | Oerlikon Surface Solutions AG, Pfäffikon                             | 29/10/2013 | 2915181 | 13792254.8 | German |
| 2915346 | Scania CV AB                                                         | 23/10/2013 | 2915346 | 13852177.8 |        |
| 2915394 | Huawei Technologies Co., Ltd.                                        | 29/11/2013 | 2915394 | 13858267.1 |        |
| 2916456 | MediaTek Singapore Pte. Ltd.                                         | 17/02/2015 | 2916456 | 15155319.5 |        |
| 2917282 | Dow Silicones Corporation                                            | 12/11/2013 | 2917282 | 13798474.6 |        |
| 2918224 | Nihon Kohden Corporation                                             | 27/02/2015 | 2918224 | 15156874.8 |        |
| 2918254 | Ferdinand Lusch GmbH & Co. KG                                        | 18/02/2015 | 2918254 | 15155582.8 | German |

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| 2919270      | Teledyne e2v (UK) Limited                              | 12/03/2015                                                    | 2919270 | 15158723.5 |        |
| 2920429      | Safran Power Units                                     | 12/11/2013                                                    | 2920429 | 13803129.9 | French |
| 2920464      | Technological University Dublin                        | 14/11/2013                                                    | 2920464 | 13818674.7 |        |
| 2920650      | Canon Kabushiki Kaisha                                 | 12/11/2013                                                    | 2920650 | 13803274.3 |        |
| 2920926      | Avago Technologies International Sales<br>Pte. Limited | 15/11/2013                                                    | 2920926 | 13803332.9 |        |
| 2922654      | Walter AG                                              | 14/11/2013                                                    | 2922654 | 13795198.4 | German |
| 2922919      | University Of Louisville Research<br>Foundation, Inc.  | 21/11/2013                                                    | 2922919 | 13857463.7 |        |
| 2923815      | Braskem S.A.                                           | 06/11/2012                                                    | 2923815 | 12888083.8 |        |
| 2924706      | Hitachi High-Technologies Corporation                  | 26/11/2013                                                    | 2924706 | 13857331.6 |        |
| 2924922      | Humax Co., Ltd.                                        | 26/02/2015                                                    | 2924922 | 15156795.5 |        |
| 2926094      | IP2IPO Innovations Limited                             | 28/11/2013                                                    | 2926094 | 13801700.9 |        |
| 2926098      | Life Technologies Corporation                          | 26/11/2013                                                    | 2926098 | 13811298.2 |        |
| 2927267      | Mitsubishi Chemical Corporation                        | 26/11/2013                                                    | 2927267 | 13857700.2 |        |
| 2928056      | Siemens Aktiengesellschaft                             | 31/03/2014                                                    | 2928056 | 14162800.8 | German |
| 2928424      | Alcon Inc.                                             | 07/02/2014                                                    | 2928424 | 14760362.5 |        |
| 2928497      | Merck Sharp & Dohme Corp.                              | 09/12/2013                                                    | 2928497 | 13811726.2 |        |
| 2929435      | Compellent Technologies                                | 05/12/2013                                                    | 2929435 | 13860693.4 |        |
| 2929488      | Google Technology Holdings LLC                         | 19/11/2013                                                    | 2929488 | 13801936.9 |        |
| 2930202      | Nissin Kogyo Co., Ltd.<br>Shinshu University           | 03/12/2013                                                    | 2930202 | 13859628.3 |        |
| 2931411      | Biomax Holdings Pte Ltd                                | 10/12/2013                                                    | 2931411 | 13863573.5 |        |
| 2931628      | Walker, Ian<br>Constable-Maxwell, Robert               | 13/12/2013                                                    | 2931628 | 13806051.2 |        |
| 2932360      | Samsung Electronics Co., Ltd.                          | 16/12/2013                                                    | 2932360 | 13861594.3 |        |
| 2932384      | Microsoft Technology Licensing, LLC                    | 11/12/2013                                                    | 2932384 | 13812422.7 |        |
| 2933213      | manroland Goss web systems GmbH                        | 17/04/2014                                                    | 2933213 | 14165248.7 |        |
| 2933711      | NXP B.V.                                               | 16/04/2014                                                    | 2933711 | 14164866.7 |        |
| 2933909      | Delta Electronics (Shanghai) Co., Ltd.                 | 09/04/2015                                                    | 2933909 | 15162989.6 |        |
| 2934031      | Huawei Technologies Co., Ltd.                          | 14/01/2013                                                    | 2934031 | 13870929.0 |        |
| 2934111      | Rich Technologies Holding Company,<br>LLC              | 11/12/2013                                                    | 2934111 | 13865922.2 |        |
| 2934243      | Société des Produits Nestlé S.A.                       | 19/12/2013                                                    | 2934243 | 13815475.2 |        |
| 2934320      | Carestream Health, Inc.                                | 18/12/2013                                                    | 2934320 | 13818609.3 |        |
| 2935126      | Outotec (Finland) Oy                                   | 20/12/2013                                                    | 2935126 | 13864250.9 |        |
| 2935186      | DSM IP Assets B.V.                                     | 18/12/2013                                                    | 2935186 | 13828833.7 |        |

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|---------|-------------------------------------------------------|------------|---------|------------|--------|
| 2936017 | REHAU AG + Co                                         | 04/12/2013 | 2936017 | 13817877.7 | German |
| 2936250 | Canon Production Printing Netherlands B.V.            | 16/12/2013 | 2936250 | 13805390.5 |        |
| 2936573 | Valeo Systemes Thermiques                             | 19/12/2013 | 2936573 | 13814895.2 | French |
| 2936670 | ABB Power Grids Switzerland AG                        | 21/12/2012 | 2936670 | 12809819.1 |        |
| 2936689 | Myriota Pty Ltd                                       | 20/12/2013 | 2936689 | 13865233.4 |        |
| 2936764 | Telefonaktiebolaget LM Ericsson (publ)                | 18/12/2012 | 2936764 | 12890318.4 |        |
| 2936888 | Intel Corporation                                     | 24/06/2013 | 2936888 | 13864917.3 |        |
| 2936929 | Tridonic GmbH & Co. KG                                | 19/12/2013 | 2936929 | 13838083.7 | German |
| 2937069 | Kawasaki Jukogyo Kabushiki Kaisha                     | 24/12/2013 | 2937069 | 13866343.0 |        |
| 2937318 | REHAU AG + Co                                         | 15/04/2015 | 2937318 | 15163720.4 | German |
| 2937493 | Hauff-Technik GmbH & Co. KG                           | 22/04/2014 | 2937493 | 14165465.7 | German |
| 2938056 | Oki Data Corporation                                  | 30/03/2015 | 2938056 | 15161768.5 |        |
| 2938218 | NIKE Innovate C.V.                                    | 23/12/2013 | 2938218 | 13848136.1 |        |
| 2938783 | Nalco Company                                         | 16/12/2013 | 2938783 | 13867016.1 |        |
| 2940470 | Korea University Research and Business Foundation     | 27/12/2013 | 2940470 | 13868176.2 |        |
| 2941022 | ZTE Corporation                                       | 13/08/2013 | 2941022 | 13866769.6 |        |
| 2941278 | Prostem International B.V.                            | 12/12/2013 | 2941278 | 13818480.9 |        |
| 2942264 | NSK Ltd.                                              | 03/02/2014 | 2942264 | 14761025.7 |        |
| 2942993 | Sun Patent Trust                                      | 09/05/2014 | 2942993 | 14167785.6 |        |
| 2944114 | LG Electronics Inc.                                   | 09/01/2014 | 2944114 | 14738070.3 |        |
| 2944881 | Electrolux Appliances Aktiebolag                      | 16/05/2014 | 2944881 | 14168594.1 |        |
| 2945319 | NEC Corporation                                       | 21/02/2011 | 2945319 | 15166122.0 |        |
| 2945535 | Sensodetect AB                                        | 17/01/2014 | 2945535 | 14701326.2 |        |
| 2946581 | NEC Corporation                                       | 10/12/2013 | 2946581 | 13812187.6 |        |
| 2948244 | BASF Corporation                                      | 23/01/2014 | 2948244 | 14743387.4 |        |
| 2949308 | Tenga Co., Ltd.                                       | 20/01/2014 | 2949308 | 14743460.9 |        |
| 2950501 | Electronics and Telecommunications Research Institute | 18/09/2014 | 2950501 | 14185287.1 |        |
| 2950558 | Apple Inc.                                            | 21/05/2015 | 2950558 | 15168743.1 |        |
| 2950897 | Bellando de Castro, Antoine                           | 31/01/2014 | 2950897 | 14707200.3 | French |
| 2951865 | Microchip Technology Incorporated                     | 29/01/2014 | 2951865 | 14704489.5 |        |
| 2952083 | Makita Corporation                                    | 31/01/2014 | 2952083 | 14745485.4 |        |
| 2952348 | Komori Corporation                                    | 20/01/2014 | 2952348 | 14746562.9 |        |
| 2952690 | United Technologies Corporation                       | 14/05/2015 | 2952690 | 15167721.8 |        |
| 2953117 | Sony Corporation                                      | 20/01/2014 | 2953117 | 14746460.6 |        |



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|---------|---------------------------------------------------------------------------------|------------|---------|------------|--------|
| 2953204 | Panasonic Intellectual Property Management Co., Ltd.                            | 31/01/2014 | 2953204 | 14745823.6 |        |
| 2953678 | Sillender, Mark                                                                 | 06/02/2014 | 2953678 | 14748819.1 |        |
| 2954589 | Encell Technology, Inc.                                                         | 06/02/2014 | 2954589 | 14749528.7 |        |
| 2955219 | The Procter & Gamble Company Agency for Science, Technology and Research        | 12/06/2014 | 2955219 | 14172222.3 |        |
| 2955846 | Mitsubishi Electric Corporation                                                 | 06/02/2013 | 2955846 | 13874497.4 |        |
| 2956846 | QuickStep Technologies LLC                                                      | 10/02/2014 | 2956846 | 14707665.7 | French |
| 2956983 | CPS Technology Holdings LLC                                                     | 22/01/2014 | 2956983 | 14703711.3 |        |
| 2957463 | VALEO VISION                                                                    | 09/06/2015 | 2957463 | 15171147.0 | French |
| 2958455 | Mophie, Inc.                                                                    | 21/02/2014 | 2958455 | 14754286.4 |        |
| 2958736 | Laing O'Rourke Australia Pty Limited                                            | 21/02/2014 | 2958736 | 14753842.5 |        |
| 2959591 | Itron, Inc.                                                                     | 25/02/2014 | 2959591 | 14710452.5 |        |
| 2960443 | Kabushiki Kaisha Toshiba                                                        | 18/02/2014 | 2960443 | 14754322.7 |        |
| 2961062 | Analog Devices, Inc.                                                            | 10/06/2015 | 2961062 | 15171538.0 |        |
| 2961253 | FUJI Corporation                                                                | 22/02/2013 | 2961253 | 13875776.0 |        |
| 2961427 | GNVIE, LLC                                                                      | 28/02/2014 | 2961427 | 14756908.1 |        |
| 2963539 | VIA Alliance Semiconductor Co., Ltd.                                            | 01/07/2015 | 2963539 | 15174805.0 |        |
| 2963957 | ZTE Corporation                                                                 | 18/09/2013 | 2963957 | 13876165.5 |        |
| 2964197 | vTv Therapeutics LLC                                                            | 28/02/2014 | 2964197 | 14710738.7 |        |
| 2964712 | Dow Global Technologies LLC                                                     | 03/02/2014 | 2964712 | 14705652.7 |        |
| 2966089 | Dyax Corp.                                                                      | 01/06/2012 | 2966089 | 15167896.8 |        |
| 2967188 | DeeLuxe Sportartikel Handels GmbH                                               | 22/01/2014 | 2967188 | 14701076.3 | German |
| 2967665 | Tissue Regeneration Systems, Inc.                                               | 28/02/2012 | 2967665 | 12752360.3 |        |
| 2967840 | Johnson & Johnson Surgical Vision, Inc.                                         | 26/02/2014 | 2967840 | 14713625.3 |        |
| 2969756 | Rolls-Royce Corporation Rolls-Royce North American Technologies, Inc.           | 28/12/2013 | 2969756 | 13871295.5 |        |
| 2969972 | Ecolab USA Inc.                                                                 | 18/02/2014 | 2969972 | 14768925.1 |        |
| 2974918 | Valeo Systèmes d'Essuyage                                                       | 16/07/2015 | 2974918 | 15177023.7 | French |
| 2975604 | BOE Technology Group Co., Ltd. Chengdu BOE Optoelectronics Technology Co., Ltd. | 28/06/2013 | 2975604 | 13854214.7 |        |
| 2975795 | NEC Corporation                                                                 | 12/09/2014 | 2975795 | 15171961.4 |        |
| 2975838 | Xiaomi Inc.                                                                     | 16/07/2015 | 2975838 | 15177086.4 |        |

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| 2977323 | THALES                                                                                              | 16/07/2015 | 2977323 | 15177172.2 | French |
| 2978254 | ZTE Corporation                                                                                     | 19/07/2013 | 2978254 | 13801363.6 |        |
| 2981231 | Ierulli, Joseph V.                                                                                  | 17/02/2015 | 2981231 | 15752497.6 |        |
| 2982258 | NIKE Innovate C.V.                                                                                  | 04/02/2011 | 2982258 | 15178351.1 |        |
| 2982401 | Terumo Kabushiki Kaisha                                                                             | 05/04/2013 | 2982401 | 13880969.4 |        |
| 2983022 | Mitsubishi Chemical Corporation                                                                     | 01/04/2014 | 2983022 | 14779336.8 |        |
| 2983312 | NEC Corporation                                                                                     | 14/02/2014 | 2983312 | 14780356.3 |        |
| 2983603 | Apama Medical, Inc.                                                                                 | 08/04/2014 | 2983603 | 14782484.1 |        |
| 2984183 | Agency for Science, Technology and Research                                                         | 04/04/2014 | 2984183 | 14783008.7 |        |
| 2984344 | Dresser-Rand Company                                                                                | 07/04/2014 | 2984344 | 14782970.9 |        |
| 2985439 | Hamilton Sundstrand Corporation                                                                     | 11/08/2015 | 2985439 | 15180510.8 |        |
| 2985868 | IHI Corporation                                                                                     | 10/02/2014 | 2985868 | 14770475.3 |        |
| 2986282 | The Regents of the University of California                                                         | 18/04/2014 | 2986282 | 14785811.2 |        |
| 2986624 | Sage Therapeutics, Inc.                                                                             | 17/04/2014 | 2986624 | 14786089.4 |        |
| 2986705 | The Trustees of Columbia University in the City of New York                                         | 17/04/2014 | 2986705 | 14784780.0 |        |
| 2987026 | Andra Motion Technologies Inc.                                                                      | 04/04/2014 | 2987026 | 14779154.5 |        |
| 2987592 | KUKA Deutschland GmbH                                                                               | 14/08/2015 | 2987592 | 15181061.1 | German |
| 2988475 | Xiaomi Inc.                                                                                         | 21/08/2015 | 2988475 | 15182020.6 |        |
| 2989222 | Opened Joint Stock Company "United Chemical Company Uralchem"                                       | 08/11/2013 | 2989222 | 13879034.0 |        |
| 2989646 | Siemens Aktiengesellschaft                                                                          | 12/06/2014 | 2989646 | 14731577.4 | German |
| 2989681 | Fugro N.V.                                                                                          | 24/04/2013 | 2989681 | 13721418.5 |        |
| 2989810 | Cirrus Logic International Semiconductor Limited                                                    | 23/04/2014 | 2989810 | 14719827.9 |        |
| 2989885 | Kubota Corporation                                                                                  | 04/02/2014 | 2989885 | 14788098.3 |        |
| 2990112 | Maruzen Petrochemical Co., Ltd.<br>National Institute of Advanced Industrial Science and Technology | 22/04/2014 | 2990112 | 14788563.6 |        |
| 2990113 | Maruzen Petrochemical Co., Ltd.<br>NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY | 22/04/2014 | 2990113 | 14788232.8 |        |
| 2990921 | Samsung Electronics Co., Ltd.                                                                       | 06/08/2015 | 2990921 | 15179956.6 |        |

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|---------|-----------------------------------------------------------------|------------|---------|------------|--------|
| 2991445 | ELECTROLUX APPLIANCES<br>AKTIEBOLAG                             | 26/08/2014 | 2991445 | 14182299.9 |        |
| 2991605 | Knix Wear Inc.                                                  | 02/05/2014 | 2991605 | 14791015.2 |        |
| 2991644 | University of Maryland, Baltimore                               | 04/04/2014 | 2991644 | 14779540.5 |        |
| 2991666 | Momenta Pharmaceuticals, Inc.                                   | 01/05/2014 | 2991666 | 14792116.7 |        |
| 2992116 | Steinklauber Industriebeteiligung &<br>Vermögensverwaltung GmbH | 29/04/2014 | 2992116 | 14726504.5 | German |
| 2993079 | Weber, Heinz                                                    | 02/09/2015 | 2993079 | 15183548.5 | German |
| 2993346 | Taylor Intelligent Processes SL                                 | 16/08/2015 | 2993346 | 15382428.9 |        |
| 2993983 | Cedars-Sinai Medical Center                                     | 08/05/2014 | 2993983 | 14794410.2 |        |
| 2994066 | Creo Medical Limited                                            | 14/04/2014 | 2994066 | 14717848.7 |        |
| 2994824 | Ricoh Company, Ltd.                                             | 23/04/2014 | 2994824 | 14794997.8 |        |
| 2994973 | Otis Elevator Company                                           | 08/05/2013 | 2994973 | 13884172.1 |        |
| 2995767 | Flodim, SARL                                                    | 09/09/2014 | 2995767 | 14382335.9 |        |
| 2996177 | LG Chem, Ltd.                                                   | 09/05/2014 | 2996177 | 14794959.8 |        |
| 2996616 | Deutsches Zentrum für Luft- und<br>Raumfahrt e.V.               | 28/04/2014 | 2996616 | 14721310.2 | German |
| 2997443 | LG Electronics Inc.                                             | 01/07/2013 | 2997443 | 13884503.7 |        |
| 2997810 | Andreas Stihl AG & Co. KG                                       | 20/09/2014 | 2997810 | 14003264.0 | German |
| 2998334 | fischerwerke GmbH & Co. KG                                      | 08/09/2015 | 2998334 | 15401094.6 | German |
| 2999293 | NEC Corporation                                                 | 26/12/2013 | 2999293 | 13884680.3 |        |
| 2999310 | General Electric Company                                        | 10/09/2015 | 2999310 | 15184692.0 |        |
| 3000004 | Siemens Aktiengesellschaft                                      | 19/08/2014 | 3000004 | 14758798.4 | German |
| 3000582 | battenfeld-cincinnati Austria GmbH                              | 14/09/2015 | 3000582 | 15185144.1 | German |
| 3000925 | BSH Hausgeräte GmbH                                             | 02/09/2015 | 3000925 | 15183481.9 |        |
| 3001184 | Universitat de València                                         | 07/05/2014 | 3001184 | 14795283.2 |        |
| 3001726 | Huawei Technologies Co., Ltd.                                   | 13/06/2013 | 3001726 | 13886940.9 |        |
| 3001805 | Samsung Electronics Co., Ltd.                                   | 24/06/2014 | 3001805 | 14819440.0 |        |
| 3001968 | Covidien LP                                                     | 22/09/2015 | 3001968 | 15186319.8 |        |
| 3002106 | The Boeing Company                                              | 29/07/2015 | 3002106 | 15178866.8 |        |
| 3002270 | NGK Insulators, Ltd.                                            | 02/10/2015 | 3002270 | 15188204.0 |        |
| 3002905 | Huawei Technologies Co., Ltd.                                   | 01/07/2013 | 3002905 | 13888571.0 |        |
| 3002996 | Korea Basic Science Institute                                   | 01/06/2012 | 3002996 | 15191835.6 |        |
| 3003129 | OsteoSee Ltd.                                                   | 26/05/2014 | 3003129 | 14803750.0 |        |
| 3004474 | Henkel AG & Co. KGaA                                            | 07/04/2014 | 3004474 | 14716281.2 | German |
| 3004755 | Johnson Controls Technology Company                             | 30/10/2013 | 3004755 | 13792126.8 |        |
| 3004861 | Pierce Biotechnology, Inc.                                      | 06/06/2014 | 3004861 | 14806982.6 |        |

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| 3005543 | Siemens Aktiengesellschaft                                                                                                           | 15/07/2013 | 3005543 | 13741988.3 | German |
| 3006565 | THE GOVERNMENT OF THE<br>UNITED STATES OF AMERICA, as<br>represented by the Secretary,<br>Department of Health and Human<br>Services | 26/04/2010 | 3006565 | 15190562.7 |        |
| 3006707 | Innio Jenbacher GmbH & Co OG                                                                                                         | 28/09/2015 | 3006707 | 15002783.7 | German |
| 3006768 | Showa Corporation                                                                                                                    | 28/09/2015 | 3006768 | 15187041.7 |        |
| 3007416 | Samsung Electronics Co., Ltd.                                                                                                        | 09/10/2015 | 3007416 | 15189135.5 |        |
| 3007790 | Green Engineering S.r.l.                                                                                                             | 21/05/2014 | 3007790 | 14733331.4 |        |
| 3008672 | Microsoft Technology Licensing, LLC                                                                                                  | 28/05/2014 | 3008672 | 14736506.8 |        |
| 3008813 | Robert Bosch GmbH                                                                                                                    | 16/04/2014 | 3008813 | 14718077.2 | German |
| 3009140 | University of Tsukuba                                                                                                                | 10/06/2014 | 3009140 | 14810563.8 |        |
| 3010674 | SECO-E.P.B. (Société par Actions<br>Simplifiée)                                                                                      | 12/06/2014 | 3010674 | 14735612.5 | French |
| 3011319 | F.HOFFMANN-LA ROCHE AG<br>Hitachi High-Technologies Corporation                                                                      | 16/05/2014 | 3011319 | 14725140.9 |        |
| 3012937 | Hitachi, Ltd.                                                                                                                        | 21/06/2013 | 3012937 | 13887235.3 |        |
| 3013516 | TRUMPF Laser-und Systemtechnik<br>GmbH                                                                                               | 27/06/2014 | 3013516 | 14739351.6 | German |
| 3013906 | BASF SE                                                                                                                              | 19/06/2014 | 3013906 | 14733131.8 |        |
| 3014118 | The Boeing Company                                                                                                                   | 28/07/2014 | 3014118 | 14755465.3 |        |
| 3014634 | European Organization For Nuclear<br>Research Cern                                                                                   | 26/06/2014 | 3014634 | 14733185.4 |        |
| 3014813 | McAfee, LLC                                                                                                                          | 26/06/2014 | 3014813 | 14817920.3 |        |
| 3014944 | Nokia Solutions and Networks Oy                                                                                                      | 28/06/2013 | 3014944 | 13732918.1 |        |
| 3015695 | TOYOTA JIDOSHA KABUSHIKI<br>KAISHA                                                                                                   | 26/06/2013 | 3015695 | 13888353.3 |        |
| 3015865 | MCBI INC.<br>University of Tsukuba                                                                                                   | 28/06/2013 | 3015865 | 13888380.6 |        |
| 3016729 | Laboratoire Français du Fractionnement<br>et des Biotechnologies Société<br>Anonyme                                                  | 04/07/2014 | 3016729 | 14750552.3 | French |
| 3019075 | Edwards Lifesciences Corporation                                                                                                     | 08/07/2014 | 3019075 | 14822728.3 |        |
| 3019965 | LG Electronics Inc.                                                                                                                  | 08/08/2013 | 3019965 | 13889253.4 |        |
| 3020658 | Hanmi IT Co., Ltd.                                                                                                                   | 11/07/2014 | 3020658 | 14823303.4 |        |

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| 3021101 | Federal Institute for Materials Research<br>and Testing (BAM)<br>Technologiekontor Bremerhaven<br>GmbH<br>Feller, Oliver | 13/11/2014 | 3021101 | 14461588.7 |        |
| 3021132 | NXP B.V.                                                                                                                 | 10/11/2015 | 3021132 | 15193813.1 |        |
| 3021634 | BlackBerry Limited                                                                                                       | 31/10/2008 | 3021634 | 15185706.7 |        |
| 3023395 | Glaston Finland Oy                                                                                                       | 11/11/2015 | 3023395 | 15397538.8 |        |
| 3024021 | Shin-Etsu Chemical Co., Ltd.                                                                                             | 06/02/2013 | 3024021 | 15003520.2 |        |
| 3024463 | Neuren Pharmaceuticals Limited                                                                                           | 23/07/2014 | 3024463 | 14829224.6 |        |
| 3024486 | Ohio State Innovation Foundation                                                                                         | 23/07/2014 | 3024486 | 14828921.8 |        |
| 3024925 | Adaptive Symbiotic Technologies LLC                                                                                      | 25/07/2014 | 3024925 | 14748458.8 |        |
| 3024971 | Koninklijke Philips N.V.                                                                                                 | 16/07/2014 | 3024971 | 14739170.0 |        |
| 3025130 | Brüel & Kjaer Sound & Vibration<br>Measurement A/S                                                                       | 26/06/2014 | 3025130 | 14738760.9 |        |
| 3026270 | Nippon Oil Pump Co., Ltd.                                                                                                | 11/07/2014 | 3026270 | 14829898.7 |        |
| 3026429 | Hitachi High-Tech Science Corporation                                                                                    | 24/11/2015 | 3026429 | 15196104.2 |        |
| 3026529 | Samsung Electronics Co., Ltd.                                                                                            | 25/11/2015 | 3026529 | 15196334.5 |        |
| 3026906 | Renesas Electronics Corporation                                                                                          | 22/07/2013 | 3026906 | 13889853.1 |        |
| 3027142 | Oculentis Holding B.V.                                                                                                   | 28/07/2014 | 3027142 | 14753335.0 |        |
| 3027158 | Kimberly-Clark Worldwide, Inc.                                                                                           | 26/06/2014 | 3027158 | 14831157.4 |        |
| 3027171 | Gilead Connecticut, Inc.                                                                                                 | 29/07/2014 | 3027171 | 14752967.1 |        |
| 3027773 | President and Fellows of Harvard<br>College                                                                              | 30/07/2014 | 3027773 | 14831813.2 |        |
| 3028013 | Samsung Electronics Co., Ltd.                                                                                            | 12/12/2014 | 3028013 | 14872875.1 |        |
| 3028309 | Qualcomm Incorporated                                                                                                    | 12/06/2014 | 3028309 | 14736226.3 |        |
| 3029091 | Mitsubishi Chemical Corporation                                                                                          | 06/06/2014 | 3029091 | 14832935.2 |        |
| 3029105 | Minebea Co., Ltd.                                                                                                        | 31/07/2014 | 3029105 | 14832161.5 |        |
| 3029366 | Salin, Roberto                                                                                                           | 27/11/2015 | 3029366 | 15196642.1 | German |
| 3030300 | Fisher & Paykel Healthcare Limited                                                                                       | 05/08/2014 | 3030300 | 14834406.2 |        |
| 3030467 | Jaguar Land Rover Limited                                                                                                | 29/07/2014 | 3030467 | 14745125.6 |        |
| 3030955 | Sony Corporation                                                                                                         | 29/07/2014 | 3030955 | 14753315.2 |        |
| 3031966 | NIKE Innovate C.V.                                                                                                       | 19/02/2013 | 3031966 | 15202457.6 |        |
| 3032089 | Continental Automotive GmbH                                                                                              | 12/12/2014 | 3032089 | 14197522.7 |        |
| 3032129 | Safran Landing Systems                                                                                                   | 17/11/2015 | 3032129 | 15195046.6 | French |
| 3032305 | Valeo Comfort and Driving Assistance                                                                                     | 09/12/2015 | 3032305 | 15198657.7 | German |
| 3032450 | Ingenico Group                                                                                                           | 25/11/2015 | 3032450 | 15196381.6 | French |

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| 3032820 | Sony Interactive Entertainment Inc.                                  | 17/09/2014 | 3032820 | 14846437.3 |        |
| 3033162 | Forschungszentrum Jülich GmbH                                        | 12/07/2014 | 3033162 | 14754989.3 | German |
| 3034162 | Kaneka Corporation                                                   | 11/08/2014 | 3034162 | 14836781.6 |        |
|         | National Institute of Advanced<br>Industrial Science and Technology  |            |         |            |        |
| 3035303 | Wincor Nixdorf International GmbH                                    | 17/12/2014 | 3035303 | 14198680.2 | German |
| 3035409 | LG Chem, Ltd.                                                        | 04/09/2014 | 3035409 | 14849591.4 |        |
| 3035585 | NXP B.V.                                                             | 30/11/2015 | 3035585 | 15197131.4 |        |
| 3035731 | China Academy of Telecommunications<br>Technology                    | 13/08/2014 | 3035731 | 14836270.0 |        |
| 3035860 | Globus Medical, Inc.                                                 | 15/09/2014 | 3035860 | 14901821.0 |        |
| 3035939 | F. Hoffmann-La Roche AG                                              | 12/08/2014 | 3035939 | 14750486.4 |        |
| 3036018 | Airwave Limited                                                      | 22/08/2014 | 3036018 | 14838139.5 |        |
| 3036530 | University of Houston                                                | 15/08/2014 | 3036530 | 14838037.1 |        |
| 3036880 | Cisco Technology, Inc.                                               | 15/08/2014 | 3036880 | 14766251.4 |        |
| 3037006 | BEL                                                                  | 22/10/2013 | 3037006 | 16155027.2 | French |
| 3038530 | Capnia, Inc.                                                         | 29/08/2014 | 3038530 | 14839697.1 |        |
| 3038580 | The Procter & Gamble Company                                         | 25/08/2014 | 3038580 | 14761513.2 |        |
| 3038779 | Hilti Aktiengesellschaft                                             | 12/08/2014 | 3038779 | 14750721.4 | German |
| 3038961 | Schenck Process Europe GmbH                                          | 27/08/2014 | 3038961 | 14757845.4 | German |
| 3039185 | Multi Packaging Solutions UK Limited                                 | 01/09/2014 | 3039185 | 14780770.5 |        |
| 3039829 | Hubbell Incorporated                                                 | 28/08/2014 | 3039829 | 14840318.1 |        |
| 3040894 | Toshiba Tec Kabushiki Kaisha                                         | 09/10/2015 | 3040894 | 15189151.2 |        |
| 3040899 | Facebook, Inc.                                                       | 20/07/2015 | 3040899 | 15177460.1 |        |
| 3041015 | General Electric Technology GmbH                                     | 05/01/2015 | 3041015 | 15150074.1 |        |
| 3041928 | Korea Research Institute of Bioscience<br>and Biotechnology          | 23/04/2015 | 3041928 | 15721111.1 |        |
| 3043081 | Beijing Goldwind Science & Creation<br>Windpower Equipment Co., Ltd. | 10/12/2014 | 3043081 | 14877768.3 |        |
| 3043097 | United Technologies Corporation                                      | 06/01/2016 | 3043097 | 16150336.2 |        |
| 3043129 | LG Electronics Inc.                                                  | 08/12/2015 | 3043129 | 15198419.2 |        |
| 3043530 | Huawei Technologies Co., Ltd.                                        | 19/11/2014 | 3043530 | 14867548.1 |        |
| 3043811 | The Texas A&M University System                                      | 10/09/2014 | 3043811 | 14843936.7 |        |
| 3043908 | Commissariat à l'Énergie Atomique et<br>aux Énergies Alternatives    | 28/08/2014 | 3043908 | 14765884.3 | French |
| 3044430 | Florida Turbine Technologies, Inc.                                   | 11/09/2014 | 3044430 | 14772536.0 |        |
| 3045062 | NIKE Innovate C.V.                                                   | 20/10/2010 | 3045062 | 16156118.8 |        |

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|----------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|-------------------|---------|-------------------|
| 3045152                                                                    | Pohlig GmbH                                                                                                       | 18/01/2016        | 3045152 | 16151723.0 German |
| 3045318                                                                    | SATO HOLDINGS KABUSHIKI<br>KAISHA                                                                                 | 12/09/2014        | 3045318 | 14844722.0        |
| 3045462                                                                    | Centrum Badan Molekularnych I<br>Makromolekularnych Pan                                                           | 31/10/2014        | 3045462 | 14460079.8        |
| 3045485                                                                    | Wanhua Chemical (Guangdong) Co.,<br>Ltd.<br>Wanhua Chemical (Ningbo) Co., Ltd.<br>Wanhua Chemical Group Co., Ltd. | 26/09/2013        | 3045485 | 13893530.9        |
| 3045497                                                                    | Riken Technos Corporation                                                                                         | 12/08/2014        | 3045497 | 14844477.1        |
| 3045556                                                                    | Sumihatsu Co., Ltd.<br>JFE Steel Corporation<br>NHK Spring Co., Ltd.                                              | 11/09/2014        | 3045556 | 14844852.5        |
| 3045949                                                                    | LG Innotek Co., Ltd.                                                                                              | 13/01/2016        | 3045949 | 16150980.7        |
| 3046709                                                                    | Hilti Aktiengesellschaft                                                                                          | 16/09/2014        | 3046709 | 14766176.3 German |
| 3046824                                                                    | Siemens Mobility GmbH                                                                                             | 25/11/2014        | 3046824 | 14808543.4 German |
| 3047356                                                                    | Microsoft Technology Licensing, LLC                                                                               | 18/09/2014        | 3047356 | 14781755.5        |
| 3047458                                                                    | Novomatic AG                                                                                                      | 19/09/2014        | 3047458 | 14776579.6 German |
| 3047953                                                                    | Brose Fahrzeugteile GmbH & Co.<br>Kommanditgesellschaft, Bamberg                                                  | 11/07/2014        | 3047953 | 16150277.8 German |
| 3048184                                                                    | JX Nippon Mining & Metals<br>Corporation                                                                          | 20/02/2015        | 3048184 | 15769919.0        |
| 3048342                                                                    | United Technologies Corporation                                                                                   | 19/01/2016        | 3048342 | 16151954.1        |
| 3048807                                                                    | Covidien LP                                                                                                       | 14/01/2016        | 3048807 | 16151211.6        |
| 3049440                                                                    | Amgen Inc.                                                                                                        | 25/09/2014        | 3049440 | 14782039.3        |
| 3049669                                                                    | Pellegrin, Philippe                                                                                               | 22/09/2014        | 3049669 | 14784322.1 French |
| 3049681                                                                    | SFS Intec Holding AG                                                                                              | 20/08/2014        | 3049681 | 14753251.9 German |
| 3050392                                                                    | Nokia Solutions and Networks Oy                                                                                   | 24/09/2014        | 3050392 | 14772336.5        |
| 3050668                                                                    | United Technologies Corporation                                                                                   | 28/01/2016        | 3050668 | 16153085.2        |
| 3050722                                                                    | The Yokohama Rubber Co., Ltd.                                                                                     | 15/04/2014        | 3050722 | 14847704.5        |
| 3050737                                                                    | Hyster-Yale Group, Inc.                                                                                           | 26/01/2016        | 3050737 | 16152695.9        |
| 3050955                                                                    | The Procter & Gamble Company                                                                                      | 02/02/2015        | 3050955 | 15153518.4        |
| 3051429                                                                    | FUJITSU LIMITED                                                                                                   | 27/01/2016        | 3051429 | 16152927.6        |
| 3052247                                                                    | Exel Industries S.A.                                                                                              | 30/09/2014        | 3052247 | 14781615.1        |
| 3052415                                                                    | Robert Bosch GmbH                                                                                                 | 12/09/2014        | 3052415 | 14762044.7 German |
| 3052843                                                                    | MSA Europe GmbH                                                                                                   | 01/10/2014        | 3052843 | 14796429.0        |
| 3052906                                                                    | FMC Kongsberg Subsea AS                                                                                           | 01/10/2014        | 3052906 | 14850813.8        |

|         |                                       |            |         |            |        |
|---------|---------------------------------------|------------|---------|------------|--------|
| 3053873 | Standeker, Elke                       | 15/12/2014 | 3053873 | 16161762.6 | German |
| 3054027 | Fuji Kihan Co., Ltd                   | 07/01/2016 | 3054027 | 16150444.4 |        |
| 3054046 | LG Electronics Inc.                   | 02/11/2010 | 3054046 | 16158602.9 |        |
| 3054183 | Sanwa Techno Co., Ltd                 | 04/10/2013 | 3054183 | 13894977.1 |        |
|         | Shoji, Susumu                         |            |         |            |        |
| 3054392 | Toshiba TEC Kabushiki Kaisha          | 09/02/2016 | 3054392 | 16154897.9 |        |
| 3054476 | Thermo Finnigan LLC                   | 03/02/2016 | 3054476 | 16154127.1 |        |
| 3054596 | AutoNetworks Technologies, Ltd.       | 10/11/2014 | 3054596 | 14862220.2 |        |
|         | Sumitomo Wiring Systems, Ltd.         |            |         |            |        |
|         | Sumitomo Electric Industries, Ltd.    |            |         |            |        |
| 3054647 | Alcatel Lucent                        | 03/02/2015 | 3054647 | 15290025.4 |        |
| 3054649 | Intel Corporation                     | 14/02/2012 | 3054649 | 16163445.6 |        |
| 3054736 | LG Electronics Inc.                   | 04/07/2014 | 3054736 | 14850774.2 |        |
| 3054807 | Reckitt Benckiser Health Limited      | 09/10/2014 | 3054807 | 14784359.3 |        |
| 3055154 | TOYOTA JIDOSHA KABUSHIKI              | 01/10/2014 | 3055154 | 14802120.7 |        |
|         | KAISHA                                |            |         |            |        |
| 3055587 | TOYOTA JIDOSHA KABUSHIKI              | 03/10/2014 | 3055587 | 14792584.6 |        |
|         | KAISHA                                |            |         |            |        |
| 3055642 | Mecos AG                              | 26/09/2014 | 3055642 | 14777075.4 |        |
| 3055940 | Qualcomm Incorporated                 | 07/10/2014 | 3055940 | 14808743.0 |        |
| 3056738 | Chou, Wen-San                         | 05/02/2016 | 3056738 | 16154568.6 |        |
| 3057254 | FUJI Corporation                      | 11/10/2013 | 3057254 | 13895290.8 |        |
| 3057337 | Oticon A/S                            | 05/02/2016 | 3057337 | 16154471.3 |        |
| 3057521 | Boston Scientific Scimed, Inc.        | 16/10/2014 | 3057521 | 14789750.8 |        |
| 3057800 | Hewlett-Packard Development           | 14/10/2013 | 3057800 | 13774711.9 |        |
|         | Company, L.P.                         |            |         |            |        |
| 3057902 | Cobianchi Lifteile AG                 | 10/10/2014 | 3057902 | 14784041.7 | German |
| 3057930 | SWIMC LLC                             | 16/10/2014 | 3057930 | 14789746.6 |        |
| 3058030 | Equistar Chemicals LP                 | 15/10/2014 | 3058030 | 14853565.1 |        |
| 3058087 | Life Technologies Corporation         | 15/09/2014 | 3058087 | 14781344.8 |        |
| 3058091 | The Broad Institute, Inc.             | 17/10/2014 | 3058091 | 14792688.5 |        |
|         | Massachusetts Institute of Technology |            |         |            |        |
| 3058299 | GEA Process Engineering A/S           | 18/10/2013 | 3058299 | 13782951.1 |        |
| 3058782 | Huawei Technologies Co., Ltd.         | 15/12/2014 | 3058782 | 14871017.1 |        |
| 3058795 | Tridonic GmbH & Co. KG                | 16/10/2014 | 3058795 | 14784478.1 | German |
|         | Tridonic Jennersdorf GmbH             |            |         |            |        |
| 3058841 | Zhejiang Paiter Electric Co., Ltd.    | 13/08/2014 | 3058841 | 14819838.5 |        |



|         |                                                                                    |            |         |            |        |
|---------|------------------------------------------------------------------------------------|------------|---------|------------|--------|
| 3059513 | Gree Electric Appliances, Inc. of Zhuhai                                           | 09/09/2014 | 3059513 | 14852199.0 |        |
| 3059666 | HiDeep Inc.                                                                        | 31/07/2015 | 3059666 | 16153159.5 |        |
| 3059813 | Shanutec (Shanghai) Co., Ltd.                                                      | 27/01/2015 | 3059813 | 15786494.3 |        |
| 3059998 | ZTE Corporation                                                                    | 08/05/2014 | 3059998 | 14794796.4 |        |
| 3060184 | The Procter & Gamble Company                                                       | 23/10/2014 | 3060184 | 14795737.7 |        |
| 3060832 | AVOX Systems Inc.                                                                  | 21/10/2014 | 3060832 | 14856692.0 |        |
| 3060842 | ZKW Group GmbH                                                                     | 20/10/2014 | 3060842 | 14805168.3 | German |
| 3061504 | Sony Interactive Entertainment Inc.                                                | 12/02/2016 | 3061504 | 16155409.2 |        |
| 3061625 | Sumitomo Rubber Industries, Ltd.                                                   | 02/10/2014 | 3061625 | 14862286.3 |        |
| 3062448 | Lantiq Beteiligungs-GmbH & Co. KG                                                  | 04/02/2016 | 3062448 | 16154266.7 |        |
| 3062502 | The University of Tokyo                                                            | 16/10/2014 | 3062502 | 14855430.6 |        |
| 3063282 | Novozymes A/S                                                                      | 10/09/2014 | 3063282 | 14844456.5 |        |
| 3064365 | CHINA BANKNOTE INK CO., LTD.<br>CHINA BANKNOTE PRINTING<br>AND MINTING CORPORATION | 31/10/2014 | 3064365 | 14857393.4 |        |
| 3064396 | Lee, Myungjoo                                                                      | 27/08/2014 | 3064396 | 14857468.4 |        |
| 3064772 | Chou, Wen-San                                                                      | 05/02/2016 | 3064772 | 16154569.4 |        |
| 3064776 | Mitsubishi Electric Corporation                                                    | 29/10/2013 | 3064776 | 13896431.7 |        |
| 3065169 | International Business Machines Corporation                                        | 23/02/2016 | 3065169 | 16156989.2 |        |
| 3066564 | Amazon Technologies, Inc.                                                          | 31/10/2014 | 3066564 | 14860270.9 |        |
| 3066641 | Brainlab AG                                                                        | 05/11/2013 | 3066641 | 13788953.1 |        |
| 3066932 | VEMAG Maschinenbau GmbH                                                            | 09/03/2016 | 3066932 | 16159397.5 | German |
| 3067046 | Insmed Incorporated                                                                | 05/12/2006 | 3067046 | 16156099.0 |        |
| 3067401 | AGC Inc.                                                                           | 31/10/2014 | 3067401 | 14860412.7 |        |
| 3067587 | ZF Friedrichshafen AG                                                              | 08/02/2016 | 3067587 | 16154592.6 |        |
| 3067629 | Viessmann Werke GmbH & Co. KG                                                      | 07/03/2016 | 3067629 | 16158935.3 | German |
| 3067813 | Kabushiki Kaisha Toshiba                                                           | 03/02/2016 | 3067813 | 16154033.1 |        |
| 3068061 | Samsung Electronics Co., Ltd.                                                      | 10/11/2014 | 3068061 | 14859528.3 |        |
| 3069219 | Dell Products, L.P.                                                                | 12/11/2014 | 3069219 | 14862887.8 |        |
| 3069846 | Dai Nippon Printing Co., Ltd.                                                      | 13/11/2014 | 3069846 | 14861509.9 |        |
| 3071030 | Kizhakkedathu, Jayachandran<br>Du, Caigan<br>Brooks, Donald<br>Nguan, Christopher  | 21/11/2014 | 3071030 | 14863795.2 |        |
| 3071444 | Adient Luxembourg Holding S.à r.l.                                                 | 18/11/2014 | 3071444 | 14809207.5 |        |

|         |                                                                         |            |         |            |        |
|---------|-------------------------------------------------------------------------|------------|---------|------------|--------|
| 3072555 | The Trustees of Columbia University in<br>the City of New York          | 31/08/2012 | 3072555 | 16163993.5 |        |
| 3072625 | NTN Corporation                                                         | 14/11/2014 | 3072625 | 14864721.7 |        |
| 3072790 | Venturelli, Massimo                                                     | 23/10/2015 | 3072790 | 15191312.6 |        |
| 3073453 | Wincor Nixdorf International GmbH                                       | 27/03/2015 | 3073453 | 15161395.7 | German |
| 3073620 | Ningbo Yinzhou Hengtai<br>Electromechanical Co. Ltd.                    | 03/07/2014 | 3073620 | 14863416.5 |        |
| 3073935 | PFM Medical AG                                                          | 24/11/2014 | 3073935 | 14805533.8 | German |
| 3074543 | Valeo Schalter und Sensoren GmbH                                        | 03/11/2014 | 3074543 | 14795602.3 | German |
| 3074678 | NISSAN MOTOR CO., LTD.                                                  | 15/11/2014 | 3074678 | 14799350.5 |        |
| 3076178 | School Juridical Person Higashi-<br>Nippon-Gakuen<br>Sysmex Corporation | 31/03/2016 | 3076178 | 16163204.7 |        |
| 3076632 | Xiaomi Inc.                                                             | 18/12/2015 | 3076632 | 15201432.0 |        |
| 3076652 | Seiko Epson Corporation                                                 | 06/07/2012 | 3076652 | 16170685.8 |        |
| 3078805 | General Electric Company                                                | 05/04/2016 | 3078805 | 16163830.9 |        |
| 3079094 | Juniper Networks, Inc.                                                  | 23/09/2015 | 3079094 | 15186539.1 |        |
| 3079177 | Toshiba Hokuto Electronics<br>Corporation                               | 01/12/2014 | 3079177 | 14868690.0 |        |
| 3079253 | Mitsubishi Electric Corporation                                         | 02/10/2014 | 3079253 | 14867958.2 |        |
| 3079282 | BlackBerry Limited                                                      | 07/04/2016 | 3079282 | 16164335.8 |        |
| 3079912 | EOS GmbH Electro Optical Systems                                        | 16/12/2014 | 3079912 | 14824420.5 |        |
| 3080801 | Cirrus Logic, Inc.                                                      | 13/10/2014 | 3080801 | 14792675.2 |        |
| 3081706 | HALFEN GmbH                                                             | 18/04/2015 | 3081706 | 15001142.7 | German |
| 3081713 | Keystone Lintels Limited                                                | 15/10/2015 | 3081713 | 15190044.6 |        |
| 3081827 | ContiTech Luftfedersysteme GmbH                                         | 16/04/2015 | 3081827 | 15290106.2 | German |
| 3082006 | Samsung Electronics Co., Ltd.                                           | 18/04/2016 | 3082006 | 16165734.1 |        |
| 3082440 | Société des Produits Nestlé S.A.                                        | 16/12/2014 | 3082440 | 14812531.3 |        |
| 3082443 | Société des Produits Nestlé S.A.                                        | 11/12/2014 | 3082443 | 14811867.2 |        |
| 3082517 | Inter IKEA Systems B.V.                                                 | 19/12/2014 | 3082517 | 14815754.8 |        |
| 3083225 | Airbus Operations GmbH                                                  | 17/12/2014 | 3083225 | 14825125.9 |        |
| 3083291 | Bridgestone Americas Tire Operations,<br>LLC                            | 10/12/2014 | 3083291 | 14872657.3 |        |
| 3083402 | Safran Seats USA LLC                                                    | 17/12/2014 | 3083402 | 14825034.3 |        |
| 3083811 | Compagnie Générale des<br>Etablissements Michelin                       | 03/12/2014 | 3083811 | 14806285.4 | French |

|         |                                                                                                                  |            |         |            |        |
|---------|------------------------------------------------------------------------------------------------------------------|------------|---------|------------|--------|
| 3083873 | Covestro LLC<br>Ecolab USA Inc.                                                                                  | 11/12/2014 | 3083873 | 14824258.9 |        |
| 3084345 | Centre National de la Recherche<br>Scientifique<br>Institut d'Optique Graduate School<br>Universite Paris-Sud 11 | 19/12/2014 | 3084345 | 14827756.9 | French |
| 3084389 | Schlumberger Technology B.V.                                                                                     | 18/12/2014 | 3084389 | 14871771.3 |        |
| 3084761 | Nokia Technologies Oy                                                                                            | 17/12/2013 | 3084761 | 13899497.5 |        |
| 3085030 | NEC Corporation                                                                                                  | 17/12/2014 | 3085030 | 14873041.9 |        |
| 3085637 | Asahi Kasei Kabushiki Kaisha                                                                                     | 15/12/2014 | 3085637 | 14872297.8 |        |
| 3085694 | Gilead Sciences, Inc.                                                                                            | 29/06/2012 | 3085694 | 16169306.4 |        |
| 3086286 | United Technologies Corporation                                                                                  | 19/04/2016 | 3086286 | 16166082.4 |        |
| 3086521 | Huawei Technologies Co., Ltd.                                                                                    | 28/01/2014 | 3086521 | 14880418.0 |        |
| 3086829 | Glenmark Pharmaceuticals Limited                                                                                 | 23/12/2014 | 3086829 | 14836974.7 |        |
| 3087321 | General Electric Company                                                                                         | 23/12/2014 | 3087321 | 14879262.5 |        |
| 3087470 | Intel Corporation                                                                                                | 28/12/2013 | 3087470 | 13900536.7 |        |
| 3087694 | Qualcomm Incorporated                                                                                            | 18/12/2014 | 3087694 | 14827947.4 |        |
| 3088212 | Continental Reifen Deutschland GmbH                                                                              | 28/01/2016 | 3088212 | 16153056.3 | German |
| 3088395 | Gilead Sciences, Inc.                                                                                            | 29/06/2012 | 3088395 | 16169333.8 |        |
| 3088449 | Rimtec Corporation                                                                                               | 17/12/2014 | 3088449 | 14875625.7 |        |
| 3088604 | Valmet Technologies Oy                                                                                           | 27/04/2016 | 3088604 | 16167211.8 |        |
| 3089124 | ATEC AP Co., Ltd.                                                                                                | 26/04/2016 | 3089124 | 16167023.7 |        |
| 3089140 | Sony Corporation                                                                                                 | 12/12/2014 | 3089140 | 14874000.4 |        |
| 3089290 | NGK Spark Plug Co., Ltd.                                                                                         | 25/12/2014 | 3089290 | 14874467.5 |        |
| 3089983 | Robin, Jean-Pierre<br>Radosevic, Nina<br>Blanchard, Julie<br>Roisnel, Thierry<br>Bataille, Thierry               | 30/12/2014 | 3089983 | 14821671.6 |        |
| 3090438 | ASML Netherlands B.V.                                                                                            | 22/12/2014 | 3090438 | 14819003.6 |        |
| 3090794 | Huber SE                                                                                                         | 25/04/2016 | 3090794 | 16166876.9 | German |
| 3090828 | Kawasaki Jukogyo Kabushiki Kaisha                                                                                | 27/12/2013 | 3090828 | 13900251.3 |        |
| 3091365 | Aps Solutions GmbH<br>BE Precision Technology                                                                    | 08/05/2015 | 3091365 | 15166908.2 |        |
| 3091426 | Samsung Electronics Co., Ltd.                                                                                    | 24/12/2014 | 3091426 | 14876874.0 |        |
| 3091606 | NXP B.V.                                                                                                         | 18/04/2016 | 3091606 | 16165720.0 |        |
| 3091902 | Glucovista, Inc.                                                                                                 | 12/01/2015 | 3091902 | 15702046.2 |        |

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|---------|----------------------------------------------------------------------|------------|---------|------------|--------|
| 3092133 | Unilin, BVBA                                                         | 06/01/2015 | 3092133 | 15701839.1 |        |
| 3092644 | Sony Corporation                                                     | 10/01/2014 | 3092644 | 14704389.7 |        |
| 3092711 | Moteurs Leroy-Somer                                                  | 19/12/2014 | 3092711 | 14833242.2 | French |
| 3092971 | Work for Smile GmbH                                                  | 17/05/2016 | 3092971 | 16169943.4 | German |
| 3093565 | Naver Business Platform Corp.                                        | 05/12/2014 | 3093565 | 14877112.4 |        |
| 3093721 | Yokogawa Electric Corporation                                        | 26/04/2016 | 3093721 | 16167117.7 |        |
| 3093849 | Hangzhou Hikvision Digital Technology Co., Ltd.                      | 05/02/2016 | 3093849 | 16154512.4 |        |
| 3094158 | Türk & Hillinger GmbH                                                | 03/05/2016 | 3094158 | 16168183.8 | German |
| 3094167 | Vertiv Corporation                                                   | 16/04/2012 | 3094167 | 16171689.9 |        |
| 3094411 | United Technologies Corporation                                      | 15/01/2015 | 3094411 | 15737134.5 |        |
| 3094818 | Landmark Graphics Corporation                                        | 12/03/2015 | 3094818 | 15761016.3 |        |
| 3094976 | Minomic International Ltd.                                           | 16/01/2015 | 3094976 | 15737205.3 |        |
| 3095007 | E Ink California, LLC                                                | 13/01/2015 | 3095007 | 15737734.2 |        |
| 3095411 | Ivoclar Vivadent AG                                                  | 22/05/2015 | 3095411 | 15168860.3 | German |
| 3095793 | GENENTECH, INC.                                                      | 24/06/2004 | 3095793 | 16164203.8 |        |
| 3096596 | Omron Corporation                                                    | 07/01/2015 | 3096596 | 15737258.2 |        |
| 3097446 | NKT HV Cables AB                                                     | 09/04/2014 | 3097446 | 14715935.4 |        |
| 3097830 | Thumfart, Michael                                                    | 25/05/2016 | 3097830 | 16171210.4 | German |
| 3098218 | Gilead Sciences, Inc.                                                | 29/06/2012 | 3098218 | 16169320.5 |        |
| 3098529 | Carrier Corporation                                                  | 25/05/2016 | 3098529 | 16171315.1 |        |
| 3098580 | Ishida Co., Ltd.                                                     | 15/01/2015 | 3098580 | 15737190.7 |        |
| 3099113 | Sharp Kabushiki Kaisha                                               | 12/12/2014 | 3099113 | 14880194.7 |        |
| 3099289 | Fresenius Kabi Deutschland GmbH                                      | 28/01/2015 | 3099289 | 15703511.4 |        |
| 3099626 | Xtreme Manufacturing, LLC                                            | 27/01/2015 | 3099626 | 15740324.7 |        |
| 3099736 | Lion Copolymer Geismar, LLC                                          | 22/01/2015 | 3099736 | 15739842.1 |        |
| 3100149 | Dayco IP Holdings, LLC                                               | 28/01/2015 | 3100149 | 15742572.9 |        |
| 3100273 | Hewlett-Packard Development Company, L.P.                            | 31/01/2014 | 3100273 | 14881146.6 |        |
| 3100503 | Telefonaktiebolaget LM Ericsson (publ)                               | 23/01/2015 | 3100503 | 15704609.5 |        |
| 3101296 | Valeo Embrayages                                                     | 23/05/2016 | 3101296 | 16170903.5 | French |
| 3101681 | Shin-Etsu Chemical Co., Ltd.                                         | 21/01/2015 | 3101681 | 15743005.9 |        |
| 3102090 | University of Southern California California Institute of Technology | 04/02/2015 | 3102090 | 15746771.3 |        |
| 3102187 | Galenicum Health S.L.                                                | 03/02/2015 | 3102187 | 15702266.6 |        |
| 3102225 | Novira Therapeutics Inc.                                             | 05/02/2015 | 3102225 | 15746664.0 |        |
| 3102246 | Genzyme Corporation                                                  | 06/02/2015 | 3102246 | 15706595.4 |        |

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| 3102259      | UNL Holdings LLC                                                                                                                             | 03/02/2015                                                    | 3102259 | 15703442.2 |        |
| 3102623      | Hexcel Composites Limited                                                                                                                    | 06/02/2015                                                    | 3102623 | 15705544.3 |        |
| 3102627      | Dow Global Technologies LLC                                                                                                                  | 09/02/2015                                                    | 3102627 | 15706603.6 |        |
| 3102953      | QBD (QS-IP) Limited                                                                                                                          | 06/02/2015                                                    | 3102953 | 15705367.9 |        |
| 3102973      | CNAM Conservatoire National des Arts<br>des Metiers<br>Chambre de Commerce et d'Industrie de<br>Région Paris Ile de France (ESIEE<br>Paris)  | 06/02/2015                                                    | 3102973 | 15704763.0 | French |
| 3103046      | Immunexpress Pty Ltd                                                                                                                         | 06/02/2015                                                    | 3103046 | 15746053.6 |        |
| 3103824      | Mitsui Chemicals, Inc.                                                                                                                       | 05/02/2015                                                    | 3103824 | 15746385.2 |        |
| 3104428      | Idemitsu Kosan Co., Ltd                                                                                                                      | 10/06/2010                                                    | 3104428 | 16178014.3 |        |
| 3104549      | Samsung Electronics Co., Ltd.                                                                                                                | 27/01/2015                                                    | 3104549 | 15746422.3 |        |
| 3104565      | Institut Mines-Télécom                                                                                                                       | 12/06/2015                                                    | 3104565 | 15305910.0 |        |
| 3104880      | MacroGenics, Inc.                                                                                                                            | 11/02/2015                                                    | 3104880 | 15748950.1 |        |
| 3105016      | Tyco Electronics (Shanghai) Co. Ltd.<br>TE Connectivity Corporation                                                                          | 30/01/2015                                                    | 3105016 | 15703109.7 |        |
| 3105026      | Arkema France                                                                                                                                | 11/02/2015                                                    | 3105026 | 15709242.0 | French |
| 3105266      | Univation Technologies, LLC                                                                                                                  | 10/02/2015                                                    | 3105266 | 15705884.3 |        |
| 3105319      | Institut Curie<br>INSERM (Institut National de la Santé<br>et de la Recherche Médicale)                                                      | 10/02/2015                                                    | 3105319 | 15703778.9 |        |
| 3105340      | The Board of Trustees of the Leland<br>Stanford Junior University                                                                            | 11/02/2015                                                    | 3105340 | 15748477.5 |        |
| 3105413      | Owen Oil Tools L.P.                                                                                                                          | 12/02/2015                                                    | 3105413 | 15748841.2 |        |
| 3105821      | Sumitomo Electric Industries, Ltd.<br>TOYOTA JIDOSHA KABUSHIKI<br>KAISHA<br>Sumitomo Wiring Systems, Ltd.<br>AutoNetworks Technologies, Ltd. | 10/02/2015                                                    | 3105821 | 15707416.2 |        |
| 3105918      | Raytheon Company                                                                                                                             | 14/02/2014                                                    | 3105918 | 14712802.9 |        |
| 3106117      | Covidien LP                                                                                                                                  | 17/06/2016                                                    | 3106117 | 16175122.7 |        |
| 3106135      | S&G Biotech, Inc.                                                                                                                            | 09/07/2014                                                    | 3106135 | 14887618.8 |        |
| 3106388      | Hamilton Sundstrand Corporation                                                                                                              | 20/06/2016                                                    | 3106388 | 16175339.7 |        |
| 3106618      | General Electric Company                                                                                                                     | 13/06/2016                                                    | 3106618 | 16174145.9 |        |
| 3106959      | Parrot Drones                                                                                                                                | 06/06/2016                                                    | 3106959 | 16173188.0 | French |
| 3107180      | Makita Corporation                                                                                                                           | 06/06/2016                                                    | 3107180 | 16173163.3 |        |

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|---------|-------------------------------------------------------------------------------------------|------------|---------|------------|--------|
| 3107893 | Merck Patent GmbH                                                                         | 18/02/2015 | 3107893 | 15705500.5 | German |
| 3107998 | The Trustees of The University of Pennsylvania<br>The Children's Hospital of Philadelphia | 27/01/2015 | 3107998 | 15739998.1 |        |
| 3108447 | Children's National Medical Center                                                        | 18/02/2015 | 3108447 | 15749662.1 |        |
| 3108543 | Cinch Connectivity Solutions, Inc.                                                        | 20/02/2015 | 3108543 | 15752878.7 |        |
| 3109552 | Mitsubishi Hitachi Power Systems, Ltd.                                                    | 23/06/2016 | 3109552 | 16175903.0 |        |
| 3109899 | 3D Plus                                                                                   | 23/06/2016 | 3109899 | 16175880.0 | French |
| 3110000 | Mitsubishi Electric Corporation                                                           | 17/02/2014 | 3110000 | 14882288.5 |        |
| 3110168 | Apple Inc.                                                                                | 17/06/2013 | 3110168 | 16173470.2 |        |
| 3110175 | Oticon A/S                                                                                | 23/06/2016 | 3110175 | 16176064.0 |        |
| 3110272 | Cupid Foundations, Inc.                                                                   | 25/02/2015 | 3110272 | 15708418.7 |        |
| 3110579 | Tox Pressotechnik GmbH & Co. KG                                                           | 18/12/2014 | 3110579 | 14825307.3 | German |
| 3111059 | Siemens Aktiengesellschaft                                                                | 16/04/2015 | 3111059 | 15716068.0 | German |
| 3111297 | Microsoft Technology Licensing, LLC                                                       | 25/02/2015 | 3111297 | 15711919.9 |        |
| 3112165 | Brother Kogyo Kabushiki Kaisha                                                            | 01/07/2015 | 3112165 | 15174888.6 |        |
| 3114819 | Microsoft Technology Licensing, LLC                                                       | 22/04/2015 | 3114819 | 15720178.1 |        |
| 3115194 | Flooring Industries Limited, SARL                                                         | 28/04/2011 | 3115194 | 16184900.5 |        |
| 3116033 | FUJIFILM Corporation                                                                      | 26/02/2015 | 3116033 | 15758615.7 |        |
| 3116219 | Samsung Electronics Co., Ltd.                                                             | 03/06/2016 | 3116219 | 16172983.5 |        |
| 3116831 | Ecolab USA Inc.                                                                           | 17/02/2015 | 3116831 | 15762426.3 |        |
| 3117165 | Millrock Technology, Inc.                                                                 | 18/09/2014 | 3117165 | 14885084.5 |        |
| 3117658 | Intel Corporation                                                                         | 11/02/2015 | 3117658 | 15762046.9 |        |
| 3118957 | Stiatti, Anna<br>Stiatti, Matteo Maria<br>Stiatti, Alberto                                | 13/07/2016 | 3118957 | 16179229.6 |        |
| 3119136 | Microsoft Technology Licensing, LLC                                                       | 01/02/2013 | 3119136 | 16184375.0 |        |
| 3119382 | Greenpharma<br>Bioalternatives                                                            | 18/03/2015 | 3119382 | 15715346.1 | French |
| 3119507 | Sartorius Stedim North America Inc.                                                       | 12/12/2014 | 3119507 | 14859335.3 |        |
| 3120679 | Polyor SARL                                                                               | 18/07/2016 | 3120679 | 16179846.7 | French |
| 3120890 | Terumo Kabushiki Kaisha                                                                   | 23/02/2015 | 3120890 | 15765216.5 |        |
| 3121573 | Electrolux Home Products Corporation N.V.                                                 | 08/05/2008 | 3121573 | 16182417.2 |        |
| 3121851 | LG Display Co., Ltd.                                                                      | 29/06/2016 | 3121851 | 16176825.4 |        |
| 3122186 | OLEON NV                                                                                  | 24/03/2015 | 3122186 | 15719263.4 | French |
| 3122584 | Bestop, Inc.                                                                              | 26/03/2015 | 3122584 | 15715096.2 |        |

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| 3122730 | North & South Brother Pharmacy<br>Investment Company Limited<br>Calitor Sciences, LLC | 27/03/2015 | 3122730 | 15769715.2 |        |
| 3125292 | MediaTek Inc.                                                                         | 23/06/2016 | 3125292 | 16175908.9 |        |
| 3125307 | Kolon Industries, Inc.                                                                | 30/12/2014 | 3125307 | 14887491.0 |        |
| 3125396 | LSIS Co., Ltd.                                                                        | 04/04/2016 | 3125396 | 16163648.5 |        |
| 3125464 | Bundesdruckerei GmbH                                                                  | 21/07/2016 | 3125464 | 16180482.8 | German |
| 3127234 | Lemförder Electronic GmbH                                                             | 19/02/2015 | 3127234 | 15706428.8 | German |
| 3127547 | Amorepacific Corporation                                                              | 02/04/2015 | 3127547 | 15772463.4 |        |
| 3127864 | Rapas Corporation                                                                     | 31/03/2015 | 3127864 | 15773032.6 |        |
| 3128232 | CS THERMOS s.r.l.                                                                     | 03/08/2015 | 3128232 | 15425059.1 |        |
| 3128601 | Kabushiki Kaisha Toshiba                                                              | 23/02/2015 | 3128601 | 15773111.8 |        |
| 3129130 | Shell Internationale Research<br>Maatschappij B.V.                                    | 08/04/2015 | 3129130 | 15717390.7 |        |
| 3129400 | Regeneron Pharmaceuticals, Inc.                                                       | 08/04/2015 | 3129400 | 15718060.5 |        |
| 3129718 | Carrier Corporation                                                                   | 10/04/2015 | 3129718 | 15722368.6 |        |
| 3130288 | Samsung Electronics Co., Ltd.                                                         | 07/06/2016 | 3130288 | 16173272.2 |        |
| 3130547 | Hishinuma, Kazuo                                                                      | 25/06/2015 | 3130547 | 15834127.1 |        |
| 3130557 | CVS Ferrari S.p.A.                                                                    | 18/10/2011 | 3130557 | 16182807.4 |        |
| 3130963 | NOK Corporation<br>Synztec Co., Ltd.                                                  | 08/04/2015 | 3130963 | 15777501.6 |        |
| 3130979 | Samsung Electronics Co., Ltd.                                                         | 10/08/2016 | 3130979 | 16183588.9 |        |
| 3131241 | Huawei Technologies Co., Ltd.                                                         | 15/04/2015 | 3131241 | 15785280.7 |        |
| 3131431 | Colgate-Palmolive Company                                                             | 07/05/2014 | 3131431 | 14729175.1 |        |
| 3132177 | ACD, LLC                                                                              | 17/04/2015 | 3132177 | 15779567.5 |        |
| 3132990 | Hillesheim, Björn                                                                     | 10/08/2016 | 3132990 | 16183616.8 | German |
| 3133110 | Toray Industries, Inc.                                                                | 13/02/2015 | 3133110 | 15756090.5 |        |
| 3133151 | Cj Cheiljedang Corporation                                                            | 14/04/2015 | 3133151 | 15779395.1 |        |
| 3133153 | Cj Cheiljedang Corporation                                                            | 14/04/2015 | 3133153 | 15780619.1 |        |
| 3133485 | Ricoh Company, Ltd.                                                                   | 10/08/2016 | 3133485 | 16183487.4 |        |
| 3133802 | Sony Mobile Communications, Inc.                                                      | 30/09/2009 | 3133802 | 16187860.8 |        |
| 3134235 | Shavelogic, Inc.                                                                      | 22/04/2015 | 3134235 | 15783488.8 |        |
| 3135761 | Cj Cheiljedang Corporation                                                            | 14/04/2015 | 3135761 | 15779385.2 |        |
| 3135907 | Mitsubishi Heavy Industries, Ltd.<br>Artemis Intelligent Power Limited                | 24/02/2016 | 3135907 | 16157109.6 |        |
| 3136041 | FirstSpear, LLC                                                                       | 19/11/2012 | 3136041 | 16192729.8 |        |
| 3136517 | Aptiv Technologies Limited                                                            | 13/07/2016 | 3136517 | 16179283.3 |        |

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|---------|----------------------------------------------------------------|------------|---------|------------|--------|
| 3136520 | Power Plus Communications AG                                   | 17/08/2016 | 3136520 | 16184604.3 | German |
| 3136572 | Mitsumi Electric Co., Ltd.                                     | 23/04/2015 | 3136572 | 15782350.1 |        |
| 3136854 | Matoke Holdings Limited                                        | 30/04/2014 | 3136854 | 14728599.3 |        |
| 3136861 | American Sterilizer Company                                    | 10/02/2015 | 3136861 | 15710302.9 |        |
| 3136862 | American Sterilizer Company                                    | 10/02/2015 | 3136862 | 15710303.7 |        |
| 3136944 | United States Endoscopy Group, Inc.                            | 04/05/2015 | 3136944 | 15786228.5 |        |
| 3137583 | AXENS                                                          | 20/04/2015 | 3137583 | 15719168.5 | French |
| 3137632 | Expression Pathology, Inc.                                     | 30/04/2015 | 3137632 | 15786100.6 |        |
| 3137762 | Wave Power Renewables Limited                                  | 16/10/2014 | 3137762 | 14853352.4 |        |
| 3137946 | Brooker, Gary                                                  | 30/04/2015 | 3137946 | 15786627.8 |        |
| 3137973 | Microsoft Technology Licensing, LLC                            | 23/04/2015 | 3137973 | 15721447.9 |        |
| 3139264 | LG ELECTRONICS INC.                                            | 24/08/2016 | 3139264 | 16001857.8 |        |
| 3140052 | General Electric Company                                       | 08/05/2015 | 3140052 | 15725153.9 |        |
| 3140421 | Eurofins LifeCodexx GmbH                                       | 08/05/2015 | 3140421 | 15723189.5 |        |
| 3140514 | Exergy S.p.A.                                                  | 30/04/2015 | 3140514 | 15726718.8 |        |
| 3140580 | Swagelok Company                                               | 08/05/2015 | 3140580 | 15788628.4 |        |
| 3140698 | The Swatch Group Research and Development Ltd                  | 01/05/2015 | 3140698 | 15723856.9 | French |
| 3140970 | Intel Corporation                                              | 06/04/2015 | 3140970 | 15789914.7 |        |
| 3141233 | Toyota Jidosha Kabushiki Kaisha                                | 10/08/2016 | 3141233 | 16183514.5 |        |
| 3141406 | ACPS Automotive GmbH                                           | 08/09/2016 | 3141406 | 16187841.8 | German |
| 3142157 | LG Innotek Co., Ltd.                                           | 29/04/2015 | 3142157 | 15788643.3 |        |
| 3142451 | Kyocera Corporation                                            | 08/05/2015 | 3142451 | 15788952.8 |        |
| 3142551 | St. Jude Medical International Holding S.à r.l.                | 01/07/2015 | 3142551 | 15781410.4 |        |
| 3143085 | SABIC Global Technologies B.V.                                 | 13/05/2015 | 3143085 | 15722205.0 |        |
| 3143338 | Quantia SAS                                                    | 15/05/2015 | 3143338 | 15750641.1 | French |
| 3143369 | HappyOrNot Oy                                                  | 13/05/2015 | 3143369 | 15792443.2 |        |
| 3143585 | Koninklijke Philips N.V.                                       | 05/05/2015 | 3143585 | 15722492.4 |        |
| 3143937 | General Electric Company                                       | 06/09/2016 | 3143937 | 16187404.5 |        |
| 3145576 | Commissariat à l'Énergie Atomique et aux Énergies Alternatives | 07/05/2015 | 3145576 | 15725893.0 | French |
| 3145708 | Smartpolymer GmbH                                              | 19/05/2015 | 3145708 | 15729086.7 | German |
| 3145735 | Rutgers, the State University of New Jersey                    | 21/05/2015 | 3145735 | 15795744.0 |        |
| 3146002 | Canon Production Printing Netherlands B.V.                     | 20/05/2015 | 3146002 | 15723237.2 |        |



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|---------|--------------------------------------------------------|------------|---------|------------|--------|
| 3147446 | Detenhoff, Reiner                                      | 22/09/2016 | 3147446 | 16190184.8 | German |
| 3147913 | Siemens Aktiengesellschaft                             | 25/09/2015 | 3147913 | 15186837.9 | German |
| 3148113 | Huawei Technologies Co. Ltd.                           | 24/06/2014 | 3148113 | 14896113.9 |        |
| 3148233 | ZTE Corporation                                        | 17/09/2014 | 3148233 | 14896222.8 |        |
| 3148241 | Huawei Technologies Co. Ltd.                           | 21/05/2014 | 3148241 | 14892639.7 |        |
| 3148621 | SANOFI                                                 | 26/05/2015 | 3148621 | 15725590.2 |        |
| 3148764 | Dow Global Technologies LLC                            | 20/05/2015 | 3148764 | 15727189.1 |        |
| 3148918 | Goldstein, Harold, A.                                  | 27/05/2015 | 3148918 | 15799467.4 |        |
| 3149060 | Basell Polyolefine GmbH                                | 28/04/2015 | 3149060 | 15719697.3 |        |
| 3149199 | Verinata Health, Inc.                                  | 29/05/2015 | 3149199 | 15728356.5 |        |
| 3149744 | SanDisk Technologies LLC                               | 14/05/2015 | 3149744 | 15725949.0 |        |
| 3149750 | Corning Incorporated                                   | 28/05/2015 | 3149750 | 15729643.5 |        |
| 3150124 | Technische Universität München                         | 29/09/2015 | 3150124 | 15187466.6 |        |
| 3150362 | Mitsubishi Chemical Corporation                        | 28/05/2015 | 3150362 | 15799831.1 |        |
| 3150872 | PFEIFFER VACUUM GMBH                                   | 03/08/2016 | 3150872 | 16182636.7 | German |
| 3150886 | Kitz Corporation                                       | 24/06/2015 | 3150886 | 15814857.7 |        |
| 3151063 | AGC Inc.                                               | 29/05/2015 | 3151063 | 15802671.6 |        |
| 3151416 | Mitsubishi Electric Corporation                        | 30/06/2014 | 3151416 | 14896417.4 |        |
| 3151825 | DS Biopharma Limited                                   | 04/06/2015 | 3151825 | 15727395.4 |        |
| 3152427 | Robert Bosch GmbH                                      | 27/05/2015 | 3152427 | 15728439.9 | German |
| 3152770 | General Cable Technologies Corporation                 | 05/06/2015 | 3152770 | 15803888.5 |        |
| 3153185 | Bitop AG                                               | 19/06/2013 | 3153185 | 16196808.6 | German |
| 3153256 | United Technologies Corporation                        | 05/10/2016 | 3153256 | 16192465.9 |        |
| 3154580 | Andremacon S.r.l.                                      | 12/06/2015 | 3154580 | 15742068.8 |        |
| 3156480 | Life Technologies Corporation                          | 07/02/2012 | 3156480 | 16202748.6 |        |
| 3156554 | Hilscher, Sebastian                                    | 11/10/2013 | 3156554 | 16201134.0 | German |
| 3156656 | Grundfos Holding A/S                                   | 16/10/2015 | 3156656 | 15190085.9 | German |
| 3156714 | GAZTRANSPORT ET TECHNIGAZ                              | 02/04/2010 | 3156714 | 16190487.5 | French |
| 3157021 | Hitachi Metals, Ltd.                                   | 10/06/2015 | 3157021 | 15807434.4 |        |
| 3157134 | Funai Electric Co., Ltd.                               | 12/10/2016 | 3157134 | 16193417.9 |        |
| 3158141 | Brandao, Miguel<br>Brandao, Catarina<br>Brandao, Artur | 19/06/2015 | 3158141 | 15734466.4 |        |
| 3158300 | Iwim S.r.l.                                            | 16/06/2015 | 3158300 | 15744345.8 |        |
| 3158630 | Whylot SAS                                             | 18/06/2015 | 3158630 | 15739655.7 | French |
| 3158738 | Qualcomm Incorporated                                  | 19/06/2015 | 3158738 | 15741651.2 |        |

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| 3158907 | Erlau AG                                                                                                                      | 30/09/2016 | 3158907 | 16191714.1 | German |
| 3159175 | Toshiba TEC Kabushiki Kaisha                                                                                                  | 20/06/2016 | 3159175 | 16175316.5 |        |
| 3159313 | RBM IBOX S.R.L.                                                                                                               | 18/10/2016 | 3159313 | 16194335.2 |        |
| 3159340 | Hefei Institutes of Physical Science,<br>Chinese Academy of Sciences<br>Anhui New Star Pharmaceutical<br>Development Co., Ltd | 27/01/2015 | 3159340 | 15809083.7 |        |
| 3159523 | General Electric Company                                                                                                      | 18/10/2016 | 3159523 | 16194479.8 |        |
| 3159810 | SAP SE                                                                                                                        | 18/10/2016 | 3159810 | 16002235.6 |        |
| 3160268 | Philip Morris Products S.A.                                                                                                   | 22/06/2015 | 3160268 | 15730781.0 |        |
| 3160309 | Société des Produits Nestlé S.A.                                                                                              | 22/06/2015 | 3160309 | 15729864.7 |        |
| 3160811 | Volvo Truck Corporation                                                                                                       | 27/06/2014 | 3160811 | 14739038.9 |        |
| 3161065 | Continental Structural Plastics, Inc.                                                                                         | 26/06/2015 | 3161065 | 15811374.6 |        |
| 3161130 | Agency for Science, Technology and<br>Research                                                                                | 26/06/2015 | 3161130 | 15811279.7 |        |
| 3161762 | Parousia Investments Pty Ltd                                                                                                  | 26/05/2015 | 3161762 | 15811371.2 |        |
| 3162019 | Orange                                                                                                                        | 15/06/2015 | 3162019 | 15733837.7 | French |
| 3162747 | Heidelberger Druckmaschinen AG                                                                                                | 14/07/2016 | 3162747 | 16179384.9 | German |
| 3162865 | NOK Corporation                                                                                                               | 14/05/2015 | 3162865 | 15812051.9 |        |
| 3162913 | Toyo Tanso Co., Ltd.                                                                                                          | 01/06/2015 | 3162913 | 15812047.7 |        |
| 3163942 | HUAWEI TECHNOLOGIES CO.,<br>LTD.                                                                                              | 30/06/2015 | 3163942 | 15824723.9 |        |
| 3164174 | SANOFI                                                                                                                        | 01/07/2015 | 3164174 | 15732724.8 |        |
| 3164314 | Siemens Mobility GmbH                                                                                                         | 28/09/2015 | 3164314 | 15774563.9 | German |
| 3164940 | Telefonaktiebolaget LM Ericsson (publ)                                                                                        | 03/07/2014 | 3164940 | 14896697.1 |        |
| 3164977 | ABB Schweiz AG                                                                                                                | 03/07/2014 | 3164977 | 14755145.1 |        |
| 3165877 | Tata Consultancy Services Limited                                                                                             | 26/10/2016 | 3165877 | 16195720.4 |        |
| 3165960 | Champ Vision Display Inc.                                                                                                     | 27/10/2016 | 3165960 | 16196056.2 |        |
| 3166028 | Open Text SA ULC                                                                                                              | 04/11/2016 | 3166028 | 16197352.4 |        |
| 3166407 | PRP Holding                                                                                                                   | 09/07/2015 | 3166407 | 15748284.5 | French |
| 3166639 | EGB EpiGeneticBalance AG                                                                                                      | 08/07/2015 | 3166639 | 15734694.1 | German |
| 3166989 | Bromine Compounds Ltd.                                                                                                        | 07/07/2015 | 3166989 | 15753496.7 |        |
| 3167057 | Université Laval<br>Medicago Inc.                                                                                             | 10/07/2015 | 3167057 | 15819391.2 |        |
| 3167065 | Lupin Limited                                                                                                                 | 09/07/2015 | 3167065 | 15745247.5 |        |
| 3167150 | Cementation Canada Inc.                                                                                                       | 10/07/2015 | 3167150 | 15819732.7 |        |
| 3167548 | Texas Instruments Incorporated                                                                                                | 13/07/2015 | 3167548 | 15821708.3 |        |

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|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|---------|------------|--------|
| 3167725      | Suntory Holdings Limited                                                                                                                                                   | 03/07/2015                                                    | 3167725 | 15819571.9 |        |
| 3167769      | Etablissements Edouard Rousseau                                                                                                                                            | 04/02/2015                                                    | 3167769 | 16206386.1 | French |
| 3168050      | Sato Holdings Kabushiki Kaisha                                                                                                                                             | 08/04/2015                                                    | 3168050 | 15819395.3 |        |
| 3168398      | Sitter, Christian                                                                                                                                                          | 16/11/2016                                                    | 3168398 | 16199081.7 | German |
|              | Sitter, Michel                                                                                                                                                             |                                                               |         |            |        |
| 3168835      | LG Display Co., Ltd.                                                                                                                                                       | 05/04/2016                                                    | 3168835 | 16163828.3 |        |
| 3169089      | Samsung Electronics Co., Ltd.                                                                                                                                              | 13/07/2015                                                    | 3169089 | 15819026.4 |        |
| 3169118      | NTT DOCOMO, INC.                                                                                                                                                           | 27/05/2015                                                    | 3169118 | 15818504.1 |        |
| 3169130      | GUANGDONG OPPO MOBILE<br>TELECOMMUNICATIONS CORP.,<br>LTD.                                                                                                                 | 03/02/2006                                                    | 3169130 | 16207143.5 |        |
| 3169343      | Yissum Research and Development<br>Company of the Hebrew University of<br>Jerusalem Ltd.                                                                                   | 15/07/2015                                                    | 3169343 | 15750822.7 |        |
| 3169398      | Dalhousie University                                                                                                                                                       | 16/07/2015                                                    | 3169398 | 15822640.7 |        |
| 3170145      | Koninklijke Philips N.V.                                                                                                                                                   | 06/07/2015                                                    | 3170145 | 15756692.8 |        |
| 3170892      | Osaka University                                                                                                                                                           | 15/07/2015                                                    | 3170892 | 15821563.2 |        |
| 3171257      | HUAWEI TECHNOLOGIES CO.,<br>LTD.                                                                                                                                           | 03/09/2014                                                    | 3171257 | 14901194.2 |        |
| 3171526      | LG Electronics Inc.                                                                                                                                                        | 30/06/2015                                                    | 3171526 | 15822634.0 |        |
| 3171593      | Rohde & Schwarz GmbH & Co. KG                                                                                                                                              | 30/12/2015                                                    | 3171593 | 15203058.1 |        |
| 3171978      | General Electric Company                                                                                                                                                   | 20/07/2015                                                    | 3171978 | 15739579.9 |        |
| 3173124      | System Instruments Co., Ltd.                                                                                                                                               | 23/07/2014                                                    | 3173124 | 14898205.1 |        |
|              | The University of Electro-<br>Communications                                                                                                                               |                                                               |         |            |        |
| 3173126      | Sorin CRM SAS                                                                                                                                                              | 23/11/2016                                                    | 3173126 | 16200249.7 | French |
| 3174981      | Association Institut de Myologie<br>Centre National de la Recherche<br>Scientifique<br>Institut National de la Santé et de la<br>Recherche Médicale<br>Sorbonne Université | 31/07/2015                                                    | 3174981 | 15750315.2 |        |
| 3175010      | Magnesium Elektron Limited                                                                                                                                                 | 28/07/2015                                                    | 3175010 | 15744320.1 |        |
| 3175035      | Engler Italia S.r.l.                                                                                                                                                       | 16/07/2015                                                    | 3175035 | 15753193.0 |        |
| 3175822      | St. Jude Medical, Cardiology Division,<br>Inc.                                                                                                                             | 03/05/2013                                                    | 3175822 | 16196712.0 |        |
| 3176023      | AUDI AG                                                                                                                                                                    | 01/12/2016                                                    | 3176023 | 16201670.3 | German |

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| 3176415 | General Electric Company                                       | 22/11/2016 | 3176415 | 16199963.6 |        |
| 3178284 | Nokia Solutions and Networks Oy                                | 06/08/2014 | 3178284 | 14755264.0 |        |
| 3178449 | PRO LIMB International Corp.                                   | 09/11/2016 | 3178449 | 16197966.1 |        |
| 3178593 | LMT Fette Werkzeugtechnik GmbH & Co. KG                        | 08/12/2015 | 3178593 | 15198488.7 | German |
| 3178856 | tesa SE                                                        | 01/12/2016 | 3178856 | 16201618.2 | German |
| 3178901 | Addcon Europe GmbH                                             | 01/12/2016 | 3178901 | 16201599.4 | German |
| 3179280 | AGC Inc.                                                       | 03/08/2015 | 3179280 | 15830063.2 |        |
| 3179361 | Huizhou TCL Mobile Communication Co., Ltd.                     | 08/01/2015 | 3179361 | 15794445.5 |        |
| 3180425 | DuPont US Holding, LLC                                         | 21/07/2015 | 3180425 | 15747678.9 |        |
| 3180700 | Microsoft Technology Licensing, LLC                            | 15/08/2014 | 3180700 | 14899800.8 |        |
| 3181247 | Coperion GmbH                                                  | 15/12/2015 | 3181247 | 15200098.0 | German |
| 3181460 | Honeywell International Inc.                                   | 28/11/2016 | 3181460 | 16201011.0 |        |
| 3181802 | Soilmec S.p.A.                                                 | 16/12/2016 | 3181802 | 16204598.3 |        |
| 3181949 | ROBERT BOSCH GMBH                                              | 02/12/2016 | 3181949 | 16201882.4 | German |
| 3182636 | Alcatel Lucent                                                 | 17/12/2015 | 3182636 | 15307041.2 |        |
| 3183019 | Windgap Medical, Inc.                                          | 18/08/2015 | 3183019 | 15833116.5 |        |
| 3183349 | PureCircle Sdn Bhd                                             | 19/08/2015 | 3183349 | 15833561.2 |        |
| 3183376 | Okinawa Institute of Science and Technology School Corporation | 17/08/2015 | 3183376 | 15834500.9 |        |
| 3183496 | Bjørklund, Morten Asger Nilsson                                | 21/08/2015 | 3183496 | 15771009.6 |        |
| 3183911 | Telefonaktiebolaget LM Ericsson (publ)                         | 21/08/2014 | 3183911 | 14792867.5 |        |
| 3184169 | Yanmar Co., Ltd.<br>Johnson Matthey Public Limited Company     | 07/08/2015 | 3184169 | 15833235.3 |        |
| 3184266 | Ren, Xiangrong                                                 | 23/08/2016 | 3184266 | 16020310.5 |        |
| 3184501 | Heraeus Deutschland GmbH & Co. KG                              | 21/12/2016 | 3184501 | 16205666.7 |        |
| 3184660 | JFE Steel Corporation                                          | 13/08/2015 | 3184660 | 15833672.7 |        |
| 3184982 | Tyco Electronics AMP Korea Co., Ltd.                           | 18/08/2015 | 3184982 | 15833752.7 |        |
| 3185173 | Aptiv Technologies Limited                                     | 25/11/2016 | 3185173 | 16200784.3 |        |
| 3185293 | NICHIA CORPORATION                                             | 22/12/2016 | 3185293 | 16206387.9 |        |
| 3185651 | STEINEL GmbH                                                   | 20/12/2016 | 3185651 | 16205496.9 | German |
| 3186465 | Baker Hughes, a GE company, LLC                                | 24/08/2015 | 3186465 | 15835748.3 |        |
| 3186691 | Telefonaktiebolaget LM Ericsson (publ)                         | 01/07/2015 | 3186691 | 15739195.4 |        |
| 3186906 | One Media, LLC                                                 | 25/08/2015 | 3186906 | 15836979.3 |        |

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|---------|-----------------------------------------------------|------------|---------|------------|--------|
| 3187636 | JNC Corporation                                     | 27/08/2015 | 3187636 | 15836253.3 |        |
|         | JNC Fibers Corporation                              |            |         |            |        |
| 3187674 | Ferreira, Frederico                                 | 24/01/2017 | 3187674 | 17152861.5 |        |
|         | Faria Correia, Miguel Luis                          |            |         |            |        |
| 3187833 | Nuctech Company Limited                             | 19/08/2015 | 3187833 | 15834980.3 |        |
| 3187838 | Neostain spolka z ograniczona<br>odpowiedzialnoscia | 29/12/2015 | 3187838 | 15460112.4 |        |
| 3188127 | Laboratoires Bodycad Inc.                           | 29/12/2015 | 3188127 | 15202865.0 |        |
| 3188531 | Huawei Technologies Co., Ltd.                       | 23/12/2016 | 3188531 | 16206544.5 |        |
| 3188571 | Whirlpool Corporation                               | 15/12/2016 | 3188571 | 16204551.2 |        |
| 3188882 | Groupe PPD Inc.                                     | 03/09/2015 | 3188882 | 15837629.3 |        |
| 3189200 | Picot                                               | 31/08/2015 | 3189200 | 15774514.2 | French |
| 3189204 | Baker Hughes, a GE company, LLC                     | 02/09/2015 | 3189204 | 15838907.2 |        |
| 3189566 | DEHN SE + Co KG                                     | 20/08/2015 | 3189566 | 15753941.2 | German |
| 3189845 | ezCol B.V.                                          | 12/12/2003 | 3189845 | 17158099.6 |        |
| 3190676 | Kabushiki Kaisha Toshiba                            | 10/06/2015 | 3190676 | 15838852.0 |        |
| 3190817 | Huawei Technologies Co., Ltd.                       | 30/09/2014 | 3190817 | 14903014.0 |        |
| 3191081 | Vectura Limited                                     | 09/09/2015 | 3191081 | 15762595.5 |        |
| 3191266 | Shavelogic, Inc.                                    | 10/09/2015 | 3191266 | 15840888.0 |        |
| 3191667 | Iveco S.p.A.                                        | 11/09/2015 | 3191667 | 15781733.9 |        |
|         | De Molli Giancarlo Industrie S.p.A.                 |            |         |            |        |
| 3191743 | Westport Power Inc.                                 | 04/09/2015 | 3191743 | 15839625.9 |        |
| 3191869 | Leddartech Inc.                                     | 08/09/2015 | 3191869 | 15840398.0 |        |
| 3192214 | Intel Corporation                                   | 02/09/2015 | 3192214 | 15839788.5 |        |
| 3192529 | Faulstich, Heinz, Dr.                               | 08/04/2010 | 3192529 | 17158119.2 |        |
|         | Deutsches Krebsforschungszentrum                    |            |         |            |        |
| 3192691 | Parker Hannifin EMEA S.à.r.l.                       | 18/01/2016 | 3192691 | 16151695.0 |        |
| 3192730 | Ino8 Pty Ltd                                        | 06/09/2010 | 3192730 | 16203311.2 |        |
| 3193215 | Hewlett-Packard Development<br>Company, L.P.        | 31/05/2013 | 3193215 | 17158097.0 |        |
| 3193496 | Sony Corporation                                    | 24/08/2015 | 3193496 | 15851321.8 |        |
| 3193512 | Dolby Laboratories Licensing<br>Corporation         | 25/08/2006 | 3193512 | 17150621.5 |        |
| 3193880 | Eli Lilly and Company                               | 18/09/2015 | 3193880 | 15774806.2 |        |
| 3193942 | Shire Human Genetic Therapies, Inc.                 | 11/08/2015 | 3193942 | 15756512.8 |        |
| 3194150 | Sartorius Stedim Biotech GmbH                       | 31/03/2016 | 3194150 | 16719007.3 |        |
| 3194732 | Jacobs Vehicle Systems, Inc.                        | 18/09/2015 | 3194732 | 15842703.9 |        |

|         |                                                                                |            |         |            |        |
|---------|--------------------------------------------------------------------------------|------------|---------|------------|--------|
| 3195609 | LG Electronics Inc.                                                            | 25/08/2014 | 3195609 | 14900794.0 |        |
| 3195693 | Trane Air Conditioning Systems<br>(China) Co. Ltd.<br>Trane International Inc. | 29/08/2014 | 3195693 | 14900367.5 |        |
| 3196129 | Starnex Co. Ltd.<br>Park, Sang Rae                                             | 22/07/2015 | 3196129 | 15826718.7 |        |
| 3196531 | Huawei Technologies Co. Ltd.                                                   | 15/08/2014 | 3196531 | 14899615.0 |        |
| 3197208 | Huawei Technologies Co., Ltd.                                                  | 04/05/2015 | 3197208 | 15845057.7 |        |
| 3197236 | Huawei Technologies Co., Ltd.                                                  | 01/08/2014 | 3197236 | 14898965.0 |        |
| 3197381 | Boston Scientific Scimed, Inc.                                                 | 23/09/2015 | 3197381 | 15775348.4 |        |
| 3198171 | Schaeffler Technologies AG & Co. KG                                            | 18/09/2015 | 3198171 | 15843247.6 |        |
| 3198780 | Intel Corporation                                                              | 22/09/2015 | 3198780 | 15843644.4 |        |
| 3199308 | Bor Sheng Industrial Co., Ltd.                                                 | 29/01/2016 | 3199308 | 16153512.5 |        |
| 3199372 | Sumitomo Rubber Industries, Ltd.                                               | 16/10/2015 | 3199372 | 15849874.1 |        |
| 3199378 | Sumitomo Rubber Industries, Ltd.                                               | 27/12/2016 | 3199378 | 16206911.6 |        |
| 3199715 | Franke Technology and Trademark Ltd                                            | 09/11/2016 | 3199715 | 16197956.2 | German |
| 3199727 | Ojmar, S.A.                                                                    | 23/09/2015 | 3199727 | 15845343.1 |        |
| 3199832 | Mitsuboshi Belting Ltd.                                                        | 25/09/2015 | 3199832 | 15844624.5 |        |
| 3200428 | dSPACE digital signal processing and<br>control engineering GmbH               | 26/01/2016 | 3200428 | 16152681.9 | German |
| 3201030 | Poclain Hydraulics Industrie                                                   | 02/10/2015 | 3201030 | 15788133.5 | French |
| 3201469 | Ateliers Busch S.A.                                                            | 02/10/2014 | 3201469 | 14781160.8 | French |
| 3202199 | Telefonaktiebolaget LM Ericsson (publ)                                         | 30/10/2014 | 3202199 | 14799909.8 |        |
| 3202410 | Roger Williams Medical Center                                                  | 14/04/2011 | 3202410 | 16205421.7 |        |
| 3202765 | Hainan Xuanzhu Pharma Co., Ltd.                                                | 25/09/2015 | 3202765 | 15847288.6 |        |
| 3203243 | Terumo Kabushiki Kaisha                                                        | 17/07/2015 | 3203243 | 15847573.1 |        |
| 3203691 | Microsoft Technology Licensing, LLC                                            | 06/12/2013 | 3203691 | 17156727.4 |        |
| 3203869 | Gentex Corporation                                                             | 08/10/2015 | 3203869 | 15848550.8 |        |
| 3204281 | Interactive Fully Electrical Vehicles<br>S.r.l.<br>Poli-Model S.r.l.           | 03/06/2015 | 3204281 | 15738983.4 |        |
| 3204418 | Dana Farber Cancer Institute, Inc.                                             | 06/10/2015 | 3204418 | 15782195.0 |        |
| 3204486 | Nuas Technology AS                                                             | 05/10/2015 | 3204486 | 15848356.0 |        |
| 3204645 | Embraco Indústria de Compressores e<br>Soluções em Refrigeração Ltda.          | 06/10/2015 | 3204645 | 15785045.4 |        |
| 3205015 | Telefonaktiebolaget LM Ericsson (publ)                                         | 06/10/2014 | 3205015 | 14793644.7 |        |
| 3205094 | Qualcomm Incorporated                                                          | 07/10/2015 | 3205094 | 15784853.2 |        |

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|--------------|--------------------------------------------------------------|---------------------------------------------------------------|---------|------------|--------|
| 3205278      | Ethicon LLC                                                  | 08/02/2017                                                    | 3205278 | 17155263.1 |        |
| 3205284      | Ethicon LLC                                                  | 10/02/2017                                                    | 3205284 | 17155701.0 |        |
| 3205292      | Covidien LP                                                  | 13/06/2014                                                    | 3205292 | 17161304.5 |        |
| 3205439      | Amada Holdings Company Ltd.                                  | 09/09/2015                                                    | 3205439 | 15848766.0 |        |
| 3205749      | Rohm and Haas Electronic Materials LLC                       | 03/02/2017                                                    | 3205749 | 17154689.8 |        |
| 3205754      | Modern Meadow, Inc.                                          | 15/02/2017                                                    | 3205754 | 17156318.2 |        |
| 3205888      | KYB-YS Co., Ltd.                                             | 06/10/2015                                                    | 3205888 | 15849172.0 |        |
| 3205977      | TOPCON CORPORATION                                           | 09/02/2017                                                    | 3205977 | 17155462.9 |        |
| 3206571      | Klaipeda University                                          | 29/04/2015                                                    | 3206571 | 15730848.7 |        |
| 3206910      | Adient Luxembourg Holding S.à r.l.                           | 09/10/2015                                                    | 3206910 | 15775464.9 | German |
| 3207148      | Institut Gustave Roussy                                      | 14/10/2015                                                    | 3207148 | 15780861.9 |        |
| 3207655      | Qualcomm Incorporated                                        | 25/09/2015                                                    | 3207655 | 15778144.4 |        |
| 3207736      | Huawei Technologies Co. Ltd.                                 | 15/10/2015                                                    | 3207736 | 15857722.1 |        |
| 3207748      | Vodafone IP Licensing Limited                                | 13/10/2015                                                    | 3207748 | 15780831.2 |        |
| 3207971      | Alfa Laval Corporate AB                                      | 18/02/2016                                                    | 3207971 | 16156365.5 |        |
| 3208183      | Langstädtler, Iris-Sabine                                    | 22/02/2017                                                    | 3208183 | 17157369.4 | German |
| 3209043      | Huawei Technologies Co., Ltd.                                | 04/11/2014                                                    | 3209043 | 14905481.9 |        |
| 3209342      | BIOTRONIK SE & Co. KG<br>Albert-Ludwigs-Universität Freiburg | 21/10/2015                                                    | 3209342 | 15781966.5 |        |
| 3209444      | TBS Engineering Limited                                      | 14/10/2015                                                    | 3209444 | 15784446.5 |        |
| 3209506      | ExxonMobil Chemical Patents Inc.                             | 07/10/2015                                                    | 3209506 | 15866554.7 |        |
| 3209614      | Bionest Technologies Inc.                                    | 20/10/2015                                                    | 3209614 | 15853413.1 |        |
| 3209827      | LG Electronics Inc.                                          | 22/10/2015                                                    | 3209827 | 15851906.6 |        |
| 3209953      | Whirlpool Corporation                                        | 23/10/2015                                                    | 3209953 | 15853333.1 |        |
| 3210037      | Microsoft Technology Licensing, LLC                          | 20/10/2015                                                    | 3210037 | 15790369.1 |        |
| 3210227      | Siemens Aktiengesellschaft                                   | 29/10/2015                                                    | 3210227 | 15791265.0 | German |
| 3210247      | tesa SE                                                      | 18/09/2015                                                    | 3210247 | 15771069.0 | German |
| 3210467      | Yanmar Co., Ltd.                                             | 21/02/2017                                                    | 3210467 | 17000279.4 |        |
| 3210544      | Terumo Medical Corporation                                   | 21/02/2014                                                    | 3210544 | 17163400.9 |        |
| 3210555      | Stryker European Holdings I, LLC                             | 27/02/2017                                                    | 3210555 | 17158141.6 |        |
| 3210677      | TOMRA Sorting NV                                             | 24/02/2016                                                    | 3210677 | 16157211.0 |        |
| 3211145      | fischerwerke GmbH & Co. KG                                   | 08/02/2017                                                    | 3211145 | 17155267.2 | German |
| 3211234      | Chou, Wen-San                                                | 24/02/2017                                                    | 3211234 | 17157904.8 |        |
| 3211338      | LG Electronics Inc.                                          | 29/11/2016                                                    | 3211338 | 16201095.3 |        |
| 3211349      | Redwell Manufaktur GmbH                                      | 23/02/2017                                                    | 3211349 | 17157624.2 | German |
| 3211761      | Traktionssysteme Austria GmbH                                | 24/02/2017                                                    | 3211761 | 17157824.8 | German |

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|---------|-----------------------------------------------------------------------------|------------|---------|------------|--------|
| 3211807 | Huawei Technologies Co., Ltd.                                               | 12/05/2015 | 3211807 | 15891502.5 | German |
| 3212133 | Trans-Duodenal Concepts UG                                                  | 29/10/2015 | 3212133 | 15808452.5 |        |
| 3212410 | Hewlett-Packard Development<br>Company, L.P.                                | 30/10/2014 | 3212410 | 14904730.0 |        |
| 3212660 | GlaxoSmithKline Biologicals S.A.                                            | 29/10/2015 | 3212660 | 15791768.3 |        |
| 3212790 | Fred Hutchinson Cancer Research<br>Center<br>Adaptive Biotechnologies Corp. | 29/10/2015 | 3212790 | 15854358.7 |        |
| 3213620 | Deere & Company                                                             | 03/03/2017 | 3213620 | 17159042.5 |        |
| 3213725 | ETHEN S.R.L.                                                                | 01/03/2017 | 3213725 | 17158642.3 |        |
| 3213997 | Goodrich Lighting Systems, Inc.                                             | 30/12/2016 | 3213997 | 16207530.3 |        |
| 3214145 | NOK Corporation                                                             | 23/10/2015 | 3214145 | 15856055.7 |        |
| 3214153 | Samsung Display Co., Ltd.                                                   | 22/02/2017 | 3214153 | 17157381.9 |        |
| 3214200 | Kabushiki Kaisha Kobe Seiko Sho<br>(Kobe Steel, Ltd.)                       | 22/10/2015 | 3214200 | 15856045.8 |        |
| 3214697 | Tyco Electronics AMP Korea Co., Ltd.                                        | 24/02/2017 | 3214697 | 17157836.2 |        |
| 3214703 | Xiaomi Inc.                                                                 | 26/05/2016 | 3214703 | 16799330.2 |        |
| 3215707 | Petroleum Technology Company AS                                             | 29/10/2015 | 3215707 | 15786979.3 |        |
| 3215987 | Northrop Grumman Systems<br>Corporation                                     | 28/09/2015 | 3215987 | 15781228.0 |        |
| 3216028 | ABB Schweiz AG                                                              | 03/11/2015 | 3216028 | 15797211.8 |        |
| 3216174 | Cisco Technology, Inc.                                                      | 05/11/2015 | 3216174 | 15794779.7 |        |
| 3216309 | Nokia Solutions and Networks Oy                                             | 09/10/2015 | 3216309 | 15781330.4 |        |
| 3216402 | Medos International Sarl                                                    | 28/02/2017 | 3216402 | 17158361.0 |        |
| 3216515 | Asahi Kasei Medical Co., Ltd.                                               | 04/11/2015 | 3216515 | 15856904.6 |        |
| 3217620 | Tendyron Corporation                                                        | 03/11/2015 | 3217620 | 15856587.9 |        |
| 3217956 | L'OREAL                                                                     | 18/12/2015 | 3217956 | 15871166.3 |        |
| 3218030 | Novo Nordisk A/S                                                            | 12/11/2015 | 3218030 | 15793849.9 |        |
| 3218461 | Clariant International Ltd                                                  | 10/11/2015 | 3218461 | 15794149.3 |        |
| 3218478 | LEK Pharmaceuticals d.d.                                                    | 12/11/2015 | 3218478 | 15794165.9 |        |
| 3218751 | Lumus Ltd.                                                                  | 10/11/2015 | 3218751 | 15816250.3 |        |
| 3218888 | Harman International Industries,<br>Incorporated                            | 11/11/2014 | 3218888 | 14905722.6 |        |
| 3218908 | Siemens Aktiengesellschaft                                                  | 25/11/2015 | 3218908 | 15802034.7 | German |
| 3221183 | Renault S.A.S.                                                              | 16/11/2015 | 3221183 | 15817938.2 | French |
| 3221468 | Stichting Katholieke Universiteit<br>Stichting VUmc                         | 18/11/2015 | 3221468 | 15798026.9 |        |



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|---------|-------------------------------------------------------------------------------------|------------|---------|------------|--------|
| 3221591 | Weatherford Technology Holdings, LLC                                                | 17/11/2015 | 3221591 | 15861536.9 |        |
| 3221933 | Raytheon Company                                                                    | 18/11/2015 | 3221933 | 15805021.1 |        |
| 3222223 | Ethicon LLC                                                                         | 13/02/2009 | 3222223 | 17151831.9 |        |
| 3222299 | Sewoncellontech Co., Ltd.                                                           | 11/12/2014 | 3222299 | 14906285.3 |        |
| 3223438 | Huawei Technologies Co. Ltd.                                                        | 21/11/2014 | 3223438 | 14906541.9 |        |
| 3223570 | TOYOTA JIDOSHA KABUSHIKI KAISHA                                                     | 16/02/2017 | 3223570 | 17156427.1 |        |
| 3223917 | Carlisle Fluid Technologies, Inc.                                                   | 17/11/2015 | 3223917 | 15805290.2 |        |
| 3223918 | Bornack GmbH & Co. KG                                                               | 25/11/2015 | 3223918 | 15801147.8 | German |
| 3224317 | Borealis AG                                                                         | 18/11/2015 | 3224317 | 15798390.9 |        |
| 3224474 | Vestas Wind Systems A/S                                                             | 23/11/2015 | 3224474 | 15801321.9 |        |
| 3224661 | Corning Optical Communications LLC                                                  | 23/11/2015 | 3224661 | 15817633.9 |        |
| 3225196 | Ethicon LLC                                                                         | 31/03/2017 | 3225196 | 17164345.5 |        |
| 3225633 | The UAB Research Foundation<br>Benaroya Research Institute                          | 23/05/2005 | 3225633 | 17159244.7 |        |
| 3225702 | Deutsche Edelstahlwerke Specialty Steel GmbH & Co. KG                               | 29/03/2016 | 3225702 | 16162652.8 | German |
| 3225904 | Opplé Lighting Co., Ltd.                                                            | 26/04/2016 | 3225904 | 16785913.1 |        |
| 3225946 | Hoya Candeo Optronics Corporation                                                   | 29/03/2017 | 3225946 | 17163499.1 |        |
| 3226493 | Huawei Technologies Co., Ltd.                                                       | 21/12/2015 | 3226493 | 15908488.8 |        |
| 3226523 | Huawei Technologies Co., Ltd.                                                       | 23/12/2014 | 3226523 | 14908718.1 |        |
| 3226630 | LG Electronics Inc.                                                                 | 27/11/2015 | 3226630 | 15862219.1 |        |
| 3226920 | Sarong Societa' Per Azioni                                                          | 04/12/2015 | 3226920 | 15823775.0 |        |
| 3227023 | Hahn-Schickard-Gesellschaft für angewandte Forschung e.V.                           | 18/09/2015 | 3227023 | 15763938.6 | German |
| 3228150 | Samsung Electronics Co., Ltd.                                                       | 01/12/2015 | 3228150 | 15864669.5 |        |
| 3228177 | Deere & Company                                                                     | 30/03/2017 | 3228177 | 17163892.7 |        |
| 3228181 | Deere & Company                                                                     | 31/03/2017 | 3228181 | 17164283.8 |        |
| 3229116 | BOE Technology Group Co., Ltd.<br>Hefei Xinsheng Optoelectronics Technology Co. Ltd | 18/05/2015 | 3229116 | 15778597.3 |        |
| 3229164 | Huawei Technologies Co., Ltd.                                                       | 07/04/2016 | 3229164 | 16164280.6 |        |
| 3229499 | Huawei Technologies Co., Ltd.                                                       | 31/12/2014 | 3229499 | 14909507.7 |        |
| 3230167 | Hellermannntyton Corporation                                                        | 11/12/2015 | 3230167 | 15868399.5 |        |
| 3230380 | PERFORMANCE POLYAMIDES S.A.S.                                                       | 02/12/2015 | 3230380 | 15804425.5 |        |

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| 3230654 | Evac Oy                                                                                                | 10/12/2015 | 3230654 | 15826142.0 |        |
| 3231026 | ArcActive Limited                                                                                      | 11/12/2015 | 3231026 | 15867826.8 |        |
| 3231209 | HUAWEI TECHNOLOGIES CO., LTD.                                                                          | 06/12/2015 | 3231209 | 15869219.4 |        |
| 3231658 | AMI Industries, Inc.                                                                                   | 11/04/2017 | 3231658 | 17166017.8 |        |
| 3231812 | The United States of America, as represented by the Secretary, Department of Health and Human Services | 07/06/2012 | 3231812 | 17163568.3 |        |
| 3232231 | PGS Geophysical AS                                                                                     | 18/04/2017 | 3232231 | 17166773.6 |        |
| 3232734 | Industrial Technology Research Institute                                                               | 12/07/2016 | 3232734 | 16178960.7 |        |
| 3233134 | Memorial Sloan-Kettering Cancer Center<br>Cornell University                                           | 15/12/2015 | 3233134 | 15820752.2 |        |
| 3233289 | Human Brain Wave S.r.l.                                                                                | 14/12/2015 | 3233289 | 15828756.5 |        |
| 3233530 | Compagnie Générale des Etablissements Michelin                                                         | 14/12/2015 | 3233530 | 15817131.4 | French |
| 3233654 | L'Oréal                                                                                                | 04/11/2015 | 3233654 | 15800992.8 |        |
| 3233939 | COATEX                                                                                                 | 17/12/2015 | 3233939 | 15822983.1 | French |
| 3234268 | Marcolini Giuseppe S.r.l.                                                                              | 14/12/2015 | 3234268 | 15823784.2 |        |
| 3234690 | Cambridge Enterprise Limited                                                                           | 16/12/2015 | 3234690 | 15823738.8 |        |
| 3234823 | L.I.A. Di Giuseppe Capasso                                                                             | 15/07/2015 | 3234823 | 15762711.8 |        |
| 3235182 | Samsung Electronics Co., Ltd.                                                                          | 16/12/2015 | 3235182 | 15870315.7 |        |
| 3235325 | Robert Bosch GmbH                                                                                      | 16/12/2014 | 3235325 | 14825122.6 |        |
| 3236453 | LG Electronics Inc.                                                                                    | 12/04/2017 | 3236453 | 17000637.3 |        |
| 3236751 | Rhodia Operations                                                                                      | 21/12/2015 | 3236751 | 15820847.0 |        |
| 3236765 | Stafier Holland B.V.                                                                                   | 23/12/2015 | 3236765 | 15841110.8 |        |
| 3237609 | Novozymes A/S                                                                                          | 18/12/2015 | 3237609 | 15817259.3 |        |
| 3237731 | TOYOTA JIDOSHA KABUSHIKI KAISHA                                                                        | 15/12/2015 | 3237731 | 15817586.9 |        |
| 3237926 | Trimble AB                                                                                             | 22/12/2014 | 3237926 | 14828033.2 |        |
| 3238260 | ABB Power Grids Switzerland AG                                                                         | 22/12/2015 | 3238260 | 15819822.6 |        |
| 3238326 | Intel Corporation                                                                                      | 04/12/2015 | 3238326 | 15874086.0 |        |
| 3238485 | Intel Corporation                                                                                      | 20/11/2015 | 3238485 | 15807742.0 |        |
| 3238524 | LG Electronics Inc.                                                                                    | 02/05/2017 | 3238524 | 17168972.2 |        |
| 3238699 | AJINOMOTO CO., INC.                                                                                    | 25/12/2015 | 3238699 | 15873263.6 |        |

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|--------------|---------------------------------------------------------|---------------------------------------------------------------|---------|------------|--------|
| 3238789      | Oberalp Spa                                             | 27/04/2017                                                    | 3238789 | 17168552.2 | German |
| 3238858      | Nissan Motor Co., Ltd.                                  | 24/12/2014                                                    | 3238858 | 14908976.5 |        |
| 3238987      | AGUTI PRODUKTENTWICKLUNG<br>& DESIGN GMBH               | 24/04/2017                                                    | 3238987 | 17167686.9 | German |
| 3239009      | V.O.F. H.J. Busscher en Zn.                             | 01/05/2017                                                    | 3239009 | 17168886.4 |        |
| 3239311      | Kubota Corporation                                      | 21/12/2015                                                    | 3239311 | 15872985.5 |        |
| 3239374      | Asahi Kasei Kabushiki Kaisha                            | 25/12/2015                                                    | 3239374 | 15873344.4 |        |
| 3239924      | Koninklijke Philips N.V.                                | 24/11/2005                                                    | 3239924 | 17171740.8 |        |
| 3240401      | Prionics AG                                             | 24/12/2015                                                    | 3240401 | 15822953.4 |        |
| 3240492      | Covidien LP                                             | 28/12/2015                                                    | 3240492 | 15876107.2 |        |
| 3240500      | 3M Innovative Properties Company                        | 30/12/2015                                                    | 3240500 | 15876248.4 |        |
| 3240597      | Koninklijke Philips N.V.                                | 15/12/2015                                                    | 3240597 | 15820281.2 |        |
| 3241811      | STO SE & Co. KGaA                                       | 03/04/2012                                                    | 3241811 | 17172441.2 | German |
| 3241875      | Kolon Industries, Inc.                                  | 31/12/2015                                                    | 3241875 | 15875770.8 |        |
| 3242440      | HUAWEI TECHNOLOGIES CO.,<br>LTD.                        | 30/06/2015                                                    | 3242440 | 15878503.0 |        |
| 3242988      | ELEZIO                                                  | 30/12/2015                                                    | 3242988 | 15834791.4 | French |
| 3243648      | Coopbox Group S.P.A.                                    | 08/05/2017                                                    | 3243648 | 17000781.9 |        |
| 3243755      | Duncan Holman Services Ltd                              | 09/05/2017                                                    | 3243755 | 17020202.2 |        |
| 3243975      | swisspor Management AG                                  | 10/05/2017                                                    | 3243975 | 17170313.5 | German |
| 3244172      | Krohne AG                                               | 10/04/2017                                                    | 3244172 | 17165780.2 | German |
| 3244267      | Hewlett-Packard Development<br>Company, L.P.            | 09/12/2014                                                    | 3244267 | 17176715.5 |        |
| 3244551      | Mitsubishi Electric Corporation                         | 06/02/2015                                                    | 3244551 | 15881122.4 |        |
| 3244989      | thyssenkrupp Industrial Solutions AG<br>thyssenkrupp AG | 11/12/2015                                                    | 3244989 | 15816699.1 | German |
| 3245034      | Sillectra GmbH                                          | 13/01/2016                                                    | 3245034 | 16700575.0 | German |
| 3245593      | Ricoh Company, Ltd.                                     | 14/01/2016                                                    | 3245593 | 16737211.9 |        |
| 3245753      | LG Electronics Inc.                                     | 13/01/2016                                                    | 3245753 | 16737540.1 |        |
| 3246251      | Guangzhou Xaircraft Technology Co.,<br>Ltd.             | 12/10/2015                                                    | 3246251 | 17167044.1 |        |
| 3246325      | Astellas Pharma Inc.                                    | 01/08/2012                                                    | 3246325 | 17176670.2 |        |
| 3246371      | Lintec Corporation                                      | 12/01/2016                                                    | 3246371 | 16737329.9 |        |
| 3246589      | SAF-HOLLAND GmbH                                        | 03/05/2017                                                    | 3246589 | 17169195.9 | German |
| 3247008      | STANLEY ELECTRIC CO., LTD.                              | 11/05/2017                                                    | 3247008 | 17170558.5 |        |
| 3247154      | CANON KABUSHIKI KAISHA                                  | 17/05/2017                                                    | 3247154 | 17171482.7 |        |
| 3247306      | Neocis Inc.                                             | 21/01/2016                                                    | 3247306 | 16705612.6 |        |

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|---------|------------------------------------------------------------------------------------|------------|---------|------------|--------|
| 3247482 | Interpump Hydraulics S.p.A.                                                        | 15/01/2016 | 3247482 | 16709565.2 |        |
| 3248056 | Huawei Technologies Co. Ltd.                                                       | 12/12/2015 | 3248056 | 15883043.0 |        |
| 3248238 | VEGA Grieshaber KG                                                                 | 23/01/2015 | 3248238 | 15703902.5 | German |
| 3248616 | DBV Technologies                                                                   | 04/02/2013 | 3248616 | 17180424.8 |        |
| 3248713 | Tokusen Kogyo Co., Ltd                                                             | 05/11/2015 | 3248713 | 15881172.9 |        |
| 3248785 | SII Printek Inc                                                                    | 26/05/2017 | 3248785 | 17173102.9 |        |
| 3248813 | Kumho Tire Co., Inc.                                                               | 03/11/2016 | 3248813 | 16197063.7 |        |
| 3249197 | United Technologies Corporation                                                    | 23/05/2017 | 3249197 | 17172523.7 |        |
| 3249526 | Microsoft Technology Licensing, LLC                                                | 03/09/2013 | 3249526 | 17180650.8 |        |
| 3250587 | Regents of the University of Minnesota                                             | 28/01/2016 | 3250587 | 16704526.9 |        |
| 3250929 | Randox Laboratories Ltd.                                                           | 29/01/2016 | 3250929 | 16702782.0 |        |
| 3251321 | Telefonaktiebolaget LM Ericsson (publ)                                             | 28/01/2015 | 3251321 | 15701964.7 |        |
| 3251514 | Kuchenmeister GmbH                                                                 | 14/02/2017 | 3251514 | 17156066.7 | German |
| 3252008 | Fraunhofer-Gesellschaft zur Förderung<br>der angewandten Forschung e.V.            | 31/05/2017 | 3252008 | 17173601.0 | German |
| 3252396 | Daikin Industries, Ltd.                                                            | 17/12/2015 | 3252396 | 15879836.3 |        |
| 3252417 | Furukawa Electric Co. Ltd.                                                         | 27/01/2016 | 3252417 | 16743381.2 |        |
| 3252591 | Alibaba Group Holding Limited                                                      | 21/01/2016 | 3252591 | 16742684.0 |        |
| 3253355 | GS Elektromedizinische Geräte G.<br>Stemple GmbH                                   | 14/01/2016 | 3253355 | 16701208.7 | German |
| 3253640 | Siemens Mobility AG                                                                | 22/01/2016 | 3253640 | 16702048.6 | German |
| 3253899 | Isabellenhütte Heusler GmbH & Co. Kg                                               | 29/01/2016 | 3253899 | 16704389.2 | German |
| 3253906 | University Of Leicester                                                            | 03/02/2016 | 3253906 | 16707509.2 |        |
| 3254347 | Symmetrical Power Ltd.                                                             | 03/02/2016 | 3254347 | 16717677.5 |        |
| 3254581 | Beau Nuage                                                                         | 08/06/2017 | 3254581 | 17174908.8 | French |
| 3254609 | Biosense Webster (Israel) Ltd.                                                     | 16/05/2017 | 3254609 | 17171323.3 |        |
| 3254739 | Nintendo Co., Ltd.                                                                 | 30/01/2017 | 3254739 | 17153687.3 |        |
| 3254810 | Hangzhou Great Star Tools Co., Ltd.<br>Hangzhou Great Star Industrial Co.,<br>Ltd. | 06/02/2015 | 3254810 | 15880740.4 |        |
| 3254895 | Bruegelmann, Dirk                                                                  | 15/05/2017 | 3254895 | 17000825.4 | German |
| 3255132 | Reckitt Benckiser Finish B.V.                                                      | 06/10/2010 | 3255132 | 17181922.0 |        |
| 3255430 | Vitargent (International) Biotechnology<br>Limited                                 | 08/06/2017 | 3255430 | 17175053.2 |        |
| 3255885 | Sony Interactive Entertainment Inc.                                                | 29/01/2016 | 3255885 | 16746545.9 |        |

|         |                                                                                 |            |         |            |        |
|---------|---------------------------------------------------------------------------------|------------|---------|------------|--------|
| 3256164 | Memorial Sloan Kettering Cancer Center<br>MASSACHUSETTS INSTITUTE OF TECHNOLOGY | 09/02/2016 | 3256164 | 16749705.6 |        |
| 3256182 | Medela Holding AG                                                               | 10/02/2016 | 3256182 | 16710488.4 |        |
| 3256242 | Sartorius Stedim Biotech GmbH                                                   | 12/05/2016 | 3256242 | 16726010.8 | German |
| 3256584 | Paragon Genomics, Inc.                                                          | 11/02/2016 | 3256584 | 16749846.8 |        |
| 3256593 | DEAKIN UNIVERSITY                                                               | 11/02/2016 | 3256593 | 16748486.4 |        |
| 3256604 | Illumina, Inc.                                                                  | 10/02/2016 | 3256604 | 16711039.4 |        |
| 3256623 | Rio Tinto Alcan International Limited                                           | 05/02/2016 | 3256623 | 16748782.6 | French |
| 3256858 | B.R.A.H.M.S GmbH                                                                | 09/02/2016 | 3256858 | 16709289.9 |        |
| 3257450 | Covidien LP                                                                     | 13/06/2017 | 3257450 | 17175656.2 |        |
| 3257586 | Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.            | 17/06/2016 | 3257586 | 16001367.8 | German |
| 3257676 | Funai Electric Co., Ltd.                                                        | 14/06/2017 | 3257676 | 17175934.3 |        |
| 3257907 | Konica Minolta, Inc.                                                            | 02/02/2016 | 3257907 | 16749096.0 |        |
| 3257976 | Toray Industries, Inc.                                                          | 03/02/2016 | 3257976 | 16749111.7 |        |
| 3258424 | Tendyron Corporation                                                            | 28/01/2016 | 3258424 | 16748616.6 |        |
| 3258443 | Kabushiki Kaisha Toshiba                                                        | 27/02/2017 | 3258443 | 17158231.5 |        |
| 3258565 | Mitsubishi Electric Corporation                                                 | 09/02/2015 | 3258565 | 15881909.4 |        |
| 3258869 | Galil Medical Inc.                                                              | 12/02/2016 | 3258869 | 16708281.7 |        |
| 3259488 | E. I. du Pont de Nemours and Company                                            | 11/02/2016 | 3259488 | 16708261.9 |        |
| 3259515 | Viega GmbH & Co. KG                                                             | 11/02/2016 | 3259515 | 16703975.9 | German |
| 3259892 | Universität der Bundeswehr München                                              | 03/02/2016 | 3259892 | 16706543.2 |        |
| 3259970 | Solemat                                                                         | 22/06/2017 | 3259970 | 17177393.0 | French |
| 3259978 | AGCO Feucht GmbH<br>AGCO Corporation                                            | 07/06/2017 | 3259978 | 17174765.2 |        |
| 3260365 | The Boeing Company                                                              | 06/10/2014 | 3260365 | 17181045.0 |        |
| 3260395 | Interroll Holding AG                                                            | 09/11/2016 | 3260395 | 16290215.9 |        |
| 3260493 | Kingfa Sci. & Tech. Co., Ltd.                                                   | 15/12/2016 | 3260493 | 16884775.4 |        |
| 3260790 | Mitsubishi Electric Corporation                                                 | 18/02/2015 | 3260790 | 15882576.0 |        |
| 3261320 | Deutsche Telekom AG                                                             | 24/06/2016 | 3261320 | 16020248.7 | German |
| 3261707 | SurModics, Inc.                                                                 | 25/02/2016 | 3261707 | 16709882.1 |        |
| 3261718 | The Administrators of The Tulane Educational Fund<br>Ochsner Clinic Foundation  | 23/02/2016 | 3261718 | 16756214.9 |        |
| 3261833 | Ranpak Corporation                                                              | 09/02/2016 | 3261833 | 16705690.2 |        |

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|---------|------------------------------------------------------|------------|---------|------------|--------|
| 3261913 | Thales                                               | 26/02/2016 | 3261913 | 16707698.3 | French |
| 3262409 | Omrix Biopharmaceuticals Ltd.                        | 24/02/2016 | 3262409 | 16717475.4 |        |
| 3262482 | Microsoft Technology Licensing, LLC                  | 09/02/2016 | 3262482 | 16708515.8 |        |
| 3262992 | Xenex Disinfection Services Inc.                     | 08/10/2014 | 3262992 | 17184930.0 |        |
| 3263084 | Hill-Rom Services, Inc.                              | 29/12/2016 | 3263084 | 16207369.6 |        |
| 3263151 | Terumo Kabushiki Kaisha                              | 23/02/2016 | 3263151 | 16755455.9 |        |
| 3263325 | GAMBINI S.p.A.                                       | 07/06/2017 | 3263325 | 17174830.4 |        |
| 3263354 | FUJIFILM Corporation                                 | 10/02/2016 | 3263354 | 16755225.6 |        |
| 3263355 | FUJIFILM Corporation                                 | 22/02/2016 | 3263355 | 16755401.3 |        |
| 3263589 | PepTcell Limited                                     | 05/02/2007 | 3263589 | 17180723.3 |        |
| 3263881 | Caterpillar Motoren GmbH & Co. KG                    | 01/07/2016 | 3263881 | 16177558.0 |        |
| 3263933 | The Boeing Company                                   | 28/03/2017 | 3263933 | 17163320.9 |        |
| 3264159 | Panasonic Intellectual Property Management Co., Ltd. | 19/10/2016 | 3264159 | 16886824.8 |        |
| 3264879 | FUJI Corporation                                     | 24/02/2015 | 3264879 | 15883167.7 |        |
| 3265950 | Microsoft Technology Licensing, LLC                  | 19/02/2016 | 3265950 | 16708301.3 |        |
| 3266246 | Qualcomm Incorporated                                | 02/02/2016 | 3266246 | 16704353.8 |        |
| 3266620 | Toshiba TEC Kabushiki Kaisha                         | 07/07/2017 | 3266620 | 17180331.5 |        |
| 3266878 | bioMérieux                                           | 08/07/2016 | 3266878 | 16178636.3 |        |
| 3267132 | LG Electronics Inc.                                  | 07/07/2017 | 3267132 | 17180270.5 |        |
| 3267134 | South China University of Technology                 | 29/12/2015 | 3267134 | 15883840.9 |        |
| 3267184 | Bruker Nano GmbH<br>University of Strathclyde        | 07/07/2016 | 3267184 | 16178468.1 |        |
| 3267825 | Nike Innovate C.V.                                   | 18/12/2015 | 3267825 | 15841028.2 |        |
| 3268690 | Raytheon Company                                     | 12/01/2016 | 3268690 | 16701705.2 |        |
| 3270548 | Honeywell International Inc.                         | 27/06/2017 | 3270548 | 17178237.8 |        |
| 3270560 | Siemens Aktiengesellschaft                           | 12/07/2016 | 3270560 | 16179006.8 | German |
| 3272419 | SYSMEX CORPORATION                                   | 29/06/2017 | 3272419 | 17178695.7 |        |
| 3272537 | Funai Electric Co., Ltd.                             | 19/07/2017 | 3272537 | 17182097.0 |        |
| 3272906 | Nippon Steel Corporation                             | 31/03/2016 | 3272906 | 16773187.6 |        |
| 3274031 | Maquet Critical Care AB                              | 26/03/2015 | 3274031 | 15716185.2 |        |
| 3274511 | Alfred Kärcher SE & Co. KG                           | 25/03/2015 | 3274511 | 15713432.1 | German |
| 3274594 | Mehtiyev, Elshan Gatam Ogly                          | 02/06/2015 | 3274594 | 15742129.8 |        |
| 3274816 | Intel Corporation                                    | 05/02/2016 | 3274816 | 16773615.6 |        |
| 3274827 | Intel Corporation                                    | 25/02/2016 | 3274827 | 16773661.0 |        |
| 3275155 | Microsoft Technology Licensing, LLC                  | 26/04/2016 | 3275155 | 16724500.0 |        |
| 3276189 | KAMAX Holding GmbH & Co. KG                          | 29/08/2016 | 3276189 | 16186168.7 | German |

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| 3276330 | SYSMEX CORPORATION                                                                               | 25/07/2017 | 3276330 | 17182965.8 |        |
| 3276432 | Omega SA                                                                                         | 26/07/2016 | 3276432 | 16181139.3 | French |
| 3276909 | Giesecke+Devrient Mobile Security GmbH                                                           | 26/07/2017 | 3276909 | 17001286.8 | German |
| 3277036 | Huawei Technologies Co., Ltd.                                                                    | 15/05/2015 | 3277036 | 15892095.9 |        |
| 3278082 | Particle Measuring Systems, Inc.                                                                 | 01/04/2016 | 3278082 | 16774316.0 |        |
| 3278191 | Breville Pty Limited                                                                             | 29/03/2016 | 3278191 | 16771082.1 |        |
| 3278389 | Fundación Centro de Investigación Cooperativa de Energías Alternativas, CIC Energigune Fundazioa | 31/03/2016 | 3278389 | 16712888.3 |        |
| 3278512 | Telefonaktiebolaget LM Ericsson (publ)                                                           | 01/04/2015 | 3278512 | 15887392.7 |        |
| 3278606 | Telefonaktiebolaget LM Ericsson (publ)                                                           | 30/03/2016 | 3278606 | 16716934.1 |        |
| 3278699 | Daio Paper Corporation                                                                           | 30/03/2016 | 3278699 | 16773026.6 |        |
| 3279014 | Toyota Jidosha Kabushiki Kaisha                                                                  | 31/03/2016 | 3279014 | 16773142.1 |        |
| 3279305 | The Procter & Gamble Company                                                                     | 12/05/2017 | 3279305 | 17170753.2 |        |
| 3279886 | Samsung Display Co., Ltd.                                                                        | 11/05/2017 | 3279886 | 17170542.9 |        |
| 3280872 | Canrig Robotic Technologies AS                                                                   | 04/04/2016 | 3280872 | 16776974.4 |        |
| 3281117 | Thorlabs, Inc.                                                                                   | 07/04/2016 | 3281117 | 16777285.4 |        |
| 3281174 | Bendix Commercial Vehicle Systems, LLC                                                           | 06/04/2016 | 3281174 | 16718084.3 |        |
| 3281319 | Telefonaktiebolaget LM Ericsson (publ)                                                           | 05/04/2016 | 3281319 | 16714867.5 |        |
| 3281904 | Otis Elevator Company                                                                            | 09/08/2016 | 3281904 | 16306035.3 |        |
| 3282322 | Kyocera Document Solutions Inc.                                                                  | 02/02/2016 | 3282322 | 16776307.7 |        |
| 3282626 | LG Electronics Inc.                                                                              | 06/04/2016 | 3282626 | 16776841.5 |        |
| 3282886 | Gaudier Kuppel Group Sarl                                                                        | 11/04/2016 | 3282886 | 16717311.1 | French |
| 3283816 | ZKW Group GmbH                                                                                   | 24/02/2016 | 3283816 | 16709689.0 | German |
| 3284165 | Lion Semiconductor Inc.                                                                          | 06/04/2016 | 3284165 | 16780469.9 |        |
| 3284436 | Biocetec Co., Ltd                                                                                | 28/07/2015 | 3284436 | 15889294.3 |        |
| 3285206 | Fujitsu Limited                                                                                  | 31/07/2017 | 3285206 | 17184017.6 |        |
| 3285442 | British Telecommunications public limited company                                                | 15/08/2017 | 3285442 | 17186310.3 |        |
| 3285791 | Maria Clementine Martin Klosterfrau Vertriebsgesellschaft mbH                                    | 08/06/2016 | 3285791 | 16738365.2 | German |
| 3285930 | Andreas Hettich GmbH & Co. KG                                                                    | 22/04/2016 | 3285930 | 16723944.1 | German |
| 3286122 | Kone Corporation                                                                                 | 21/06/2016 | 3286122 | 16730409.6 |        |
| 3286184 | Children's Medical Center Corporation                                                            | 15/04/2016 | 3286184 | 16783626.1 |        |
| 3287044 | BOCK 1 GmbH & Co. KG                                                                             | 16/08/2017 | 3287044 | 17020358.2 | German |

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|---------|-------------------------------------------------------------------------|------------|---------|------------|--------|
| 3287487 | Fujikura Ltd.                                                           | 23/06/2016 | 3287487 | 16814425.1 |        |
| 3287748 | Deutsche Telekom AG                                                     | 22/08/2016 | 3287748 | 16020309.7 |        |
| 3287883 | Huawei Technologies Co., Ltd.                                           | 31/08/2015 | 3287883 | 15902563.4 |        |
| 3287885 | BlackBerry Limited                                                      | 14/08/2017 | 3287885 | 17186132.1 |        |
| 3288232 | Huawei Technologies Co., Ltd.                                           | 01/12/2016 | 3288232 | 16880881.4 |        |
| 3288252 | LG Electronics Inc.                                                     | 10/11/2016 | 3288252 | 16002378.4 |        |
| 3288281 | LG Electronics Inc.                                                     | 21/08/2017 | 3288281 | 17187117.1 |        |
| 3288358 | Deere & Company                                                         | 26/07/2017 | 3288358 | 17183402.1 |        |
| 3288861 | Société des Produits Nestlé S.A.                                        | 23/02/2016 | 3288861 | 16705800.7 |        |
| 3289088 | Engenes Biotech GmbH                                                    | 29/04/2016 | 3289088 | 16722817.0 |        |
| 3289182 | Siemens Aktiengesellschaft                                              | 21/06/2016 | 3289182 | 16733363.2 | German |
| 3289262 | Samson Aktiengesellschaft                                               | 27/04/2016 | 3289262 | 16721387.5 | German |
| 3289438 | Vega France                                                             | 28/04/2016 | 3289438 | 16724296.5 | French |
|         | Centre National d'Etudes Spatiales                                      |            |         |            |        |
| 3289443 | Microchip Technology Incorporated                                       | 29/04/2016 | 3289443 | 16725962.1 |        |
| 3289507 | Bundesdruckerei GmbH                                                    | 25/04/2016 | 3289507 | 16718359.9 | German |
| 3289691 | Commissariat à l'énergie atomique et<br>aux énergies alternatives       | 15/04/2016 | 3289691 | 16723418.6 | French |
|         | BUBENDORFF Société Anonyme                                              |            |         |            |        |
| 3290039 | Amabiotics                                                              | 30/08/2016 | 3290039 | 16306094.0 |        |
| 3290149 | Otis Elevator Company                                                   | 28/08/2017 | 3290149 | 17188128.7 |        |
| 3290379 | Otis Elevator Company                                                   | 28/08/2017 | 3290379 | 17188129.5 |        |
| 3290934 | NXP USA, Inc.                                                           | 08/08/2017 | 3290934 | 17185242.9 |        |
| 3290948 | Siemens Aktiengesellschaft                                              | 31/08/2016 | 3290948 | 16186584.5 | German |
| 3291426 | Mitsuba Corporation                                                     | 25/04/2016 | 3291426 | 16786458.6 |        |
| 3291451 | HUAWEI TECHNOLOGIES CO.,<br>LTD.                                        | 30/08/2017 | 3291451 | 17188581.7 |        |
| 3291452 | Alcatel Lucent                                                          | 30/08/2016 | 3291452 | 16306093.2 |        |
| 3291470 | Fraunhofer-Gesellschaft zur Förderung<br>der angewandten Forschung e.V. | 30/08/2016 | 3291470 | 16186389.9 |        |
| 3291509 | Konica Minolta, Inc.                                                    | 28/08/2017 | 3291509 | 17188119.6 |        |
| 3291871 | Strait Access Technologies Holdings<br>(PTY) LTD                        | 05/05/2016 | 3291871 | 16723833.6 |        |
| 3292439 | Macdermid Graphics Solutions, LLC                                       | 08/04/2016 | 3292439 | 16783590.9 |        |
| 3293279 | Nippon Steel Corporation                                                | 06/05/2016 | 3293279 | 16789566.3 |        |
| 3293303 | Whirlpool Corporation                                                   | 28/07/2017 | 3293303 | 17183823.8 |        |
| 3293304 | LG ELECTRONICS INC.                                                     | 08/09/2017 | 3293304 | 17190172.1 |        |



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|--------------|--------------------------------------------------------------------------------------|--------------------------------------------------------|---------|------------|--------|
| 3293776      | LG Chem, Ltd.                                                                        | 02/11/2016                                             | 3293776 | 16864504.2 | German |
| 3293912      | Deutsche Telekom AG                                                                  | 12/09/2016                                             | 3293912 | 16188340.0 |        |
| 3294261      | Unilever N.V.<br>Unilever PLC                                                        | 22/04/2016                                             | 3294261 | 16721378.4 |        |
| 3294393      | Smpl Innovations Ltd.                                                                | 12/05/2016                                             | 3294393 | 16722527.5 | German |
| 3294461      | Rosmarin Holdings Limited                                                            | 09/05/2016                                             | 3294461 | 16724325.2 |        |
| 3294488      | Bystronic Laser AG                                                                   | 13/05/2016                                             | 3294488 | 16725591.8 |        |
| 3294541      | Ranpak Corp.                                                                         | 13/05/2016                                             | 3294541 | 16725992.8 | German |
| 3295040      | Rexsitt Italia S.r.l.                                                                | 25/08/2015                                             | 3295040 | 15771030.2 |        |
| 3295483      | Micron Technology, Inc.                                                              | 19/04/2016                                             | 3295483 | 16793133.6 |        |
| 3296063      | Black & Decker Inc.                                                                  | 22/06/2017                                             | 3296063 | 17177403.7 | German |
| 3296065      | Robert Bosch GmbH                                                                    | 23/06/2014                                             | 3296065 | 17195361.5 |        |
| 3296072      | Whirlpool Corporation                                                                | 04/08/2017                                             | 3296072 | 17184952.4 |        |
| 3296127      | Sumitomo Rubber Industries, Ltd.                                                     | 24/08/2017                                             | 3296127 | 17187653.5 | German |
| 3296517      | United Technologies Corporation                                                      | 18/09/2017                                             | 3296517 | 17191555.6 |        |
| 3297190      | Sharp Kabushiki Kaisha                                                               | 13/05/2016                                             | 3297190 | 16792765.6 |        |
| 3297360      | NEC Corporation                                                                      | 25/02/2016                                             | 3297360 | 16796038.4 | German |
| 3297657      | Genkin, Dmitry Dmitrievich<br>Tets, Georgy Viktorovich<br>Tets, Viktor Veniaminovich | 11/05/2016                                             | 3297657 | 16800375.4 |        |
| 3297855      | Compagnie Générale des<br>Etablissements Michelin                                    | 23/05/2016                                             | 3297855 | 16724421.9 |        |
| 3298305      | Magna PT B.V. & Co. KG                                                               | 25/04/2016                                             | 3298305 | 16719831.6 | German |
| 3298450      | Barco N.V.                                                                           | 21/05/2015                                             | 3298450 | 15727901.9 |        |
| 3298754      | Microsoft Technology Licensing, LLC                                                  | 06/05/2016                                             | 3298754 | 16723008.5 |        |
| 3299328      | Otis Elevator Company                                                                | 01/08/2017                                             | 3299328 | 17184215.6 | German |
| 3299551      | ASSA ABLOY Sicherheitstechnik<br>GmbH                                                | 18/09/2017                                             | 3299551 | 17191560.6 |        |
| 3299566      | VKR Holding A/S                                                                      | 03/02/2009                                             | 3299566 | 17189744.0 |        |
| 3299660      | NTN Corporation                                                                      | 10/05/2016                                             | 3299660 | 16796331.3 | German |
| 3299866      | Panasonic Intellectual Property<br>Management Co., Ltd.                              | 13/06/2016                                             | 3299866 | 16817423.3 |        |
| 3299878      | Samsung Electronics Co., Ltd.                                                        | 22/09/2017                                             | 3299878 | 17192715.5 |        |
| 3299991      | Commissariat à l'Energie Atomique et<br>aux Energies Alternatives                    | 25/09/2017                                             | 3299991 | 17192979.7 | French |
| 3300057      | KOTOBUKI Medical Inc.                                                                | 06/06/2016                                             | 3300057 | 16824170.1 |        |
| 3300070      | Samsung Display Co., Ltd.                                                            | 20/07/2017                                             | 3300070 | 17182446.9 |        |

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|---------|--------------------------------------------------------------------|------------|---------|------------|--------|
| 3300092 | Schneider Electric (Australia) Pty Limited                         | 21/09/2017 | 3300092 | 17192316.2 |        |
| 3300315 | Huawei Technologies Co., Ltd.                                      | 05/12/2013 | 3300315 | 17171871.1 |        |
| 3300415 | Huawei Technologies Co., Ltd.                                      | 06/06/2016 | 3300415 | 16817114.8 |        |
| 3300432 | Huawei Technologies Co., Ltd.                                      | 29/06/2016 | 3300432 | 16817252.6 |        |
| 3300486 | battenfeld-cincinnati Germany GmbH                                 | 22/04/2016 | 3300486 | 16717948.0 | German |
| 3300602 | BASF SE                                                            | 12/06/2013 | 3300602 | 17193945.7 |        |
| 3300621 | The North Face Apparel Corp.                                       | 23/06/2016 | 3300621 | 17202258.4 |        |
| 3300920 | Sumitomo Rubber Industries, Ltd.                                   | 08/09/2017 | 3300920 | 17190016.0 |        |
| 3301053 | Otis Elevator Company                                              | 22/09/2017 | 3301053 | 17192560.5 |        |
| 3301056 | Otis Elevator Company                                              | 22/09/2017 | 3301056 | 17192580.3 |        |
| 3301177 | Alnylam Pharmaceuticals, Inc.                                      | 16/11/2012 | 3301177 | 17184486.3 |        |
| 3301362 | Siemens Aktiengesellschaft                                         | 30/09/2016 | 3301362 | 16191924.6 | German |
| 3301801 | NXP USA, Inc.                                                      | 02/08/2017 | 3301801 | 17184494.7 |        |
| 3302028 | Eurolastic                                                         | 01/06/2016 | 3302028 | 16732453.2 | French |
| 3302082 | Société des Produits Nestlé S.A.                                   | 27/05/2016 | 3302082 | 16727381.2 |        |
| 3302145 | Nike Innovate C.V.                                                 | 19/05/2016 | 3302145 | 16800514.8 |        |
| 3302178 | Steelcase Inc.                                                     | 27/05/2015 | 3302178 | 15739324.0 | German |
| 3302463 | Biophytis                                                          | 27/05/2016 | 3302463 | 16733153.7 | French |
|         | SORBONNE UNIVERSITE                                                |            |         |            |        |
|         | Centre National de la Recherche Scientifique (CNRS)                |            |         |            |        |
|         | INSERM (Institut National de la Santé et de la Recherche Médicale) |            |         |            |        |
| 3302949 | Bridgestone Bandag, LLC                                            | 25/05/2016 | 3302949 | 16800646.8 |        |
| 3302961 | INTEL Corporation                                                  | 14/04/2016 | 3302961 | 16803894.1 |        |
| 3303111 | Radio Flyer, Inc.                                                  | 02/06/2016 | 3303111 | 16804418.8 |        |
| 3303300 | OLON S.p.A.                                                        | 24/05/2016 | 3303300 | 16729797.7 |        |
| 3303829 | W4P Waves4power AB                                                 | 31/05/2016 | 3303829 | 16807905.1 |        |
| 3304625 | Hydro-Québec                                                       | 04/01/2016 | 3304625 | 16798981.3 | French |
|         | Transfert Plus, S.E.C.                                             |            |         |            |        |
| 3304662 | OSRAM Opto Semiconductors GmbH                                     | 25/05/2016 | 3304662 | 16725514.0 | German |
| 3304760 | Nike Innovate C.V.                                                 | 24/05/2016 | 3304760 | 16800637.7 |        |
| 3304944 | Intel Corporation                                                  | 03/06/2015 | 3304944 | 15893712.8 |        |
| 3305158 | Daio Paper Corporation                                             | 30/03/2016 | 3305158 | 16802896.7 |        |
| 3305369 | Guided Therapy Systems, L.L.C.                                     | 06/10/2005 | 3305369 | 17192351.9 |        |
| 3305491 | Oh, Gun Jae                                                        | 06/11/2015 | 3305491 | 15893449.7 |        |

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| 3305860 | Shin-Etsu Chemical Co., Ltd.                                                                                                                                                                                                           | 02/10/2017 | 3305860 | 17194292.3 |        |
| 3306032 | Fugro Engineers B.V.                                                                                                                                                                                                                   | 02/10/2017 | 3306032 | 17194339.2 |        |
| 3306084 | Panasonic Appliances Refrigeration<br>Devices Singapore                                                                                                                                                                                | 27/05/2016 | 3306084 | 16799591.9 |        |
| 3306319 | Denka Seiken Co., Ltd.                                                                                                                                                                                                                 | 27/05/2016 | 3306319 | 16803232.4 |        |
| 3306476 | Huawei Technologies Co., Ltd.                                                                                                                                                                                                          | 12/09/2016 | 3306476 | 16883210.3 |        |
| 3306676 | Sumitomo Electric Industries, Ltd.                                                                                                                                                                                                     | 05/02/2016 | 3306676 | 16799604.0 |        |
| 3306989 | NTT DoCoMo, Inc.                                                                                                                                                                                                                       | 23/06/2016 | 3306989 | 16814449.1 |        |
| 3307053 | STW S.r.l.                                                                                                                                                                                                                             | 09/06/2016 | 3307053 | 16739564.9 |        |
| 3307436 | Heriot-Watt University                                                                                                                                                                                                                 | 10/06/2016 | 3307436 | 16729341.4 |        |
| 3308227 | Johnson Controls Technology Company                                                                                                                                                                                                    | 10/06/2016 | 3308227 | 16808462.2 |        |
| 3308236 | Hydac Fluidtechnik GmbH                                                                                                                                                                                                                | 02/06/2016 | 3308236 | 16727304.4 | German |
| 3308387 | Novelis Inc.                                                                                                                                                                                                                           | 08/06/2016 | 3308387 | 16730656.2 |        |
| 3308440 | Siemens Aktiengesellschaft                                                                                                                                                                                                             | 30/07/2015 | 3308440 | 15744918.2 | German |
| 3308580 | Intel IP Corporation                                                                                                                                                                                                                   | 24/12/2015 | 3308580 | 15851634.4 |        |
| 3308954 | SIG Technology AG                                                                                                                                                                                                                      | 17/10/2016 | 3308954 | 16194222.2 |        |
| 3309108 | Otis Elevator Company                                                                                                                                                                                                                  | 14/10/2016 | 3309108 | 16193910.3 |        |
| 3309184 | LG Chem, Ltd.                                                                                                                                                                                                                          | 28/12/2016 | 3309184 | 16882097.5 |        |
| 3309243 | The Procter & Gamble Company                                                                                                                                                                                                           | 23/06/2017 | 3309243 | 17177674.3 |        |
| 3309259 | Toray Industries, Inc.                                                                                                                                                                                                                 | 09/06/2016 | 3309259 | 16807564.6 |        |
| 3309560 | Insta GmbH                                                                                                                                                                                                                             | 15/08/2017 | 3309560 | 17186233.7 | German |
| 3309652 | Gamber-Johnson LLC                                                                                                                                                                                                                     | 10/10/2017 | 3309652 | 17195820.0 |        |
| 3309998 | HUAWEI TECHNOLOGIES CO.,<br>LTD.                                                                                                                                                                                                       | 11/10/2017 | 3309998 | 17196006.5 |        |
| 3310166 | BASF SE                                                                                                                                                                                                                                | 08/06/2016 | 3310166 | 16727520.5 |        |
| 3310212 | BOCK 1 GmbH & Co. KG                                                                                                                                                                                                                   | 13/06/2016 | 3310212 | 16730251.2 | German |
| 3310455 | Saudi Arabian Oil Company                                                                                                                                                                                                              | 09/06/2016 | 3310455 | 16738238.1 |        |
| 3310700 | Otis Elevator Company                                                                                                                                                                                                                  | 19/06/2015 | 3310700 | 15774963.1 |        |
| 3310973 | Nitunga, Libère                                                                                                                                                                                                                        | 25/05/2016 | 3310973 | 16728392.8 | French |
| 3311824 | The Board of Trustees of the Leland<br>Stanford Junior University<br>The United States of America, as<br>represented by The Secretary,<br>Department of Health and Human<br>Services<br>The Regents of the University of<br>California | 05/02/2014 | 3311824 | 17194591.8 |        |

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| 3312062 | Valeo Systèmes d'Essuyage                                                                                                                 | 13/10/2017 | 3312062 | 17196316.8 | French |
| 3312536 | Fraunhofer-Gesellschaft zur Förderung<br>der angewandten Forschung e.V.                                                                   | 08/09/2017 | 3312536 | 17190030.1 | German |
| 3313004 | Commscope Technologies LLC                                                                                                                | 22/06/2009 | 3313004 | 17200443.4 |        |
| 3313291 | Koninklijke Philips N.V.                                                                                                                  | 22/06/2016 | 3313291 | 16732579.4 |        |
| 3313465 | MBP (Mauritius) Ltd                                                                                                                       | 20/06/2016 | 3313465 | 16741662.7 | French |
| 3313606 | University Of Dundee                                                                                                                      | 24/06/2016 | 3313606 | 16741107.3 |        |
| 3313712 | ZF Friedrichshafen AG                                                                                                                     | 23/05/2016 | 3313712 | 16724411.0 | German |
| 3314169 | FOXUS B.V.                                                                                                                                | 22/06/2016 | 3314169 | 16750509.8 |        |
| 3314384 | Tangi0 Limited                                                                                                                            | 23/06/2016 | 3314384 | 16732229.6 |        |
| 3315505 | Jiangsu Tasly Diyi Pharmaceutical Co.,<br>Ltd.                                                                                            | 21/06/2016 | 3315505 | 16813692.7 |        |
| 3316052 | Schneider Electric Systems USA, Inc.                                                                                                      | 20/10/2017 | 3316052 | 17197502.2 |        |
| 3316304 | Semiconductor Manufacturing<br>International (Beijing) Corporation<br>Semiconductor Manufacturing<br>International (Shanghai) Corporation | 30/10/2017 | 3316304 | 17199135.9 |        |
| 3316927 | Koninklijke Philips N.V.                                                                                                                  | 23/06/2016 | 3316927 | 16733213.9 |        |
| 3316943 | Novo Nordisk A/S                                                                                                                          | 01/07/2016 | 3316943 | 16733979.5 |        |
| 3317072 | Synventive Molding Solutions, Inc.                                                                                                        | 07/10/2015 | 3317072 | 15784228.7 |        |
| 3317154 | Volvo Truck Corporation                                                                                                                   | 02/07/2015 | 3317154 | 15735907.6 |        |
| 3317222 | Liebherr-Components Biberach GmbH                                                                                                         | 22/06/2016 | 3317222 | 16736791.1 | German |
| 3317878 | Fraunhofer-Gesellschaft zur Förderung<br>der angewandten Forschung e.V.                                                                   | 30/06/2016 | 3317878 | 16736029.6 | German |
| 3318115 | Rotecna, S.A.                                                                                                                             | 24/10/2017 | 3318115 | 17382710.6 |        |
| 3318309 | Skis Rossignol                                                                                                                            | 02/11/2017 | 3318309 | 17199771.1 | French |
| 3318529 | Otis Elevator Company                                                                                                                     | 03/11/2017 | 3318529 | 17200016.8 |        |
| 3318933 | MONTRES BREGUET S.A.                                                                                                                      | 02/11/2016 | 3318933 | 16196926.6 | French |
| 3319519 | Koninklijke Philips N.V.                                                                                                                  | 08/07/2016 | 3319519 | 16736873.7 |        |
| 3320521 | Atomic Oncology Pty Ltd                                                                                                                   | 11/07/2016 | 3320521 | 16820580.5 |        |
| 3320812 | Pauck, Steffen M.                                                                                                                         | 10/11/2017 | 3320812 | 17001846.9 | German |
| 3320838 | Biosense Webster (Israel) Ltd.                                                                                                            | 13/11/2017 | 3320838 | 17201290.8 |        |
| 3321142 | Yamaha Hatsudoki Kabushiki Kaisha                                                                                                         | 14/06/2016 | 3321142 | 16821192.8 |        |
| 3321710 | NXP USA, Inc.                                                                                                                             | 09/11/2016 | 3321710 | 16197988.5 |        |
| 3321901 | Nuctech Company Limited                                                                                                                   | 17/08/2016 | 3321901 | 16840733.6 |        |
| 3322044 | Sumitomo Wiring Systems, Ltd.                                                                                                             | 17/06/2016 | 3322044 | 16821217.3 |        |
| 3322176 | Canon Kabushiki Kaisha                                                                                                                    | 09/11/2017 | 3322176 | 17200760.1 |        |

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| 3322251 | Huawei Technologies Co., Ltd.                              | 19/08/2016 | 3322251 | 16836682.1 |        |
| 3322263 | Korea Basic Science Institute                              | 06/11/2017 | 3322263 | 17200087.9 |        |
| 3322430 | Nuritas Limited                                            | 18/07/2016 | 3322430 | 16751491.8 |        |
| 3322621 | Volvo Construction Equipment AB                            | 16/07/2015 | 3322621 | 15898414.6 |        |
| 3322778 | ENGIE                                                      | 12/07/2016 | 3322778 | 16757688.3 | French |
| 3323385 | Cook Medical Technologies LLC                              | 10/11/2017 | 3323385 | 17275181.0 |        |
| 3323476 | Salewa Sport AG                                            | 20/11/2017 | 3323476 | 17202562.9 | German |
| 3323491 | Mahle International GmbH                                   | 25/10/2017 | 3323491 | 17198325.7 | German |
| 3323889 | Danisco US Inc.                                            | 20/11/2008 | 3323889 | 17205190.6 |        |
| 3324483 | GUANGDONG OPPO MOBILE<br>TELECOMMUNICATIONS CORP.,<br>LTD. | 01/08/2017 | 3324483 | 17184222.2 |        |
| 3325369 | Kuo, Tse Huang                                             | 23/07/2015 | 3325369 | 15898671.1 |        |
| 3325610 | Ares Trading S.A.                                          | 07/07/2016 | 3325610 | 16736447.0 |        |
| 3325799 | MTU Friedrichshafen GmbH                                   | 01/07/2016 | 3325799 | 16734559.4 | German |
| 3325831 | Schaeffler Technologies AG & Co. KG                        | 06/07/2016 | 3325831 | 16751471.0 | German |
| 3326060 | Qualcomm Incorporated                                      | 21/06/2016 | 3326060 | 16732213.0 |        |
| 3326100 | Bitdefender IPR Management Ltd.                            | 04/07/2016 | 3326100 | 16741887.0 |        |
| 3326108 | Roam Data, Inc.                                            | 20/07/2016 | 3326108 | 16744542.8 | French |
| 3326113 | Systemes Et Technologies Identification                    | 21/07/2016 | 3326113 | 16757298.1 | French |
| 3326248 | Everet Duklair S.r.l.                                      | 15/07/2016 | 3326248 | 16778896.7 |        |
| 3326667 | Nikkiso Company Limited                                    | 21/07/2016 | 3326667 | 16827834.9 |        |
| 3327011 | Merck Patent GmbH                                          | 23/02/2015 | 3327011 | 17209266.0 | German |
| 3327053 | Kuraray Co., Ltd.                                          | 14/07/2016 | 3327053 | 16827714.3 |        |
| 3327144 | Novartis AG                                                | 24/02/2014 | 3327144 | 17206756.3 |        |
| 3327206 | Tata Consultancy Services Limited                          | 27/03/2017 | 3327206 | 17163032.0 |        |
| 3327210 | TECE GmbH                                                  | 04/09/2017 | 3327210 | 17189267.2 | German |
| 3327289 | Toshiba Carrier Corporation                                | 11/04/2016 | 3327289 | 16830110.9 |        |
| 3327322 | NOK Corporation                                            | 29/08/2016 | 3327322 | 16841784.8 |        |
| 3327798 | NICHIA CORPORATION                                         | 17/02/2016 | 3327798 | 17202535.5 |        |
| 3328065 | GUANGDONG OPPO MOBILE<br>TELECOMMUNICATIONS CORP.,<br>LTD. | 27/11/2017 | 3328065 | 17203803.6 |        |
| 3328196 | Solvoluta GmbH                                             | 19/07/2016 | 3328196 | 16756569.6 | German |
| 3328465 | Sanofi-Aventis Deutschland GmbH                            | 26/07/2016 | 3328465 | 16741966.2 |        |
| 3328783 | JENOPTIK Advanced Systems GmbH                             | 29/07/2016 | 3328783 | 16744787.9 | German |
| 3328999 | Arcis Biotechnology Holdings Limited                       | 28/07/2016 | 3328999 | 16747579.7 |        |

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| 3329077 | Saint-Gobain Glass France S.A.                     | 23/06/2016 | 3329077 | 16731892.2 | German |
| 3330399 | NETUREN CO., LTD.<br>Nippon Steel Corporation      | 27/07/2016 | 3330399 | 16830562.1 |        |
| 3330466 | dormakaba Deutschland GmbH                         | 02/12/2016 | 3330466 | 16202033.3 | German |
| 3330472 | dormakaba Deutschland GmbH                         | 02/12/2016 | 3330472 | 16202036.6 | German |
| 3330473 | dormakaba Deutschland GmbH                         | 02/12/2016 | 3330473 | 16202037.4 | German |
| 3330477 | dormakaba Deutschland GmbH                         | 02/12/2016 | 3330477 | 16202034.1 | German |
| 3330564 | Eagle Industry Co., Ltd.                           | 28/07/2016 | 3330564 | 16832882.1 |        |
| 3330940 | TTI (Macao Commercial Offshore)<br>Limited         | 30/11/2017 | 3330940 | 17204742.5 |        |
| 3331936 | Repsol, S.A.                                       | 03/08/2016 | 3331936 | 16750727.6 |        |
| 3332275 | Essilor International                              | 04/08/2016 | 3332275 | 16757710.5 | French |
| 3332991 | Sumitomo Rubber Industries, Ltd.                   | 20/09/2017 | 3332991 | 17192148.9 |        |
| 3333159 | Eastman Chemical Company                           | 10/05/2012 | 3333159 | 17203809.3 |        |
| 3333492 | Electrolux Appliances Aktiebolag                   | 07/12/2016 | 3333492 | 16202604.1 |        |
| 3333502 | Mitsubishi Electric Corporation                    | 07/08/2015 | 3333502 | 15900962.0 |        |
| 3333855 | GE-Hitachi Nuclear Energy Americas<br>LLC          | 07/12/2017 | 3333855 | 17206012.1 |        |
| 3334011 | GE Energy Power Conversion<br>Technology Ltd       | 07/12/2017 | 3334011 | 17205826.5 |        |
| 3334131 | Sony Mobile Communications Inc.                    | 04/07/2011 | 3334131 | 17207401.5 |        |
| 3334226 | Apple Inc.                                         | 05/02/2010 | 3334226 | 18152994.2 |        |
| 3334232 | Sharp Kabushiki Kaisha                             | 02/08/2016 | 3334232 | 16835019.7 |        |
| 3334233 | Sharp Kabushiki Kaisha                             | 02/08/2016 | 3334233 | 16835021.3 |        |
| 3334266 | FUJI Corporation                                   | 07/08/2015 | 3334266 | 15900961.2 |        |
| 3334303 | Nike Innovate C.V.                                 | 25/07/2016 | 3334303 | 16747691.0 |        |
| 3334926 | W4P Waves4power AB                                 | 30/07/2016 | 3334926 | 16835538.6 |        |
| 3335011 | Continental Teves AG & Co. OHG                     | 29/07/2016 | 3335011 | 16750688.0 | German |
| 3335033 | Ashwin-Ushas Corporation, Inc.                     | 26/08/2016 | 3335033 | 16842661.7 |        |
| 3335232 | Ellenberger & Poensgen GmbH                        | 21/07/2016 | 3335232 | 16750116.2 | German |
| 3335468 | Intel IP Corporation                               | 26/12/2015 | 3335468 | 15834698.1 |        |
| 3335785 | Fundación Tecnia Research &<br>Innovation          | 13/12/2016 | 3335785 | 16382598.7 |        |
| 3335928 | JSP CORPORATION                                    | 22/07/2016 | 3335928 | 16834941.3 |        |
| 3335934 | Tirsan Treyler Sanayi Ve Ticaret<br>Anonim Sirketi | 12/12/2017 | 3335934 | 17206636.7 |        |
| 3336811 | OTS Co., Ltd.                                      | 07/12/2017 | 3336811 | 17205806.7 |        |

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| 3336879 | Shindengen Electric Manufacturing Co., Ltd.                                                                                  | 12/08/2015 | 3336879 | 15889428.7 |        |
| 3337102 | Panasonic Intellectual Property Corporation of America                                                                       | 13/11/2015 | 3337102 | 18156427.9 |        |
| 3337184 | Sonion Nederland B.V.                                                                                                        | 14/12/2017 | 3337184 | 17207434.6 |        |
| 3337278 | Hewlett Packard Enterprise Development LP                                                                                    | 26/10/2017 | 3337278 | 17198533.6 |        |
| 3337409 | Hays, Inc.                                                                                                                   | 17/08/2016 | 3337409 | 16837773.7 |        |
| 3337833 | Centre National de la Recherche Scientifique<br>Ecole Supérieure de Physique et de Chimie Industrielles de la Ville de Paris | 22/08/2016 | 3337833 | 16758123.0 |        |
| 3337897 | Curiosity Diagnostics sp. z o.o                                                                                              | 10/08/2016 | 3337897 | 16770982.3 |        |
| 3338388 | Intel IP Corporation                                                                                                         | 26/12/2015 | 3338388 | 15834694.0 |        |
| 3338401 | Google LLC                                                                                                                   | 22/09/2016 | 3338401 | 16778157.4 |        |
| 3338672 | Ethicon LLC                                                                                                                  | 21/12/2017 | 3338672 | 17209414.6 |        |
| 3338695 | Ethicon LLC                                                                                                                  | 21/12/2017 | 3338695 | 17209498.9 |        |
| 3338775 | Everfront Biotech Inc.                                                                                                       | 03/06/2016 | 3338775 | 16836466.9 |        |
| 3339134 | Wanzl GmbH & Co. KGaA                                                                                                        | 04/12/2017 | 3339134 | 17205055.1 | German |
| 3339153 | Scott & Sargeant (Properties) Ltd                                                                                            | 18/12/2017 | 3339153 | 17208145.7 |        |
| 3339448 | Gen-Probe Incorporated                                                                                                       | 11/07/2013 | 3339448 | 18157235.5 |        |
| 3339513 | Terata, Hiroshi<br>Terata, Hiroko                                                                                            | 25/09/2015 | 3339513 | 15904738.0 |        |
| 3339675 | Toyo Tire Corporation                                                                                                        | 08/12/2017 | 3339675 | 17206127.7 |        |
| 3340022 | DAV                                                                                                                          | 22/12/2017 | 3340022 | 17210509.0 | French |
| 3340351 | Kyocera Corporation                                                                                                          | 18/08/2016 | 3340351 | 16839169.6 |        |
| 3340726 | Huawei Technologies Co., Ltd.                                                                                                | 05/09/2016 | 3340726 | 16843623.6 |        |
| 3340738 | Whirlpool Corporation                                                                                                        | 22/10/2017 | 3340738 | 17197662.4 |        |
| 3340826 | JSP Limited                                                                                                                  | 18/08/2016 | 3340826 | 16756752.8 |        |
| 3340954 | The Procter & Gamble Company                                                                                                 | 10/08/2016 | 3340954 | 16753550.9 |        |
| 3340959 | N.V. Nutricia                                                                                                                | 29/08/2016 | 3340959 | 16763981.4 |        |
| 3341200 | Hewlett-Packard Development Company, L.P.                                                                                    | 29/01/2016 | 3341200 | 16701829.0 |        |
| 3341412 | Scancell Limited                                                                                                             | 25/08/2016 | 3341412 | 16760541.9 |        |
| 3341684 | CPG Technologies, LLC                                                                                                        | 22/08/2016 | 3341684 | 16760272.1 |        |
| 3341813 | Qualcomm Incorporated                                                                                                        | 21/07/2016 | 3341813 | 16745962.7 |        |
| 3342153 | Samsung Electronics Co., Ltd.                                                                                                | 10/11/2016 | 3342153 | 16879169.7 |        |

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| 3342349 | Medicaroid Corporation                               | 18/12/2017 | 3342349 | 17207994.9 |        |
| 3342862 | Astellas Pharma Inc.<br>National Cancer Center       | 23/08/2016 | 3342862 | 16839252.0 |        |
| 3342863 | Astellas Pharma Inc.<br>National Cancer Center       | 23/08/2016 | 3342863 | 16839253.8 |        |
| 3343679 | KURARAY CO., LTD.                                    | 21/09/2016 | 3343679 | 16851320.8 |        |
| 3343846 | Huawei Technologies Co., Ltd.                        | 24/08/2016 | 3343846 | 16847967.3 |        |
| 3344418 | R.BIEMME-TECH S.r.l.                                 | 01/09/2016 | 3344418 | 16790731.0 |        |
| 3344427 | Stratasys Ltd.                                       | 01/09/2016 | 3344427 | 16770094.7 |        |
| 3344437 | Elopak AS                                            | 24/08/2016 | 3344437 | 16757863.2 |        |
| 3345057 | Signify Holding B.V.                                 | 09/08/2016 | 3345057 | 16753318.1 |        |
| 3345357 | Thales                                               | 31/08/2016 | 3345357 | 16759759.0 | French |
| 3345384 | Samsung Electronics Co., Ltd.                        | 01/09/2016 | 3345384 | 16842307.7 |        |
| 3345673 | Carrier Corporation                                  | 11/07/2012 | 3345673 | 18154663.1 |        |
| 3346216 | LG Electronics Inc.                                  | 08/01/2018 | 3346216 | 18150534.8 |        |
| 3347069 | Conroy Medical AB                                    | 09/09/2016 | 3347069 | 16844808.2 |        |
| 3347384 | Basell Poliolefine Italia S.r.l.                     | 30/08/2016 | 3347384 | 16759738.4 |        |
| 3347403 | Dow Global Technologies LLC<br>Rohm and Haas Company | 01/09/2016 | 3347403 | 16767083.5 |        |
| 3348041 | Okta, Inc.                                           | 06/09/2016 | 3348041 | 16844940.3 |        |
| 3348475 | Bell Helicopter Textron Inc.                         | 10/08/2017 | 3348475 | 17185780.8 |        |
| 3348946 | Mitsubishi Electric Corporation                      | 07/09/2015 | 3348946 | 15903533.6 |        |
| 3349281 | Nissan Motor Co., Ltd.                               | 09/09/2015 | 3349281 | 15903582.3 |        |
| 3349333 | TOYOTA JIDOSHA KABUSHIKI<br>KAISHA                   | 02/01/2018 | 3349333 | 18150051.3 |        |
| 3349913 | Reckitt Benckiser (Brands) Limited                   | 19/09/2016 | 3349913 | 16770343.8 |        |
| 3350135 | Vesuvius France S.A.                                 | 15/09/2016 | 3350135 | 16770724.9 |        |
| 3350413 | Halliburton Energy Services, Inc.                    | 06/09/2016 | 3350413 | 16847067.2 |        |
| 3350447 | Torad Engineering, LLC                               | 08/09/2016 | 3350447 | 16847081.3 |        |
| 3351014 | Qualcomm Incorporated                                | 28/07/2016 | 3351014 | 16760222.6 |        |
| 3351037 | Teleste Oyj                                          | 14/09/2015 | 3351037 | 15904006.2 |        |
| 3351078 | Kubota Corporation                                   | 06/12/2017 | 3351078 | 17001991.3 |        |
| 3351090 | Bacsac                                               | 18/01/2018 | 3351090 | 18152418.2 | French |
| 3351407 | Sumitomo Rubber Industries, Ltd.                     | 29/12/2017 | 3351407 | 17211101.5 |        |
| 3351990 | Valeo Vision                                         | 15/12/2017 | 3351990 | 17207778.6 | French |
| 3352164 | Universidad de San Buenaventura<br>Medellín          | 12/09/2016 | 3352164 | 16845800.8 |        |



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| 3352227 | Toho Kasei Co., Ltd.<br>Daikin Industries, Ltd.                   | 16/09/2016 | 3352227 | 16846673.8 |        |
| 3352894 | Nienhaus, Hugo                                                    | 21/09/2016 | 3352894 | 16794500.5 | German |
| 3352954 | Schunk GmbH & Co. KG Spann- und<br>Greiftechnik                   | 02/09/2016 | 3352954 | 16763490.6 | German |
| 3353224 | BASF SE                                                           | 19/09/2016 | 3353224 | 16766562.9 | German |
| 3353262 | Commissariat à l'Énergie Atomique et<br>aux Énergies Alternatives | 20/09/2016 | 3353262 | 16767295.5 | French |
| 3353424 | Ebm-Papst St. Georgen GmbH & CO.<br>KG                            | 21/09/2016 | 3353424 | 16782011.7 | German |
| 3353510 | SEB S.A.                                                          | 20/09/2016 | 3353510 | 16781516.6 | French |
| 3353798 | Schaeffler Technologies AG & Co. KG                               | 15/09/2016 | 3353798 | 16798077.0 | German |
| 3354483 | Sumitomo Rubber Industries, Ltd.                                  | 17/01/2018 | 3354483 | 18152141.0 |        |
| 3354828 | ABUS August Bremicker Söhne KG                                    | 05/01/2018 | 3354828 | 18150399.6 | German |
| 3355124 | Kyocera Document Solutions Inc.                                   | 06/09/2017 | 3355124 | 17860800.6 |        |
| 3355844 | Valeda Company (d/b/a "Q'Straint")                                | 03/10/2016 | 3355844 | 16787598.8 |        |
| 3356233 | Franklin Fueling Systems, LLC                                     | 30/09/2016 | 3356233 | 16852749.7 |        |
| 3356591 | Lanxess Deutschland GmbH                                          | 28/09/2016 | 3356591 | 16775206.2 | German |
| 3357069 | Ruwidic B.V.                                                      | 16/08/2016 | 3357069 | 16760817.3 |        |
| 3357147 | E-Circuit Motors, Inc.                                            | 30/09/2016 | 3357147 | 16784315.0 |        |
| 3357271 | Telecom Italia S.p.A.                                             | 30/09/2015 | 3357271 | 15781042.5 |        |
| 3357373 | Lammhults Möbel Aktieboläg                                        | 06/02/2017 | 3357373 | 17154810.0 |        |
| 3357559 | LG Chem, Ltd.                                                     | 26/07/2016 | 3357559 | 16851981.7 |        |
| 3357694 | Kyocera Corporation                                               | 27/10/2016 | 3357694 | 16859897.7 |        |
| 3357700 | Seiko Epson Corporation                                           | 06/02/2018 | 3357700 | 18155382.7 |        |
| 3358301 | Wipro Limited                                                     | 04/09/2017 | 3358301 | 17189294.6 |        |
| 3358312 | Allegro MicroSystems, LLC                                         | 06/02/2018 | 3358312 | 18155270.4 |        |
| 3358417 | Kyocera Document Solutions Inc.                                   | 28/09/2016 | 3358417 | 16851646.6 |        |
| 3359007 | Vorwerk & Co. Interholding GmbH                                   | 05/10/2016 | 3359007 | 16775733.5 | German |
| 3359419 | Marelli Automotive Lighting France                                | 05/10/2016 | 3359419 | 16793942.0 | French |
| 3359537 | F. Hoffmann-La Roche AG                                           | 04/10/2016 | 3359537 | 16774955.5 |        |

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| 3359538 | Institut du Cerveau et de la Moelle<br>Epiniere<br>Université Paris-Saclay<br>Centre National de la Recherche<br>Scientifique (CNRS)<br>Sorbonne Université<br>Assistance Publique - Hôpitaux de Paris<br>Institut National de la Santé et de la<br>Recherche Médicale (INSERM) | 10/10/2016 | 3359538 | 16778417.2 | French |
| 3359607 | Arkema France                                                                                                                                                                                                                                                                   | 06/10/2016 | 3359607 | 16788178.8 | French |
| 3360374 | Telefonaktiebolaget LM Ericsson<br>(PUBL)                                                                                                                                                                                                                                       | 09/10/2015 | 3360374 | 15905923.7 |        |
| 3360439 | HOUJIN CO., LTD.                                                                                                                                                                                                                                                                | 14/09/2016 | 3360439 | 16846482.4 |        |
| 3360583 | Frontmatec - Hygiene GmbH                                                                                                                                                                                                                                                       | 26/01/2018 | 3360583 | 18153737.4 | German |
| 3360598 | JOHNSON & JOHNSON CONSUMER<br>INC.                                                                                                                                                                                                                                              | 08/02/2018 | 3360598 | 18155767.9 |        |
| 3360755 | JTEKT CORPORATION                                                                                                                                                                                                                                                               | 05/02/2018 | 3360755 | 18155058.3 |        |
| 3360986 | Shanxi Add New Additive Technology<br>Co., Ltd                                                                                                                                                                                                                                  | 15/11/2016 | 3360986 | 16906130.6 |        |
| 3361182 | Grundfos Holding A/S                                                                                                                                                                                                                                                            | 08/02/2017 | 3361182 | 17155234.2 | German |
| 3361695 | Juniper Networks, Inc.                                                                                                                                                                                                                                                          | 28/04/2017 | 3361695 | 17168623.1 |        |
| 3361766 | Huawei Technologies Co., Ltd.                                                                                                                                                                                                                                                   | 06/11/2015 | 3361766 | 15907639.7 |        |
| 3362119 | CCore Technology GmbH                                                                                                                                                                                                                                                           | 14/10/2016 | 3362119 | 16781481.3 | German |
| 3362146 | Elekta, Inc.                                                                                                                                                                                                                                                                    | 12/10/2016 | 3362146 | 16784722.7 |        |
| 3362187 | The Technology Partnership PLC                                                                                                                                                                                                                                                  | 06/10/2016 | 3362187 | 16785552.7 |        |
| 3362300 | Continental Reifen Deutschland GmbH                                                                                                                                                                                                                                             | 04/07/2016 | 3362300 | 16733982.9 | German |
| 3363027 | Siemens Aktiengesellschaft                                                                                                                                                                                                                                                      | 26/11/2015 | 3363027 | 15802055.2 | German |
| 3363179 | Microsoft Technology Licensing, LLC                                                                                                                                                                                                                                             | 18/11/2016 | 3363179 | 16805327.0 |        |
| 3363191 | Microsoft Technology Licensing, LLC                                                                                                                                                                                                                                             | 03/10/2016 | 3363191 | 16785027.0 |        |
| 3363292 | Merck Patent GmbH                                                                                                                                                                                                                                                               | 06/02/2018 | 3363292 | 18155223.3 | German |
| 3363399 | avateramedical GmbH                                                                                                                                                                                                                                                             | 12/02/2018 | 3363399 | 18156281.0 | German |

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|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------|------------|--------|
| 3363504 | Boeking dit Sydenham, Quentin<br>Boeking dit Sydenham, Frédérique<br>Boeking dit Sydenham, Kevin<br>Kitson, Nicholas<br>Boeking dit Sydenham, Robin<br>Kitson, Luc<br>Boeking dit Sydenham, Benjamin<br>Boeking dit Sydenham, Maëlie<br>Dailedouze, Mathias | 15/02/2018 | 3363504 | 18156941.9 | French |
| 3363518 | Safran Aero Boosters SA                                                                                                                                                                                                                                     | 25/01/2018 | 3363518 | 18153418.1 | French |
| 3363715 | Newfrey LLC                                                                                                                                                                                                                                                 | 21/02/2017 | 3363715 | 17157249.8 |        |
| 3364074 | Aktiebolaget SKF                                                                                                                                                                                                                                            | 30/01/2018 | 3364074 | 18154176.4 | German |
| 3364478 | Toppan Printing Co., Ltd.                                                                                                                                                                                                                                   | 13/10/2016 | 3364478 | 16855476.4 |        |
| 3365060 | Koninklijke Philips N.V.                                                                                                                                                                                                                                    | 18/10/2016 | 3365060 | 16790293.1 |        |
| 3365084 | Shuffle Master GmbH & Co KG                                                                                                                                                                                                                                 | 02/12/2016 | 3365084 | 16809689.9 |        |
| 3365510 | BEMO SYSTEMS GmbH                                                                                                                                                                                                                                           | 18/10/2016 | 3365510 | 16784846.4 | German |
| 3365634 | Robert Bosch GmbH                                                                                                                                                                                                                                           | 13/10/2016 | 3365634 | 16781126.4 | German |
| 3366205 | Huawei Technologies Co., Ltd.                                                                                                                                                                                                                               | 12/09/2016 | 3366205 | 16915529.8 |        |
| 3366738 | Seiko Epson Corporation                                                                                                                                                                                                                                     | 31/01/2018 | 3366738 | 18154546.8 |        |
| 3366800 | Nippon Steel Corporation                                                                                                                                                                                                                                    | 14/10/2016 | 3366800 | 16857379.8 |        |
| 3367928 | Medtronic Xomed, Inc.                                                                                                                                                                                                                                       | 25/10/2016 | 3367928 | 16791240.1 |        |
| 3368092 | Novartis AG                                                                                                                                                                                                                                                 | 25/10/2016 | 3368092 | 16790722.9 |        |
| 3368172 | Axens<br>IFP Energies nouvelles<br>Total SA                                                                                                                                                                                                                 | 30/10/2015 | 3368172 | 15798527.6 | French |
| 3368173 | IFP Energies nouvelles<br>Total S.A.<br>Axens                                                                                                                                                                                                               | 30/10/2015 | 3368173 | 15798528.4 | French |
| 3368289 | Nike Innovate C.V.                                                                                                                                                                                                                                          | 27/10/2016 | 3368289 | 16790859.9 |        |
| 3368323 | Hewlett-Packard Development<br>Company, L.P.                                                                                                                                                                                                                | 29/10/2015 | 3368323 | 15794845.6 |        |
| 3368331 | Bundesdruckerei GmbH                                                                                                                                                                                                                                        | 10/10/2016 | 3368331 | 16782026.5 | German |
| 3368780 | Schaeffler Technologies AG & Co. KG                                                                                                                                                                                                                         | 19/10/2016 | 3368780 | 16800881.1 | German |
| 3369026 | Visa International Service Association                                                                                                                                                                                                                      | 26/10/2016 | 3369026 | 16860694.5 |        |
| 3369334 | ALTESSE                                                                                                                                                                                                                                                     | 31/05/2017 | 3369334 | 17173849.5 | French |
| 3369379 | Samsung Electronics Co., Ltd.                                                                                                                                                                                                                               | 06/10/2014 | 3369379 | 18167672.7 |        |
| 3369845 | The Procter & Gamble Company                                                                                                                                                                                                                                | 03/01/2013 | 3369845 | 18158889.8 |        |

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| 3370030 | J.G. Anschütz GmbH & Co. KG                          | 24/01/2018 | 3370030 | 18020035.4 | German |
| 3370258 | Artlux Inc.                                          | 04/08/2016 | 3370258 | 18160200.4 |        |
| 3370351 | Huawei Technologies Co., Ltd.                        | 17/12/2015 | 3370351 | 15910527.9 |        |
| 3370485 | Nintendo Co., Ltd.                                   | 27/02/2018 | 3370485 | 18158805.4 |        |
| 3370820 | SEB S.A.                                             | 04/11/2016 | 3370820 | 16806252.9 | French |
| 3371287 | Shrieve Chemical Products, Inc.                      | 02/11/2016 | 3371287 | 16862816.2 |        |
| 3371477 | Freni Brembo S.p.A.                                  | 27/10/2016 | 3371477 | 16812836.1 |        |
| 3371517 | BASIC HOLDINGS                                       | 03/11/2016 | 3371517 | 16790610.6 |        |
| 3371544 | Davey Bickford                                       | 02/11/2016 | 3371544 | 16809956.2 | French |
| 3371813 | Ge-Hitachi Nuclear Energy Americas LLC               | 25/10/2016 | 3371813 | 16794813.2 |        |
| 3372408 | Toshiba TEC Kabushiki Kaisha                         | 23/02/2018 | 3372408 | 18158302.2 |        |
| 3372420 | De La Rue International Limited                      | 15/01/2015 | 3372420 | 18170460.2 |        |
| 3372955 | Huawei Technologies Co., Ltd.                        | 26/11/2015 | 3372955 | 15909060.4 |        |
| 3373396 | Molex, LLC                                           | 07/02/2018 | 3373396 | 18155477.5 |        |
| 3373692 | NTT DoCoMo, Inc.                                     | 31/10/2016 | 3373692 | 16862039.1 |        |
| 3374503 | Council Of Scientific & Industrial Research          | 11/11/2016 | 3374503 | 16834123.8 |        |
| 3374924 | Volkswagen Aktiengesellschaft                        | 25/10/2016 | 3374924 | 16790306.1 | German |
| 3374965 | Robert Bosch GmbH                                    | 14/10/2016 | 3374965 | 16784829.0 |        |
| 3376797 | GUANGDONG OPPO MOBILE TELECOMMUNICATIONS CORP., LTD. | 13/12/2017 | 3376797 | 17207069.0 |        |
| 3377467 | Lyondell Chemical Technology, L.P.                   | 16/11/2016 | 3377467 | 16805257.9 |        |
| 3377720 | Leontaridis, Athanasios                              | 18/11/2016 | 3377720 | 16825876.2 |        |
| 3378062 | Robert Bosch GmbH                                    | 28/10/2016 | 3378062 | 16790932.4 | German |
| 3378103 | Insolight SA                                         | 17/11/2016 | 3378103 | 16802144.2 |        |
| 3378419 | Legacy Ventures LLC                                  | 18/05/2015 | 3378419 | 18172665.4 |        |
| 3378867 | Kaneka Corporation                                   | 16/04/2008 | 3378867 | 18172761.1 |        |
| 3379283 | Toshiba TEC Kabushiki Kaisha                         | 19/02/2018 | 3379283 | 18157315.5 |        |
| 3379586 | APPLIED MATERIALS ITALIA S.R.L.                      | 06/05/2016 | 3379586 | 18171260.5 |        |
| 3379745 | Huawei Technologies Co., Ltd.                        | 11/12/2015 | 3379745 | 15910097.3 |        |
| 3380382 | Siemens Mobility GmbH                                | 29/12/2016 | 3380382 | 16823012.6 | German |
| 3380409 | WestRock Packaging Systems, LLC                      | 15/11/2016 | 3380409 | 16806347.7 |        |
| 3380584 | Shell Internationale Research Maatschappij B.V.      | 21/11/2016 | 3380584 | 16798228.9 |        |

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| 3380685 | O.PARTICIPATIONS SAS                                              | 20/04/2016 | 3380685 | 16776968.6 | French |
| 3380739 | Schaeffler Technologies AG & Co. KG                               | 18/11/2016 | 3380739 | 16816184.2 | German |
| 3381116 | Siemens Aktiengesellschaft                                        | 19/01/2016 | 3381116 | 16701266.5 | German |
| 3381423 | Röder, Ulrike                                                     | 22/03/2018 | 3381423 | 18163434.6 | German |
| 3381718 | Bridgestone Corporation                                           | 13/10/2016 | 3381718 | 16868281.3 |        |
| 3381935 | Tigo GmbH                                                         | 20/02/2018 | 3381935 | 18472002.7 |        |
| 3382201 | Nippon Steel Corporation                                          | 31/03/2014 | 3382201 | 18160087.5 |        |
| 3382591 | British Telecommunications public<br>limited company              | 30/03/2017 | 3382591 | 17164006.3 |        |
| 3382694 | Vorwerk & Co. Interholding GmbH                                   | 22/09/2015 | 3382694 | 18172591.2 | German |
| 3382963 | Wangsu Science & Technology Co.,<br>Ltd.                          | 04/09/2016 | 3382963 | 16880661.0 |        |
| 3383185 | König Maschinen Gesellschaft mbH                                  | 05/12/2016 | 3383185 | 16819418.1 | German |
| 3383196 | Société des Produits Nestlé S.A.                                  | 14/11/2016 | 3383196 | 16794656.5 |        |
| 3383257 | St. Jude Medical, Cardiology Division,<br>Inc.                    | 21/02/2017 | 3383257 | 17708643.6 |        |
| 3383366 | Mexichem Fluor S.A. de C.V.                                       | 02/12/2016 | 3383366 | 16822716.3 |        |
| 3383367 | Mexichem Fluor S.A. de C.V.                                       | 02/12/2016 | 3383367 | 16823027.4 |        |
| 3383450 | Fresenius Medical Care Deutschland<br>GmbH                        | 01/12/2016 | 3383450 | 16810246.5 | German |
| 3383656 | Greiner Perfoam GmbH                                              | 29/11/2016 | 3383656 | 16801822.4 | German |
| 3384097 | Universität Innsbruck                                             | 02/12/2016 | 3384097 | 16812914.6 | German |
| 3384531 | Commissariat à l'Energie Atomique et<br>aux Energies Alternatives | 01/12/2016 | 3384531 | 16819145.0 | French |
| 3384632 | Huawei Technologies Co., Ltd.                                     | 24/12/2016 | 3384632 | 16881113.1 |        |
| 3384718 | QUALCOMM INCORPORATED                                             | 04/10/2016 | 3384718 | 16787601.0 |        |
| 3384758 | CLAAS Selbstfahrende Erntemaschinen<br>GmbH                       | 22/01/2018 | 3384758 | 18152670.8 | German |
| 3384964 | Acceleron Pharma Inc.                                             | 30/03/2010 | 3384964 | 18160355.6 |        |
| 3385097 | Engineering Developments for<br>Automotive Industry, S.L.         | 05/04/2017 | 3385097 | 17382179.4 |        |
| 3385342 | Nano and Advanced Materials Institute<br>Limited                  | 21/02/2018 | 3385342 | 18157848.5 |        |
| 3385539 | Daikin Industries, Ltd.                                           | 07/02/2017 | 3385539 | 17753026.8 |        |
| 3385878 | NXP B.V.                                                          | 05/03/2018 | 3385878 | 18159938.2 |        |
| 3386007 | Kaneka Corporation                                                | 18/10/2016 | 3386007 | 16872584.4 |        |

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| 3386735 | Voith Patent GmbH<br>Audi AG                                               | 07/12/2016 | 3386735 | 16808997.7 | German |
| 3386763 | The Procter & Gamble Company                                               | 06/12/2016 | 3386763 | 16813321.3 |        |
| 3386781 | Bayerische Motoren Werke<br>Aktiengesellschaft                             | 30/11/2016 | 3386781 | 16802114.5 | German |
| 3387144 | 3M Innovative Properties Company                                           | 06/12/2016 | 3387144 | 16820403.0 |        |
| 3387267 | HAWE Altenstadt Holding GmbH                                               | 15/05/2017 | 3387267 | 17723691.6 | German |
| 3387311 | Bantboru Sanayi Ve Ticaret Anonim<br>Sirketi                               | 22/02/2017 | 3387311 | 17717905.8 |        |
| 3387911 | Oliveira, Luiz Carmine Giunti De<br>Oliveira, Eloisa Helena Orlandi Giunti | 29/11/2016 | 3387911 | 16871838.5 |        |
| 3388318 | Italbrain S.r.l.                                                           | 13/04/2018 | 3388318 | 18167179.3 |        |
| 3388607 | Advanced Pneumatic Marine GmbH                                             | 13/04/2018 | 3388607 | 18167218.9 | German |
| 3388747 | Miele & Cie. KG                                                            | 04/04/2018 | 3388747 | 18165636.4 | German |
| 3388828 | POSCO                                                                      | 22/12/2015 | 3388828 | 15910309.2 |        |
| 3389111 | LG Chem, Ltd.                                                              | 09/08/2017 | 3389111 | 17839805.3 |        |
| 3389313 | Huawei Technologies Co., Ltd.                                              | 24/12/2016 | 3389313 | 16881116.4 |        |
| 3389363 | Council of Scientific and Industrial<br>Research                           | 16/12/2016 | 3389363 | 16875081.8 |        |
| 3389467 | DANNORITZER Medizintechnik<br>GmbH & Co. KG                                | 16/12/2016 | 3389467 | 16825362.3 | German |
| 3390263 | Inventio AG                                                                | 13/12/2016 | 3390263 | 16819301.9 | German |
| 3390795 | AVL List GmbH                                                              | 14/12/2016 | 3390795 | 16810373.7 | German |
| 3390848 | Saint-Gobain Performance Plastics<br>Pampus GmbH                           | 16/12/2016 | 3390848 | 16819311.8 |        |
| 3391224 | Huawei Technologies Co., Ltd.                                              | 29/12/2016 | 3391224 | 16881261.8 |        |
| 3391470 | WAGO Verwaltungsgesellschaft mbH                                           | 14/12/2016 | 3391470 | 16810377.8 | German |
| 3391626 | Symantec Corporation                                                       | 20/10/2016 | 3391626 | 16798811.2 |        |
| 3391765 | Ku, Cheng-Huei                                                             | 11/04/2018 | 3391765 | 18166784.1 |        |
| 3392363 | Posco                                                                      | 13/12/2016 | 3392363 | 16876006.4 |        |
| 3392374 | Baoshan Iron & Steel Co., Ltd.                                             | 06/12/2016 | 3392374 | 16874768.1 |        |
| 3392464 | SAFRAN AIRCRAFT ENGINES                                                    | 12/04/2018 | 3392464 | 18167088.6 | French |
| 3392944 | Panasonic Intellectual Property<br>Management Co., Ltd.                    | 11/04/2018 | 3392944 | 18166778.3 |        |
| 3392954 | Asahi Kasei Kabushiki Kaisha                                               | 20/01/2017 | 3392954 | 17741559.3 |        |
| 3393488 | Thorel, Jean-Noël                                                          | 22/12/2016 | 3393488 | 16829274.6 | French |
| 3393560 | Philip Morris Products S.A.                                                | 08/12/2016 | 3393560 | 16812865.0 |        |

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| 3393642 | DDP Speciality Electronic Materials<br>US, Inc.                  | 15/12/2016 | 3393642 | 16826520.5 |        |
| 3393710 | Robert Bosch GmbH                                                | 30/11/2016 | 3393710 | 16809312.8 | German |
| 3394168 | Dow Quimica Mexicana S.A.de C.V.<br>Dow Quimica de Columbia S.A. | 20/12/2016 | 3394168 | 16831673.5 |        |
| 3394474 | XSPLATFORMS B.V.                                                 | 19/12/2016 | 3394474 | 16847589.5 |        |
| 3394692 | Siemens Aktiengesellschaft                                       | 28/01/2016 | 3394692 | 16702387.8 |        |
| 3394875 | Dymenso LLC                                                      | 07/12/2016 | 3394875 | 16879866.8 |        |
| 3395042 | IDEMIA France                                                    | 21/12/2016 | 3395042 | 16829417.1 | French |
| 3395580 | Miyakoshi Printing Machinery Co., Ltd.                           | 16/08/2017 | 3395580 | 17186347.5 |        |
| 3395681 | Safran Landing Systems Canada Inc.                               | 25/04/2018 | 3395681 | 18169168.4 |        |
| 3395822 | Versum Materials US, LLC                                         | 27/02/2015 | 3395822 | 18177680.8 |        |
| 3395918 | Nikon-Essilor Co., Ltd.                                          | 09/12/2016 | 3395918 | 16878414.8 |        |
| 3396022 | Posco                                                            | 22/12/2016 | 3396022 | 16879372.7 |        |
| 3396342 | NSK Ltd.                                                         | 29/09/2016 | 3396342 | 16878089.8 |        |
| 3396753 | Toray Industries, Inc.                                           | 16/12/2016 | 3396753 | 16878580.6 |        |
| 3396986 | NEC Corporation                                                  | 23/04/2013 | 3396986 | 18178840.7 |        |
| 3396993 | InterDigital Technology Corporation                              | 25/05/2005 | 3396993 | 18178182.4 |        |
| 3397052 | Woodstream Corporation                                           | 22/12/2016 | 3397052 | 16882426.6 |        |
| 3397463 | Pirelli Tyre S.p.A.                                              | 21/12/2016 | 3397463 | 16834287.1 |        |
| 3397520 | Compagnie Plastic Omnium                                         | 22/12/2016 | 3397520 | 16829273.8 | French |
| 3397849 | Landi Renzo S.P.A.                                               | 21/12/2016 | 3397849 | 16831750.1 |        |
| 3398053 | Coherent Logix Incorporated                                      | 27/12/2016 | 3398053 | 16826852.2 |        |
| 3398307 | Teknologian Tutkimuskeskus VTT<br>Thales                         | 29/12/2016 | 3398307 | 16831621.4 | French |
| 3398582 | The Enterprise Cradle Limited                                    | 07/04/2011 | 3398582 | 18177040.5 |        |
| 3398619 | 3M Innovative Properties Company                                 | 09/11/2010 | 3398619 | 18175925.9 |        |
| 3398847 | Kawasaki Jukogyo Kabushiki Kaisha                                | 13/09/2012 | 3398847 | 18179477.7 |        |
| 3398868 | PACCOR Packaging GmbH                                            | 03/05/2018 | 3398868 | 18170720.9 | German |
| 3399213 | NSK Ltd.                                                         | 05/02/2018 | 3399213 | 18742389.2 |        |
| 3399452 | Huawei Technologies Co., Ltd.                                    | 22/01/2016 | 3399452 | 16885717.5 |        |
| 3399697 | ServiceNow, Inc.                                                 | 30/04/2018 | 3399697 | 18170120.2 |        |
| 3399789 | Huawei Technologies Co., Ltd.                                    | 06/01/2017 | 3399789 | 17735853.8 |        |
| 3400078 | Minimax GmbH & Co. KG                                            | 28/11/2016 | 3400078 | 16801795.2 | German |
| 3400219 | Council of Scientific and Industrial<br>Research                 | 06/01/2017 | 3400219 | 17707968.8 |        |
| 3400263 | KRONOS INTERNATIONAL, INC.                                       | 09/01/2017 | 3400263 | 17708158.5 |        |

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|---------|------------------------------------------------|------------|---------|------------|--------|
| 3400333 | Stora Enso Oyj                                 | 05/01/2017 | 3400333 | 17700387.8 |        |
| 3400878 | MedCom GmbH                                    | 10/05/2017 | 3400878 | 17170367.1 |        |
|         | Esaote S.p.A.                                  |            |         |            |        |
| 3401019 | Hauptkorn, Herbert                             | 08/02/2018 | 3401019 | 18155834.7 | German |
| 3401043 | Sandvik Intellectual Property AB               | 11/05/2017 | 3401043 | 17170613.8 |        |
| 3401339 | Qingdao University                             | 09/08/2016 | 3401339 | 16883148.5 |        |
| 3401345 | Bridgestone Corporation                        | 26/12/2016 | 3401345 | 16883842.3 |        |
| 3401751 | Bell Helicopter Textron Inc.                   | 28/06/2017 | 3401751 | 17178494.5 |        |
| 3402228 | Telefonaktiebolaget LM Ericsson (publ)         | 04/04/2016 | 3402228 | 18180032.7 |        |
| 3402564 | Theranica Bio-Electronics Ltd.                 | 10/01/2017 | 3402564 | 17702959.2 |        |
| 3402669 | BASF SE                                        | 13/01/2017 | 3402669 | 17703514.4 |        |
| 3402705 | KNORR-BREMSE Systeme für<br>Nutzfahrzeuge GmbH | 21/12/2016 | 3402705 | 16823275.9 | German |
| 3402761 | Türkiye Sise Ve Cam Fabrikalari A.S.           | 21/06/2016 | 3402761 | 16747644.9 |        |
| 3402769 | BASF SE<br>Linde AG                            | 11/01/2017 | 3402769 | 17700238.3 | German |
| 3402866 | The Procter & Gamble Company                   | 06/01/2017 | 3402866 | 17701936.1 |        |
| 3403013 | A.R.I. Fluid Control Accessories Ltd.          | 11/01/2017 | 3403013 | 17705702.3 |        |
| 3403486 | Forage Company B.V.                            | 18/04/2018 | 3403486 | 18167943.2 |        |
| 3403527 | Gollinucci, Giacomo                            | 14/05/2018 | 3403527 | 18172132.5 |        |
| 3403578 | ndd Medizintechnik AG                          | 16/05/2017 | 3403578 | 17171303.5 |        |
| 3403610 | Biosense Webster (Israel) Ltd.                 | 21/12/2011 | 3403610 | 18177011.6 |        |
| 3403693 | Teclens, LLC                                   | 26/06/2015 | 3403693 | 18179642.6 |        |
| 3403882 | HUF Hülsbeck & Fürst GmbH & Co.<br>KG          | 11/05/2018 | 3403882 | 18171790.1 | German |
| 3403968 | thyssenkrupp Elevator AG<br>thyssenkrupp AG    | 13/11/2015 | 3403968 | 18177005.8 | German |
| 3404336 | Badella, Enrico<br>Randellini, Fabrizio        | 17/05/2018 | 3404336 | 18000463.2 |        |
| 3404978 | Huawei Technologies Co., Ltd.                  | 06/01/2017 | 3404978 | 17746698.4 |        |
| 3405022 | Aktiebolaget Ludvig Svensson                   | 20/01/2017 | 3405022 | 17700988.3 |        |
| 3405087 | Dyson Technology Limited                       | 12/12/2016 | 3405087 | 16813028.4 |        |
| 3405088 | Dyson Technology Limited                       | 12/12/2016 | 3405088 | 16813029.2 |        |
| 3405162 | CareFusion 303, Inc.                           | 05/01/2017 | 3405162 | 17700881.0 |        |
| 3405711 | J. van Walraven Holding B.V.                   | 16/01/2017 | 3405711 | 17702970.9 |        |
| 3406086 | Glauk S.r.l.                                   | 22/01/2016 | 3406086 | 16707953.2 |        |
| 3406170 | Kuo, Jerry Kuo-Yung                            | 02/10/2017 | 3406170 | 17194361.6 |        |



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|----------------------------------------------------------------------------|--------------------------------------------|-------------------|---------|-------------------|
| 3406975                                                                    | EMCO Klima GmbH                            | 08/05/2018        | 3406975 | 18171325.6 German |
| 3407793                                                                    | Adaptix Ltd                                | 25/01/2016        | 3407793 | 16725573.6        |
| 3408030                                                                    | Van der Zanden, Johannes, Petrus           | 24/02/2017        | 3408030 | 17710661.4        |
|                                                                            | Van Der Meer, Willem, Ronald, Hans         |                   |         |                   |
| 3408578                                                                    | FM Floc GmbH                               | 27/01/2017        | 3408578 | 17702078.1 German |
| 3408598                                                                    | Illinois Tool Works Inc.                   | 19/01/2017        | 3408598 | 17703541.7        |
| 3408978                                                                    | Oracle International Corporation           | 27/01/2017        | 3408978 | 17703641.5        |
| 3409135                                                                    | NIKE Innovate C.V.                         | 23/05/2013        | 3409135 | 18184832.6        |
| 3409538                                                                    | Dura Operating, LLC                        | 27/04/2018        | 3409538 | 18169925.7        |
| 3409576                                                                    | Loewe Marine GmbH & Co. KG                 | 31/05/2018        | 3409576 | 18175291.6 German |
| 3409866                                                                    | Master Lock Company LLC                    | 15/07/2011        | 3409866 | 18182359.2        |
| 3409874                                                                    | Dallan S.p.A.                              | 17/05/2018        | 3409874 | 18172932.8        |
| 3409876                                                                    | Hunter Douglas Industries Switzerland GmbH | 29/05/2018        | 3409876 | 18174803.9 German |
| 3409978                                                                    | PSA Automobiles SA                         | 22/05/2018        | 3409978 | 18173508.5 French |
| 3410239                                                                    | Huawei Technologies Co., Ltd.              | 10/11/2016        | 3410239 | 16900220.1        |
| 3410532                                                                    | Mitsubishi Electric Corporation            | 02/02/2016        | 3410532 | 16889231.3        |
| 3410578                                                                    | Mitsubishi Electric Corporation            | 26/01/2016        | 3410578 | 16887874.2        |
| 3410591                                                                    | Vestel Elektronik Sanayi ve Ticaret A.S.   | 01/06/2017        | 3410591 | 17173875.0        |
| 3410779                                                                    | Itron Global SARL                          | 03/05/2012        | 3410779 | 18184350.9        |
| 3410788                                                                    | NTT DOCOMO, INC.                           | 08/05/2015        | 3410788 | 18184703.9        |
| 3410954                                                                    | Riverpoint Medical, LLC                    | 06/04/2017        | 3410954 | 17779822.0        |
| 3410958                                                                    | Tagaway Devices ApS                        | 01/02/2017        | 3410958 | 17708419.1        |
| 3411155                                                                    | Water Pik, Inc.                            | 01/02/2017        | 3411155 | 17705255.2        |
| 3411378                                                                    | Sandoz AG                                  | 01/02/2017        | 3411378 | 17702119.3        |
| 3411580                                                                    | PSA AUTOMOBILES S.A.                       | 24/01/2017        | 3411580 | 17706560.4 French |
| 3411581                                                                    | PSA AUTOMOBILES S.A.                       | 25/01/2017        | 3411581 | 17706565.3 French |
| 3411718                                                                    | Sandoz AG                                  | 01/02/2017        | 3411718 | 17702116.9        |
| 3412001                                                                    | nCipher Security Limited                   | 03/02/2017        | 3412001 | 17704057.3        |
| 3412168                                                                    | Omega SA                                   | 07/06/2017        | 3412168 | 17174800.7 French |
| 3413186                                                                    | Canon Production Printing Holding B.V.     | 04/06/2018        | 3413186 | 18175700.6        |
| 3413509                                                                    | NXP B.V.                                   | 25/05/2018        | 3413509 | 18174298.2        |
| 3413698                                                                    | Väderstad Holding AB                       | 07/02/2017        | 3413698 | 17713796.5        |
| 3413730                                                                    | Philip Morris Products S.A.                | 29/12/2016        | 3413730 | 16822480.6        |
| 3413932                                                                    | Pharmaplast SAE                            | 12/02/2016        | 3413932 | 16709820.1        |

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|---------|------------------------------------------------------------|------------|---------|------------|--------|
| 3414110 | PSA AUTOMOBILES S.A.                                       | 12/01/2017 | 3414110 | 17712185.2 | French |
| 3414136 | Robert Bosch GmbH                                          | 29/12/2016 | 3414136 | 16820302.4 | German |
| 3414150 | Audi AG                                                    | 13/04/2018 | 3414150 | 18719787.6 | German |
| 3414335 | Corbion Biotech, Inc.                                      | 08/02/2016 | 3414335 | 16710780.4 | French |
| 3414362 | Siemens Aktiengesellschaft                                 | 08/05/2017 | 3414362 | 17724515.6 | German |
| 3414419 | Smart Drilling GmbH                                        | 08/02/2017 | 3414419 | 17712918.6 | German |
| 3414528 | TomTom Traffic B.V.                                        | 09/02/2017 | 3414528 | 17704008.6 |        |
| 3414629 | HP Indigo B.V.                                             | 06/07/2016 | 3414629 | 16738104.5 |        |
| 3415103 | Orthosoft ULC                                              | 13/06/2018 | 3415103 | 18177615.4 |        |
| 3415393 | Yamaha Hatsudoki Kabushiki Kaisha                          | 06/04/2017 | 3415393 | 17779218.1 |        |
| 3415396 | Bombardier Transportation GmbH                             | 13/06/2017 | 3415396 | 17175836.0 |        |
| 3415490 | Mitsubishi Chemical Corporation                            | 03/07/2012 | 3415490 | 18183635.4 |        |
| 3415547 | Evonik Operations GmbH                                     | 13/06/2017 | 3415547 | 17175693.5 | German |
| 3415548 | Evonik Operations GmbH                                     | 13/06/2017 | 3415548 | 17175704.0 | German |
| 3415567 | Nolax AG                                                   | 12/06/2017 | 3415567 | 17175415.3 | German |
| 3415666 | Maschinenfabrik Rieter AG                                  | 01/06/2018 | 3415666 | 18175439.1 | German |
| 3415673 | Goodrich Corporation                                       | 20/04/2016 | 3415673 | 18186359.8 |        |
| 3415803 | United Technologies Corporation                            | 11/06/2018 | 3415803 | 18177059.5 |        |
| 3415850 | ITT Italia S.r.l.                                          | 14/06/2018 | 3415850 | 18177872.1 |        |
| 3416177 | Omron Corporation                                          | 21/11/2016 | 3416177 | 16889914.4 |        |
| 3416213 | Samsung SDI Co., Ltd.                                      | 08/06/2018 | 3416213 | 18176699.9 |        |
| 3416532 | I.R.C.A. S.p.a. Industria Resistenze<br>Corazzate e Affini | 15/02/2017 | 3416532 | 17716600.6 |        |
| 3416738 | PerkinElmer Health Sciences, Inc.                          | 17/02/2017 | 3416738 | 17708105.6 |        |
| 3417121 | Wilhelm Layher Verwaltungs-GmbH                            | 15/02/2017 | 3417121 | 17718806.7 | German |
| 3417139 | Hunter Douglas Inc.                                        | 17/02/2017 | 3417139 | 17705890.6 |        |
| 3417156 | Volvo Truck Corporation                                    | 16/02/2016 | 3417156 | 16704656.4 |        |
| 3417241 | AgJunction LLC                                             | 03/02/2017 | 3417241 | 17707136.2 |        |
| 3417481 | 3D Plus                                                    | 14/02/2017 | 3417481 | 17704275.1 | French |
| 3417576 | Apple Inc.                                                 | 16/02/2017 | 3417576 | 17708081.9 |        |
| 3417590 | Microsoft Technology Licensing, LLC                        | 07/02/2017 | 3417590 | 17706355.9 |        |
| 3417658 | Nokia Solutions and Networks Oy                            | 02/02/2017 | 3417658 | 17703375.0 |        |
| 3417788 | Siemens Healthcare GmbH                                    | 21/06/2017 | 3417788 | 17177191.8 | German |
| 3417883 | Bayer AS                                                   | 14/02/2011 | 3417883 | 18163914.7 |        |
| 3417990 | Toyota Jidosha Kabushiki Kaisha                            | 04/06/2018 | 3417990 | 18175799.8 |        |
| 3418066 | Giesecke+Devrient Currency<br>Technology GmbH              | 19/06/2018 | 3418066 | 18000539.9 | German |

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| 3418124 | RENAULT s.a.s.                                                                                                                    | 18/06/2018 | 3418124 | 18178159.2 | French |
| 3418130 | Jaguar Land Rover Limited                                                                                                         | 04/09/2015 | 3418130 | 18183295.7 |        |
| 3418567 | Walmsley Developments Pty Ltd                                                                                                     | 20/06/2018 | 3418567 | 18178860.5 |        |
| 3418569 | Mitsubishi Heavy Industries Thermal Systems, Ltd.                                                                                 | 06/07/2017 | 3418569 | 17827539.2 |        |
| 3418590 | fischerwerke GmbH & Co. KG                                                                                                        | 04/06/2018 | 3418590 | 18175678.4 | German |
| 3419086 | Kabushiki Kaisha Toshiba                                                                                                          | 26/12/2014 | 3419086 | 18186013.1 |        |
| 3419792 | KUKA Deutschland GmbH                                                                                                             | 14/02/2017 | 3419792 | 17705375.8 | German |
| 3419798 | Koninklijke Philips N.V.                                                                                                          | 10/02/2017 | 3419798 | 17704458.3 |        |
| 3419904 | The Procter & Gamble Company                                                                                                      | 06/02/2017 | 3419904 | 17706612.3 |        |
| 3419911 | Ma Cuisine Originale Ltd                                                                                                          | 22/02/2017 | 3419911 | 17713423.6 |        |
| 3419938 | Heye International GmbH                                                                                                           | 20/04/2018 | 3419938 | 18720099.3 | German |
| 3419966 | Alcon Inc.                                                                                                                        | 16/02/2017 | 3419966 | 17709807.6 |        |
| 3420278 | Mészáros, Péter Ferenc<br>Mészárosné Drizner, Rita Mária<br>Mészáros, Péter Balázs<br>Mészáros, Máté Zsolt<br>Mészáros, Márk Imre | 27/02/2017 | 3420278 | 17780199.0 |        |
| 3420291 | Sirona Dental Systems GmbH                                                                                                        | 22/02/2017 | 3420291 | 17708713.7 | German |
| 3420486 | Micro Systemation AB                                                                                                              | 23/02/2017 | 3420486 | 17706993.7 |        |
| 3420553 | E Ink Corporation                                                                                                                 | 04/11/2016 | 3420553 | 16891882.9 |        |
| 3420625 | Apple Inc.                                                                                                                        | 24/02/2017 | 3420625 | 17708962.0 |        |
| 3420934 | Ethicon LLC                                                                                                                       | 21/12/2017 | 3420934 | 17209319.7 |        |
| 3421101 | Zedel                                                                                                                             | 18/06/2018 | 3421101 | 18178269.9 | French |
| 3421451 | LG Chem, Ltd.                                                                                                                     | 06/11/2017 | 3421451 | 17887093.7 |        |
| 3421478 | Evonik Operations GmbH                                                                                                            | 29/06/2017 | 3421478 | 17178595.9 |        |
| 3421800 | Mitsubishi Electric Corporation                                                                                                   | 23/02/2016 | 3421800 | 16891410.9 |        |
| 3422001 | Genzyme Corporation                                                                                                               | 11/02/2015 | 3422001 | 18188141.8 |        |
| 3422027 | Lisa Dräxlmaier GmbH                                                                                                              | 18/06/2018 | 3422027 | 18178224.4 | German |
| 3422080 | Konica Minolta, Inc.                                                                                                              | 24/02/2017 | 3422080 | 17756640.3 |        |
| 3422312 | Eurocloture SPRL                                                                                                                  | 07/06/2018 | 3422312 | 18176459.8 | French |
| 3422371 | TOYOTA JIDOSHA KABUSHIKI<br>KAISHA<br>TOHOKU UNIVERSITY                                                                           | 26/06/2018 | 3422371 | 18179914.9 |        |
| 3422382 | ABB Schweiz AG                                                                                                                    | 28/06/2017 | 3422382 | 17178249.3 |        |
| 3422492 | YAZAKI CORPORATION                                                                                                                | 28/06/2018 | 3422492 | 18180481.6 |        |
| 3423242 | KUKA Deutschland GmbH                                                                                                             | 28/02/2017 | 3423242 | 17708212.0 | German |

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|---------|--------------------------------------------|------------|---------|------------|--------|
| 3423296 | Technium AS                                | 27/02/2017 | 3423296 | 17714032.4 |        |
| 3423447 | vTv Therapeutics LLC                       | 23/02/2017 | 3423447 | 17708953.9 |        |
| 3423518 | Dow Global Technologies LLC                | 15/02/2017 | 3423518 | 17708048.8 |        |
|         | Rohm and Haas Company                      |            |         |            |        |
| 3424050 | Surecore Limited                           | 27/02/2017 | 3424050 | 17710365.2 |        |
| 3424153 | QUALCOMM Incorporated                      | 15/02/2017 | 3424153 | 17708047.0 |        |
| 3424360 | Reebok International Limited               | 03/07/2018 | 3424360 | 18181464.1 |        |
| 3424377 | SEB S.A.                                   | 02/07/2018 | 3424377 | 18181292.6 | French |
| 3424755 | Deere & Company                            | 04/07/2018 | 3424755 | 18181687.7 | German |
| 3424824 | Equashield Medical Ltd.                    | 03/02/2014 | 3424824 | 18185308.6 |        |
| 3425078 | Nippon Steel Corporation                   | 20/02/2017 | 3425078 | 17759717.6 |        |
| 3425142 | Yifeng Manufacturing Co., Ltd.             | 14/12/2017 | 3425142 | 17893516.9 |        |
| 3425143 | Tubex                                      | 05/07/2018 | 3425143 | 18181971.5 | French |
| 3425177 | Ansaldo Energia Switzerland AG             | 05/07/2017 | 3425177 | 17179889.5 |        |
| 3425244 | DENSO CORPORATION                          | 27/01/2017 | 3425244 | 17759498.3 |        |
| 3425319 | Sunlight Power Inc.                        | 13/06/2013 | 3425319 | 18184638.7 |        |
|         | Baldwin, David                             |            |         |            |        |
| 3425608 | FUJITSU LIMITED                            | 25/06/2018 | 3425608 | 18179505.5 |        |
| 3425647 | Inelxia Limited                            | 25/05/2012 | 3425647 | 18188465.1 |        |
| 3425756 | Pepperl+Fuchs AG                           | 07/07/2017 | 3425756 | 17001162.1 | German |
| 3425924 | Samsung Electronics Co., Ltd.              | 04/07/2018 | 3425924 | 18181765.1 |        |
| 3426008 | Heraeus Deutschland GmbH & Co KG           | 25/10/2013 | 3426008 | 18183747.7 |        |
| 3427324 | 3M Innovative Properties Company           | 23/02/2017 | 3427324 | 17709278.0 |        |
| 3427327 | BASF SE                                    | 03/03/2017 | 3427327 | 17708521.4 | German |
| 3427559 | PÖTTINGER Landtechnik GmbH                 | 11/07/2018 | 3427559 | 18182873.2 | German |
| 3427567 | Deere & Company                            | 12/07/2017 | 3427567 | 17181018.7 |        |
| 3428056 | Airbus Operations, S.L.                    | 13/07/2017 | 3428056 | 17382460.8 |        |
| 3428072 | Goodrich Lighting Systems GmbH             | 14/07/2017 | 3428072 | 17181561.6 |        |
| 3428076 | Cryovac, LLC                               | 27/10/2015 | 3428076 | 18193373.0 |        |
| 3428354 | TECE GmbH                                  | 27/06/2018 | 3428354 | 18180167.1 | German |
| 3428459 | Firestone Industrial Products Company, LLC | 12/10/2010 | 3428459 | 18186352.3 |        |
| 3428634 | KABUSHIKI KAISHA TOSHIBA                   | 16/02/2018 | 3428634 | 18157145.6 |        |
| 3428665 | NXP B.V.                                   | 11/07/2017 | 3428665 | 17180696.1 |        |
| 3428890 | Invoxia                                    | 04/07/2018 | 3428890 | 18181559.8 | French |
| 3428900 | PSA Automobiles SA                         | 25/06/2018 | 3428900 | 18179572.5 | French |

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| 3429136 | VOLKSWAGEN                                                           | 06/06/2018 | 3429136 | 18176209.7 | German |
|         | AKTIENGESELLSCHAFT                                                   |            |         |            |        |
| 3429313 | Ortner Consulting & Trading GmbH                                     | 10/07/2018 | 3429313 | 18182682.7 | German |
| 3429418 | Nuovi Gioielli S.r.l.                                                | 02/02/2017 | 3429418 | 17711324.8 |        |
| 3429681 | Boston Scientific Neuromodulation Corporation                        | 14/02/2017 | 3429681 | 17710632.5 |        |
| 3429924 | Goldhofer AG                                                         | 17/03/2017 | 3429924 | 17711199.4 | German |
| 3430612 | Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V. | 16/03/2017 | 3430612 | 17711161.4 |        |
| 3430620 | Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V. | 16/03/2017 | 3430620 | 17710751.3 |        |
| 3430938 | Aptar Radolfzell GmbH                                                | 21/07/2017 | 3430938 | 17182583.9 | German |
| 3430952 | SIMONELLI GROUP S.P.A.                                               | 16/07/2018 | 3430952 | 18183650.3 |        |
| 3430976 | Osaka University<br>Topcon Corporation                               | 20/02/2017 | 3430976 | 17766232.7 |        |
| 3430977 | Ohio State Innovation Foundation                                     | 07/11/2014 | 3430977 | 18188964.3 |        |
| 3431408 | Lodge, Brian Leonard                                                 | 18/07/2017 | 3431408 | 17181897.4 |        |
| 3431413 | "Grand Candy" Limited Liability Company                              | 18/07/2018 | 3431413 | 18184145.3 |        |
| 3431656 | Sander, Kurt                                                         | 21/06/2018 | 3431656 | 18178938.9 | German |
| 3431764 | Marschall, Rouven<br>Marschall, Quentin                              | 19/07/2018 | 3431764 | 18184343.4 | German |
| 3431905 | Vestel Elektronik Sanayi ve Ticaret A.S.                             | 19/07/2017 | 3431905 | 17182095.4 |        |
| 3431917 | KYOOKA Co., Ltd.                                                     | 21/07/2017 | 3431917 | 17811429.4 |        |
| 3432621 | CANON KABUSHIKI KAISHA                                               | 30/01/2009 | 3432621 | 18189045.0 |        |
| 3432622 | Deutsche Telekom AG<br>Giesecke+Devrient Mobile Security GmbH        | 18/07/2017 | 3432622 | 17181888.3 |        |
| 3432623 | Deutsche Telekom AG<br>Giesecke+Devrient Mobile Security GmbH        | 18/07/2017 | 3432623 | 17181891.7 |        |
| 3433191 | Tyrolon-Schulnig GmbH                                                | 26/10/2017 | 3433191 | 17793625.9 | German |
| 3434319 | Avent, Inc.                                                          | 28/10/2015 | 3434319 | 18193042.1 |        |
| 3434782 | Nissan Chemical Corporation<br>National Institute of Technology      | 04/04/2017 | 3434782 | 17779129.0 |        |
| 3434821 | Whirlpool Corporation                                                | 11/07/2018 | 3434821 | 18183030.8 |        |

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| 3435040 | Sentec Ltd                                                                                                                                 | 28/07/2016 | 3435040 | 18194819.1 |        |
| 3435104 | National Institute for Materials Science<br>JEOL Ltd.                                                                                      | 11/07/2018 | 3435104 | 18182990.4 |        |
| 3435274 | NCR Corporation                                                                                                                            | 17/07/2018 | 3435274 | 18184059.6 |        |
| 3435493 | Siemens Aktiengesellschaft                                                                                                                 | 27/07/2017 | 3435493 | 17183517.6 | German |
| 3435599 | Juniper Networks, Inc.                                                                                                                     | 27/07/2018 | 3435599 | 18185948.9 |        |
| 3435692 | Apple Inc.                                                                                                                                 | 28/05/2015 | 3435692 | 18195993.3 |        |
| 3435724 | NEC Corporation                                                                                                                            | 25/09/2008 | 3435724 | 18190690.0 |        |
| 3435789 | Samsung Electronics Co., Ltd.                                                                                                              | 06/07/2017 | 3435789 | 17827875.0 |        |
| 3436721 | Achates Power, Inc.                                                                                                                        | 19/05/2017 | 3436721 | 17726813.3 |        |
| 3436879 | AI motive Kft.                                                                                                                             | 14/11/2016 | 3436879 | 16801399.3 |        |
| 3438740 | SZ DJI Technology Co., Ltd.                                                                                                                | 29/08/2014 | 3438740 | 18196781.1 |        |
| 3439223 | QUALCOMM Incorporated                                                                                                                      | 23/10/2007 | 3439223 | 18196598.9 |        |
| 3439507 | AJYP                                                                                                                                       | 04/04/2017 | 3439507 | 17714249.4 | French |
| 3439926 | Valeo Systèmes d'Essuyage                                                                                                                  | 28/03/2017 | 3439926 | 17713309.7 | French |
| 3440220 | Illumina, Inc.                                                                                                                             | 05/04/2017 | 3440220 | 17718279.7 |        |
| 3440394 | Microsoft Technology Licensing, LLC                                                                                                        | 05/04/2017 | 3440394 | 17720300.7 |        |
| 3441096 | Sanofi-Aventis Deutschland GmbH                                                                                                            | 21/06/2011 | 3441096 | 18192253.5 |        |
| 3441257 | Kummler + Matter AG                                                                                                                        | 09/08/2017 | 3441257 | 17185568.7 | German |
| 3441297 | Yamaha Hatsudoki Kabushiki Kaisha                                                                                                          | 08/08/2018 | 3441297 | 18187978.4 |        |
| 3441418 | Samsung Electronics Co., Ltd.<br>Samsung SDI Co., Ltd.                                                                                     | 08/08/2018 | 3441418 | 18187913.1 |        |
| 3441751 | DENSO CORPORATION                                                                                                                          | 07/04/2017 | 3441751 | 17779229.8 |        |
| 3442167 | Deutsche Telekom AG                                                                                                                        | 08/08/2017 | 3442167 | 17185211.4 |        |
| 3442228 | Dolby International AB                                                                                                                     | 06/11/2012 | 3442228 | 18196614.4 | French |
| 3442308 | Kyocera Corporation                                                                                                                        | 01/11/2010 | 3442308 | 18197540.0 |        |
| 3442312 | AUDI AG                                                                                                                                    | 08/08/2018 | 3442312 | 18188000.6 | German |
| 3442435 | Fundació Institut d'Investigació en<br>Ciències de la Salut Germans Trias i<br>Pujol                                                       | 13/04/2017 | 3442435 | 17717705.2 |        |
| 3443439 | Microsoft Technology Licensing, LLC                                                                                                        | 11/04/2017 | 3443439 | 17719117.8 |        |
| 3443857 | Golden Hour B.V.                                                                                                                           | 16/08/2017 | 3443857 | 17186380.6 |        |
| 3443963 | University Of Ulsan Foundation For<br>Industry Cooperation<br>The Asan Foundation<br>Korea Advanced Institute of Science<br>and Technology | 11/04/2017 | 3443963 | 17782633.6 |        |

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| 3444414      | Tobler AG                                                        | 16/08/2017                                                    | 3444414 | 17186487.9 | German |
| 3444487      | MAN Truck & Bus SE                                               | 23/07/2018                                                    | 3444487 | 18184882.1 | German |
| 3444494      | Diehl Metall Stiftung & Co. KG                                   | 07/08/2018                                                    | 3444494 | 18000656.1 | German |
| 3444831      | Mitsubishi Electric Corporation                                  | 24/02/2017                                                    | 3444831 | 17782133.7 |        |
| 3444867      | Optodot Corporation                                              | 18/07/2011                                                    | 3444867 | 18198974.0 |        |
| 3444921      | LG Chem, Ltd.                                                    | 09/01/2018                                                    | 3444921 | 18739083.6 |        |
| 3445130      | Huawei Technologies Co., Ltd.                                    | 31/05/2016                                                    | 3445130 | 16903442.8 |        |
| 3445149      | Maschio Gaspardo S.p.A.                                          | 21/04/2017                                                    | 3445149 | 17730267.6 |        |
| 3445150      | Maschio Gaspardo S.p.A.                                          | 21/04/2017                                                    | 3445150 | 17730923.4 |        |
| 3445429      | Philip Morris Products S.A.                                      | 30/03/2017                                                    | 3445429 | 17715096.8 |        |
| 3445480      | Brabender Technologie GmbH & Co. KG                              | 20/04/2017                                                    | 3445480 | 17721969.8 | German |
| 3445517      | Siemens Aktiengesellschaft                                       | 01/06/2017                                                    | 3445517 | 17726952.9 |        |
| 3445594      | Compagnie Générale des Etablissements Michelin                   | 24/04/2017                                                    | 3445594 | 17725661.7 | French |
| 3445663      | Krones AG                                                        | 06/02/2017                                                    | 3445663 | 17703417.0 | German |
| 3446065      | GPRO Co., Ltd.                                                   | 01/06/2018                                                    | 3446065 | 18785799.0 |        |
| 3446342      | Oxford University Innovation Limited                             | 21/04/2017                                                    | 3446342 | 17719893.4 |        |
| 3446785      | Brinkmann Pumpen K.H. Brinkmann GmbH & Co. KG                    | 08/08/2018                                                    | 3446785 | 18187895.0 | German |
| 3446881      | Roland DG Corporation                                            | 09/05/2016                                                    | 3446881 | 18199279.3 |        |
| 3446914      | Nissan Motor Co., Ltd.                                           | 14/12/2016                                                    | 3446914 | 16899502.5 |        |
| 3447023      | Linde Material Handling GmbH STILL GmbH                          | 19/07/2018                                                    | 3447023 | 18184464.8 | German |
| 3447227      | Schilling Engineering GmbH                                       | 17/08/2018                                                    | 3447227 | 18189435.3 | German |
| 3447362      | Appotronics Corporation Limited                                  | 07/12/2011                                                    | 3447362 | 18200701.3 |        |
| 3447647      | Imagination Technologies Limited                                 | 29/03/2017                                                    | 3447647 | 18192615.5 |        |
| 3448226      | Assistance Publique-Hôpitaux de Paris (AP-HP)                    | 06/06/2017                                                    | 3448226 | 17742465.2 | French |
| 3448275      | Shockwave Medical, Inc.                                          | 01/02/2017                                                    | 3448275 | 17705528.2 |        |
| 3448345      | Fondazione Istituto Italiano di Tecnologia Politecnico Di Torino | 13/04/2017                                                    | 3448345 | 17726685.5 |        |
| 3448531      | Tenet S.r.l.                                                     | 28/04/2017                                                    | 3448531 | 17734844.8 |        |
| 3448774      | Nicoventures Holdings Limited                                    | 28/04/2017                                                    | 3448774 | 17721816.1 |        |
| 3449037      | Arcelormittal                                                    | 26/04/2017                                                    | 3449037 | 17729537.5 |        |
| 3449198      | Valeo Systemes Thermiques                                        | 19/04/2017                                                    | 3449198 | 17722113.2 | French |

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| 3449416 | Siemens Aktiengesellschaft                                | 13/04/2017 | 3449416 | 17721057.2 | German |
| 3449696 | Ledcom International S.r.l.                               | 21/04/2017 | 3449696 | 17724635.2 |        |
| 3449831 | General Electric Company                                  | 15/08/2018 | 3449831 | 18189150.8 |        |
| 3449893 | EPIC MEDICAL PTE LTD                                      | 23/08/2018 | 3449893 | 18190565.4 |        |
| 3450592 | Evonik Operations GmbH                                    | 28/08/2017 | 3450592 | 17188057.8 | German |
| 3450658 | Linhai Baocheng Crafts Co., Ltd                           | 22/09/2017 | 3450658 | 17192705.6 |        |
| 3450787 | PSA Automobiles SA                                        | 23/07/2018 | 3450787 | 18184913.4 | French |
| 3450887 | Whirlpool S.A.                                            | 08/08/2018 | 3450887 | 18188112.9 |        |
| 3450972 | Agilent Technologies, Inc.                                | 22/02/2018 | 3450972 | 18158000.2 |        |
| 3451332 | Dolby International AB                                    | 31/08/2018 | 3451332 | 18191910.1 |        |
| 3451415 | Samsung SDI Co., Ltd.                                     | 29/08/2018 | 3451415 | 18191363.3 |        |
| 3451560 | Huawei Technologies Co., Ltd.                             | 17/05/2016 | 3451560 | 16901971.8 |        |
| 3451598 | Siemens Aktiengesellschaft                                | 29/08/2017 | 3451598 | 17188345.7 |        |
| 3451645 | JVCKENWOOD Corporation                                    | 27/03/2017 | 3451645 | 17789153.8 |        |
| 3451791 | E.G.O. Elektro-Gerätebau GmbH                             | 27/08/2018 | 3451791 | 18190886.4 | German |
| 3452151 | Aptar France SAS                                          | 02/05/2017 | 3452151 | 17727281.2 | French |
| 3452631 | Tata Steel Nederland Technology B.V.                      | 01/05/2017 | 3452631 | 17721357.6 |        |
| 3452633 | Tata Steel Nederland Technology B.V.                      | 01/05/2017 | 3452633 | 17720142.3 |        |
| 3452640 | Barker, Michael Harold                                    | 04/05/2017 | 3452640 | 17723479.6 |        |
|         | Grant, Duncan A.                                          |            |         |            |        |
| 3452774 | ITT Manufacturing Enterprises LLC                         | 02/05/2017 | 3452774 | 17733201.2 |        |
| 3452847 | Audi AG                                                   | 03/05/2017 | 3452847 | 17720821.2 | German |
| 3453026 | Hydromine Nuclear Energy S.A.R.L.                         | 04/05/2017 | 3453026 | 17733004.0 |        |
| 3453378 | Società Italo Britannica L. Manetti - H. Roberts & C.p.A. | 07/09/2018 | 3453378 | 18193157.7 |        |
| 3453826 | GeoDynamics, Inc.                                         | 07/08/2018 | 3453826 | 18187649.1 |        |
| 3453933 | Nova Werke AG                                             | 12/09/2017 | 3453933 | 17190564.9 | German |
| 3454077 | NXP B.V.                                                  | 12/04/2018 | 3454077 | 18167134.8 |        |
| 3454078 | NXP B.V.                                                  | 12/04/2018 | 3454078 | 18167135.5 |        |
| 3454102 | Teldor Cables & Systems Ltd.                              | 06/09/2018 | 3454102 | 18193074.4 |        |
| 3454428 | Tyco Electronics Japan G.K.                               | 06/09/2018 | 3454428 | 18193033.0 |        |
| 3454505 | Hewlett Packard Enterprise Development LP                 | 26/10/2017 | 3454505 | 17198656.5 |        |
| 3454631 | voestalpine Stahl GmbH                                    | 08/09/2017 | 3454631 | 17020414.3 | German |
| 3454799 | Fisioshen di Loris Redivo                                 | 11/05/2017 | 3454799 | 17732568.5 |        |
| 3455014 | Siemens Aktiengesellschaft                                | 18/04/2017 | 3455014 | 17721540.7 | German |
| 3455429 | Innovation Pool Factory                                   | 13/05/2016 | 3455429 | 16724345.0 | French |



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| 3455581 | ArcelorMittal                                                                                                            | 09/05/2017 | 3455581 | 17722518.2 |        |
| 3455986 | QUALCOMM Incorporated                                                                                                    | 12/05/2017 | 3455986 | 17725457.0 |        |
| 3456443 | FMB Maschinenbaugesellschaft mbH & CO. KG                                                                                | 15/09/2017 | 3456443 | 17191474.0 | German |
| 3456608 | Dana Heavy Vehicle Systems Group, LLC                                                                                    | 09/08/2018 | 3456608 | 18188361.2 |        |
| 3456627 | Bell Helicopter Textron Inc.                                                                                             | 12/04/2018 | 3456627 | 18167019.1 |        |
| 3456650 | Anchor Packaging, LLC                                                                                                    | 13/09/2018 | 3456650 | 18194146.9 |        |
| 3456933 | Safran Aero Boosters SA                                                                                                  | 11/07/2018 | 3456933 | 18182919.3 | French |
| 3456935 | MEAS France                                                                                                              | 15/09/2017 | 3456935 | 17290118.3 |        |
| 3457454 | GS Yuasa International Ltd.                                                                                              | 09/12/2011 | 3457454 | 18198114.3 |        |
| 3457524 | IHI Corporation                                                                                                          | 02/06/2015 | 3457524 | 18198856.9 |        |
| 3457572 | Huawei Technologies Co., Ltd.                                                                                            | 31/05/2016 | 3457572 | 16903460.0 |        |
| 3457842 | Irelec                                                                                                                   | 15/05/2017 | 3457842 | 17723123.0 | French |
| 3458145 | Industrie Borla S.p.A.                                                                                                   | 18/05/2017 | 3458145 | 17735626.8 |        |
| 3458321 | Haldex Brake Products Aktiebolag                                                                                         | 19/05/2017 | 3458321 | 17723721.1 |        |
| 3458323 | KNORR-BREMSE Systeme für Schienenfahrzeuge GmbH                                                                          | 11/05/2017 | 3458323 | 17723976.1 | German |
| 3458471 | EXCIVION LIMITED                                                                                                         | 22/05/2017 | 3458471 | 17726515.4 |        |
| 3458559 | The Procter & Gamble Company                                                                                             | 17/05/2017 | 3458559 | 17726088.2 |        |
| 3458826 | Pirelli Tyre S.p.A.                                                                                                      | 17/05/2017 | 3458826 | 17731283.2 |        |
| 3458848 | Oxford University Innovation Limited                                                                                     | 17/05/2017 | 3458848 | 17725736.7 |        |
| 3458954 | Telefonaktiebolaget LM Ericsson (publ)                                                                                   | 15/12/2016 | 3458954 | 16819374.6 |        |
| 3459170 | Siemens Aktiengesellschaft                                                                                               | 27/06/2017 | 3459170 | 17734700.2 | German |
| 3460228 | Skidmore Owings & Merrill LLP                                                                                            | 12/08/2010 | 3460228 | 18202810.0 |        |
| 3460294 | Flender GmbH                                                                                                             | 20/09/2017 | 3460294 | 17192038.2 | German |
| 3460479 | Bruker Daltonik GmbH                                                                                                     | 22/08/2018 | 3460479 | 18190137.2 |        |
| 3460750 | Brandenburgische Technische Universität Cottbus-Senftenberg DKFZ Deutsches Krebsforschungszentrum GA Generic Assays GmbH | 02/02/2018 | 3460750 | 18154858.7 |        |
| 3460885 | KABUSHIKI KAISHA TOSHIBA                                                                                                 | 19/02/2018 | 3460885 | 18157344.5 |        |
| 3461136 | Hangzhou Hikvision Digital Technology Co., Ltd.                                                                          | 23/12/2016 | 3461136 | 16902261.3 |        |
| 3461191 | Huawei Technologies Co., Ltd.                                                                                            | 04/12/2014 | 3461191 | 18184187.5 |        |
| 3461743 | The Boeing Company                                                                                                       | 20/09/2018 | 3461743 | 18195596.4 |        |

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| 3461931 | EXCOR Korrosionsforschung GmbH                                      | 13/02/2018 | 3461931 | 18156539.1 | German |
| 3461986 | Lamelcolor SA                                                       | 28/09/2018 | 3461986 | 18197604.4 | French |
| 3462295 | Beijing Xiaomi Mobile Software Co., Ltd.                            | 29/05/2018 | 3462295 | 18174768.4 |        |
| 3462370 | NXP B.V.                                                            | 10/08/2018 | 3462370 | 18188559.1 |        |
| 3462531 | Encell Technology, Inc.                                             | 06/02/2014 | 3462531 | 18206589.6 |        |
| 3462627 | ALSTOM Transport Technologies                                       | 28/09/2018 | 3462627 | 18197667.1 | French |
| 3462787 | Hewlett Packard Enterprise Development LP                           | 27/10/2017 | 3462787 | 17199017.9 |        |
| 3462841 | Rem Tec S.R.L.                                                      | 23/05/2016 | 3462841 | 16760201.0 |        |
| 3463115 | FMP Biotechnologies S.r.l.                                          | 25/05/2017 | 3463115 | 17731946.4 |        |
| 3463580 | Symrise AG                                                          | 23/05/2016 | 3463580 | 16728847.1 |        |
| 3463701 | I.M.A. Industria Macchine Automatiche S.p.A.                        | 22/05/2017 | 3463701 | 17739307.1 |        |
| 3463756 | STIWA Holding GmbH                                                  | 31/05/2017 | 3463756 | 17739845.0 | German |
| 3463789 | Philip Morris Products S.A.                                         | 13/04/2017 | 3463789 | 17717715.1 |        |
| 3463839 | Compagnie Générale des Etablissements Michelin                      | 05/05/2017 | 3463839 | 17727637.5 | French |
| 3463873 | Basell Poliolefine Italia S.r.l.                                    | 09/05/2017 | 3463873 | 17727798.5 |        |
| 3464043 | VEL'CO                                                              | 02/06/2017 | 3464043 | 17737484.0 | French |
| 3464252 | 3M Innovative Properties Company                                    | 22/05/2017 | 3464252 | 17726502.2 |        |
| 3464678 | Glass Surface Technology                                            | 24/05/2017 | 3464678 | 17732507.3 | French |
| 3464727 | Plasser & Theurer, Export von Bahnbaumaschinen, Gesellschaft m.b.H. | 24/04/2017 | 3464727 | 17718479.3 | German |
| 3464867 | Wärtsilä Finland Oy                                                 | 01/06/2016 | 3464867 | 16736511.3 |        |
| 3464969 | Saudi Arabian Oil Company                                           | 12/07/2017 | 3464969 | 17743439.6 |        |
| 3465042 | Sadaci NV                                                           | 24/05/2017 | 3465042 | 17727534.4 |        |
| 3465077 | Hottinger Baldwin Messtechnik GmbH                                  | 24/07/2017 | 3465077 | 17780988.6 | German |
| 3465078 | Hottinger Baldwin Messtechnik GmbH                                  | 24/07/2017 | 3465078 | 17784832.2 | German |
| 3465441 | Haug, Thomas                                                        | 25/04/2017 | 3465441 | 17721569.6 | German |
| 3465697 | QSA Global Inc.                                                     | 19/05/2017 | 3465697 | 17730597.6 |        |
| 3466536 | Cataler Corporation                                                 | 05/06/2017 | 3466536 | 17810280.2 |        |
| 3466552 | Solystic                                                            | 10/08/2018 | 3466552 | 18188485.9 | French |
| 3467042 | LG Chem, Ltd.                                                       | 29/11/2017 | 3467042 | 17884529.3 |        |
| 3468438 | Koninklijke Philips N.V.                                            | 27/03/2018 | 3468438 | 18713668.4 |        |

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| 3468978 | Cassandro S.r.l.<br>Martellini, Maurizio<br>Gherardi, Giuseppe                                                           | 14/06/2016 | 3468978 | 16770098.8 |        |
| 3469477 | Microsoft Technology Licensing, LLC                                                                                      | 08/06/2017 | 3469477 | 17731691.6 |        |
| 3470797 | SICK AG                                                                                                                  | 22/08/2018 | 3470797 | 18190293.3 | German |
| 3470951 | Telefonaktiebolaget LM Ericsson (publ)                                                                                   | 14/12/2015 | 3470951 | 18206842.9 |        |
| 3471186 | Samsung SDI Co., Ltd.                                                                                                    | 16/10/2017 | 3471186 | 17196504.9 |        |
| 3471189 | Envision AESC Japan Ltd.                                                                                                 | 08/06/2016 | 3471189 | 16904628.1 |        |
| 3471190 | Envision AESC Japan Ltd.                                                                                                 | 08/06/2016 | 3471190 | 16904629.9 |        |
| 3471195 | Envision AESC Japan Ltd.                                                                                                 | 08/06/2016 | 3471195 | 16904631.5 |        |
| 3472028 | MITSUBISHI ELECTRIC<br>CORPORATION                                                                                       | 06/02/2018 | 3472028 | 18712278.3 |        |
| 3472114 | Saint-Gobain Glass France                                                                                                | 14/06/2017 | 3472114 | 17740049.6 | French |
| 3472121 | Centre National de la Recherche<br>Scientifique<br>Safran Aircraft Engines<br>SAFRAN<br>Université Claude Bernard Lyon 1 | 14/06/2017 | 3472121 | 17745784.3 | French |
| 3472161 | Novartis AG                                                                                                              | 06/06/2017 | 3472161 | 17733529.6 |        |
| 3472919 | Renault S.A.S.                                                                                                           | 09/06/2017 | 3472919 | 17734793.7 | French |
| 3472950 | QUALCOMM Incorporated                                                                                                    | 19/05/2017 | 3472950 | 17778383.4 |        |
| 3472990 | Qualcomm Incorporated                                                                                                    | 19/05/2017 | 3472990 | 17728323.1 |        |
| 3472996 | Ox Software GmbH                                                                                                         | 01/06/2017 | 3472996 | 17730942.4 |        |
| 3473219 | Unicharm Corporation                                                                                                     | 16/06/2016 | 3473219 | 16905482.2 |        |
| 3473393 | Nienstedt GmbH                                                                                                           | 19/10/2018 | 3473393 | 18201518.0 | German |
| 3473773 | Steinhardt GmbH                                                                                                          | 17/10/2017 | 3473773 | 17196760.7 | German |
| 3473788 | Cetal                                                                                                                    | 15/10/2018 | 3473788 | 18200379.8 | French |
| 3474085 | ETA SA Manufacture Horlogère Suisse                                                                                      | 23/10/2017 | 3474085 | 17197847.1 | French |
| 3474494 | Huawei Technologies Co., Ltd.                                                                                            | 07/04/2017 | 3474494 | 17826801.7 |        |
| 3474761 | Advanced Osteotomy Tools - AOT AG                                                                                        | 22/06/2017 | 3474761 | 17731908.4 |        |
| 3475461 | Cardinal CG Company                                                                                                      | 24/05/2017 | 3475461 | 17734174.0 |        |
| 3475957 | Heraeus Nexensos GmbH                                                                                                    | 27/06/2017 | 3475957 | 17737738.9 | German |
| 3476344 | Heraeus Medical Components, LLC<br>Heraeus Deutschland GmbH & Co. KG                                                     | 05/10/2017 | 3476344 | 17194869.8 |        |
| 3476376 | Unicharm Corporation                                                                                                     | 23/06/2016 | 3476376 | 16906302.1 |        |
| 3476913 | Polytex Sportbeläge Produktions-<br>GmbH                                                                                 | 24/10/2017 | 3476913 | 17198136.8 |        |

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| 3477066 | General Electric Company                             | 30/10/2017 | 3477066 | 17461629.2 |        |
| 3477409 | Ako Electromecánica, S.A.L.<br>Universitat de Lleida | 31/10/2017 | 3477409 | 17382730.4 |        |
| 3477709 | Thales                                               | 25/10/2018 | 3477709 | 18202604.7 | French |
| 3477879 | Samsung Electronics Co., Ltd.                        | 28/07/2017 | 3477879 | 17834822.3 |        |
| 3477919 | Apple Inc.                                           | 24/01/2019 | 3477919 | 19153479.1 |        |
| 3478334 | Gambro Lundia AB                                     | 27/06/2017 | 3478334 | 17733808.4 |        |
| 3478338 | Gambro Lundia AB                                     | 08/05/2017 | 3478338 | 17727795.1 |        |
| 3478514 | Hansen & Rosenthal KG                                | 12/06/2017 | 3478514 | 17731107.3 |        |
| 3479071 | Robert Bosch GmbH                                    | 29/06/2017 | 3479071 | 17757466.2 | German |
| 3479109 | Bormioli Pharma S.P.A.                               | 28/06/2017 | 3479109 | 17754195.0 |        |
| 3479183 | Audi AG                                              | 18/09/2017 | 3479183 | 17780317.8 | German |
| 3479184 | Thermowatt S.p.A.                                    | 16/06/2017 | 3479184 | 17733521.3 |        |
| 3479282 | Microsoft Technology Licensing, LLC                  | 23/06/2017 | 3479282 | 17735324.0 |        |
| 3479355 | Brainlab AG                                          | 18/06/2018 | 3479355 | 18732736.6 |        |
| 3479363 | Sicpa Holding SA                                     | 26/06/2017 | 3479363 | 17732143.7 |        |
| 3479601 | OCTO Telematics S.p.A.                               | 27/06/2017 | 3479601 | 17749518.1 |        |
| 3479629 | Telefonaktiebolaget LM Ericsson<br>(PUBL)            | 29/06/2017 | 3479629 | 17735462.8 |        |
| 3479720 | The Swatch Group Research and<br>Development Ltd     | 07/11/2017 | 3479720 | 17200360.0 | French |
| 3479895 | Heraeus Medical GmbH                                 | 29/10/2018 | 3479895 | 18203106.2 | German |
| 3480092 | Kwang Yang Motor Co., Ltd.                           | 12/09/2018 | 3480092 | 18193928.1 |        |
| 3480104 | ASKOLL EVA S.r.l. a Socio Unico                      | 06/11/2017 | 3480104 | 17425111.6 |        |
| 3480124 | ISHIDA CO., Ltd.                                     | 30/10/2018 | 3480124 | 18203416.5 |        |
| 3480510 | Xiamen Eco Lighting Co., Ltd.                        | 29/05/2018 | 3480510 | 18174862.5 |        |
| 3480537 | Qingdao Haier Air Conditioner General<br>Corp., Ltd. | 09/02/2017 | 3480537 | 17823410.0 |        |
| 3481501 | Cardiac Pacemakers, Inc.                             | 27/06/2017 | 3481501 | 17737680.3 |        |
| 3481537 | Ederna                                               | 06/07/2017 | 3481537 | 17745432.9 | French |
| 3481639 | Arioli S.p.A.                                        | 05/07/2017 | 3481639 | 17746192.8 |        |
| 3482106 | Flender GmbH                                         | 18/09/2017 | 3482106 | 17778208.3 | German |
| 3482468 | Cobolt AB                                            | 30/06/2017 | 3482468 | 17733855.5 |        |
| 3482486 | Telefonaktiebolaget LM Ericsson<br>(PUBL)            | 08/07/2016 | 3482486 | 16738563.2 |        |
| 3482516 | QUALCOMM Incorporated                                | 10/07/2017 | 3482516 | 17740875.4 |        |

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| 3482752 | Gachon University of Industry-Academic Cooperation Foundation<br>Jeju National University Industry-Academic Cooperation Foundation | 08/11/2018 | 3482752 | 18205072.4 |        |
| 3482973 | Sumitomo Rubber Industries, Ltd.                                                                                                   | 22/10/2018 | 3482973 | 18201702.0 |        |
| 3484755 | Mitsubishi Electric Corporation                                                                                                    | 06/07/2017 | 3484755 | 17754207.3 |        |
| 3485347 | Audi AG                                                                                                                            | 06/07/2017 | 3485347 | 17735541.9 | German |
| 3485509 | Siemens Aktiengesellschaft                                                                                                         | 14/09/2017 | 3485509 | 17768102.0 | German |
| 3485650 | Samsung Electronics Co., Ltd.                                                                                                      | 17/08/2017 | 3485650 | 17843878.4 |        |
| 3485754 | Skiarea Miara Srl                                                                                                                  | 16/11/2018 | 3485754 | 18206691.0 | German |
| 3486733 | Patek Philippe SA Genève                                                                                                           | 19/11/2018 | 3486733 | 18207053.2 | French |
| 3488253 | Renesas Electronics Corporation                                                                                                    | 21/07/2016 | 3488253 | 16751506.3 |        |
| 3488728 | Maletti S.p.A.                                                                                                                     | 19/04/2018 | 3488728 | 18168140.4 |        |
| 3489102 | Miraevc Co., Ltd.                                                                                                                  | 23/11/2017 | 3489102 | 17203236.9 |        |
| 3489982 | CARLING TECHNOLOGIES, Inc.                                                                                                         | 05/09/2018 | 3489982 | 18192826.8 |        |
| 3490086 | Schneider Electric Industries SAS                                                                                                  | 29/10/2018 | 3490086 | 18203059.3 | French |
| 3490641 | Tecpharma Licensing AG                                                                                                             | 21/06/2017 | 3490641 | 17734222.7 | German |
| 3491726 | e-peas S.A.                                                                                                                        | 21/06/2018 | 3491726 | 18731854.8 |        |
| 3492148 | Lucas, Thierry                                                                                                                     | 27/11/2018 | 3492148 | 18208477.2 | German |
| 3492204 | Fraisa SA                                                                                                                          | 01/12/2017 | 3492204 | 17204923.1 | German |
| 3492347 | Isuzu Motors Limited                                                                                                               | 26/07/2017 | 3492347 | 17834399.2 |        |
| 3493469 | Huawei Technologies Co., Ltd.                                                                                                      | 31/08/2016 | 3493469 | 16914608.1 |        |
| 3493980 | CONTRA VISION LIMITED                                                                                                              | 31/10/2017 | 3493980 | 17825925.5 |        |
| 3494008 | Tesmec S.p.A.                                                                                                                      | 26/07/2017 | 3494008 | 17761578.8 |        |
| 3495546 | Defond Electech Co., Ltd<br>Defond Components Limited                                                                              | 03/12/2018 | 3495546 | 18209833.5 |        |
| 3495684 | FCA Italy S.p.A.                                                                                                                   | 05/12/2017 | 3495684 | 17205475.1 |        |
| 3495724 | TONS LIGHTOLOGY INC.                                                                                                               | 16/02/2018 | 3495724 | 18157158.9 |        |
| 3497182 | Current Lighting Solutions, LLC                                                                                                    | 15/09/2017 | 3497182 | 17791191.4 |        |
| 3497331 | HAWE Altenstadt Holding GmbH                                                                                                       | 31/07/2017 | 3497331 | 17751329.8 | German |
| 3497705 | Koninklijke Philips N.V.                                                                                                           | 15/08/2017 | 3497705 | 17751109.4 |        |
| 3498012 | Telefonaktiebolaget LM Ericsson<br>(PUBL)                                                                                          | 10/08/2017 | 3498012 | 17767926.3 |        |
| 3498220 | Sudimplant                                                                                                                         | 13/12/2018 | 3498220 | 18000966.4 | French |
| 3498497 | Sumitomo Rubber Industries Ltd.                                                                                                    | 12/11/2018 | 3498497 | 18205558.2 |        |
| 3498806 | Commissariat à l'Energie Atomique et<br>aux Energies Alternatives                                                                  | 12/12/2018 | 3498806 | 18211950.3 | French |

|         |                                                                |            |         |            |        |
|---------|----------------------------------------------------------------|------------|---------|------------|--------|
| 3499040 | PFEIFFER VACUUM GMBH                                           | 15/12/2017 | 3499040 | 17207550.9 | German |
| 3499153 | Heatcraft Refrigeration Products LLC                           | 06/12/2018 | 3499153 | 18210902.5 |        |
| 3499957 | NEC Corporation                                                | 01/02/2008 | 3499957 | 19150662.5 |        |
| 3501789 | Krones AG                                                      | 07/04/2011 | 3501789 | 19152017.0 | German |
| 3501845 | SUMITOMO RUBBER INDUSTRIES, LTD.                               | 21/11/2018 | 3501845 | 18207469.0 |        |
| 3501955 | REHAU AG + Co                                                  | 17/12/2018 | 3501955 | 18212874.4 | German |
| 3502823 | Siemens Schweiz AG                                             | 14/11/2018 | 3502823 | 18206134.1 |        |
| 3504170 | The Swatch Group Research and Development Ltd                  | 16/06/2017 | 3504170 | 17733395.2 | French |
| 3505489 | Sony Corporation                                               | 21/07/2017 | 3505489 | 17843275.3 |        |
| 3506097 | FUJITSU LIMITED                                                | 05/12/2018 | 3506097 | 18210405.9 |        |
| 3506146 | Comxi Co., Ltd.                                                | 29/05/2018 | 3506146 | 18174903.7 |        |
| 3506695 | Huawei Technologies Co., Ltd.                                  | 29/09/2016 | 3506695 | 16917161.8 |        |
| 3506822 | NIGHTBALANCE B.V.                                              | 01/09/2017 | 3506822 | 17762242.0 |        |
| 3507235 | KHS GmbH                                                       | 30/05/2017 | 3507235 | 17727564.1 | German |
| 3507508 | Seifert Systems Ltd.                                           | 12/11/2018 | 3507508 | 18803386.4 | German |
| 3509911 | Novem Car Interior Design GmbH                                 | 24/09/2018 | 3509911 | 18782341.4 | German |
| 3511222 | Nissan Motor Co., Ltd.<br>Renault S.A.S.                       | 06/09/2016 | 3511222 | 16915643.7 |        |
| 3511963 | Mitsubishi Electric Corporation                                | 23/02/2017 | 3511963 | 17848319.4 |        |
| 3514875 | Commissariat à l'Énergie Atomique et aux Énergies Alternatives | 18/12/2018 | 3514875 | 18213560.8 | French |
| 3515764 | Svela Solutions AS                                             | 19/09/2017 | 3515764 | 17805296.5 |        |
| 3516416 | Audi AG                                                        | 21/12/2017 | 3516416 | 17822291.5 | German |
| 3516773 | QUALCOMM Incorporated                                          | 31/08/2017 | 3516773 | 17772144.6 |        |
| 3516792 | Hughes Network Systems, LLC                                    | 20/02/2018 | 3516792 | 18709222.6 |        |
| 3517641 | Duesenfeld GmbH                                                | 30/04/2018 | 3517641 | 18170117.8 | German |
| 3517953 | MBD Co., Ltd.                                                  | 16/10/2018 | 3517953 | 18200689.0 |        |
| 3518577 | Deutsche Telekom AG                                            | 26/01/2018 | 3518577 | 18153736.6 |        |
| 3519288 | Bing Power Systems GmbH                                        | 16/07/2018 | 3519288 | 18745854.2 | German |
| 3519363 | Unilever PLC                                                   | 19/09/2017 | 3519363 | 17768806.6 |        |
| 3519939 | International Business Machines Corporation                    | 21/09/2017 | 3519939 | 17772026.5 |        |
| 3520572 | Signify Holding B.V.                                           | 21/09/2017 | 3520572 | 17768816.5 |        |
| 3522796 | Medacta International SA                                       | 02/10/2017 | 3522796 | 17791463.7 |        |
| 3523373 | Wacker Chemie AG                                               | 07/10/2016 | 3523373 | 16778386.9 | German |

|         |                                                               |            |         |            |        |
|---------|---------------------------------------------------------------|------------|---------|------------|--------|
| 3524399 | TTI (Macao Commercial Offshore) Limited                       | 06/02/2019 | 3524399 | 19155768.5 |        |
| 3527371 | Dai Nippon Printing Co., Ltd.                                 | 16/09/2015 | 3527371 | 19166475.4 |        |
| 3527416 | ArvinMeritor Technology, LLC                                  | 13/12/2018 | 3527416 | 18212211.9 |        |
| 3527872 | Insta GmbH                                                    | 06/11/2018 | 3527872 | 18204590.6 | German |
| 3529131 | AUDI AG                                                       | 09/04/2018 | 3529131 | 18717023.8 | German |
| 3530187 | Hill-Rom Services, Inc.                                       | 15/02/2019 | 3530187 | 19157522.4 |        |
| 3531806 | ZKW Group GmbH                                                | 26/02/2018 | 3531806 | 18158657.9 | German |
| 3533255 | Telefonaktiebolaget LM Ericsson (PUBL)                        | 26/10/2016 | 3533255 | 16797667.9 |        |
| 3535925 | Koninklijke Philips N.V.                                      | 31/10/2017 | 3535925 | 17797894.7 |        |
| 3536636 | Patiño Patiño, Segundo                                        | 07/11/2017 | 3536636 | 17821668.5 |        |
| 3539720 | Tyrolit - Schleifmittelwerke Swarovski K.G.                   | 08/02/2019 | 3539720 | 19156235.4 | German |
| 3540027 | Technische Universität Dresden                                | 12/03/2019 | 3540027 | 19162093.9 | German |
| 3542073 | ARITAS KRIYOJENIK ENDÜSTRI SANAYI VE TICARET ANONIM SİRKETİ   | 05/07/2017 | 3542073 | 17859354.7 |        |
| 3545131 | WIELAND AUSTRIA GES.M.B.H.                                    | 21/11/2017 | 3545131 | 17812251.1 | German |
| 3547487 | NOK9 ip AB                                                    | 21/05/2018 | 3547487 | 18173445.0 |        |
| 3547649 | Wangsu Science & Technology Co., Ltd.                         | 28/02/2018 | 3547649 | 18796356.6 |        |
| 3548303 | Bridgestone Corporation                                       | 24/11/2017 | 3548303 | 17801482.5 |        |
| 3549861 | Bell Helicopter Textron Inc.                                  | 21/06/2018 | 3549861 | 18179179.9 |        |
| 3550945 | King Slide Works Co., Ltd.<br>King Slide Technology Co., Ltd. | 08/10/2018 | 3550945 | 18199083.9 |        |
| 3551898 | Magna PT B.V. & Co. KG                                        | 08/11/2017 | 3551898 | 17797141.3 | German |
| 3553499 | Siemens Aktiengesellschaft                                    | 13/04/2018 | 3553499 | 18167338.5 | German |
| 3554883 | Novem Car Interior Design GmbH                                | 19/02/2019 | 3554883 | 19707728.2 | German |
| 3555862 | Koninklijke Philips N.V.                                      | 12/12/2017 | 3555862 | 17817720.0 |        |
| 3556137 | Telefonaktiebolaget LM Ericsson (PUBL)                        | 16/12/2016 | 3556137 | 16813065.6 |        |
| 3556709 | FASSI GRU S.p.A.                                              | 08/01/2019 | 3556709 | 19150837.3 |        |
| 3558033 | Unilever PLC                                                  | 08/12/2017 | 3558033 | 17811307.2 |        |
| 3558661 | Novem Car Interior Design GmbH                                | 12/03/2019 | 3558661 | 19712916.6 | German |
| 3559560 | Koninklijke Philips N.V.                                      | 25/12/2017 | 3559560 | 17825255.7 |        |
| 3560256 | Telefonaktiebolaget LM Ericsson (publ)                        | 20/12/2016 | 3560256 | 16826316.8 |        |

|         |                                                        |            |         |            |        |
|---------|--------------------------------------------------------|------------|---------|------------|--------|
| 3562124 | Avago Technologies International Sales<br>Pte. Limited | 07/08/2012 | 3562124 | 19153142.5 |        |
| 3564568 | Wenz Kunststoff GmbH & Co. KG                          | 02/05/2018 | 3564568 | 18170463.6 | German |
| 3565857 | Wacker Chemie AG                                       | 15/12/2017 | 3565857 | 17818541.9 | German |
| 3566261 | Audi AG                                                | 01/12/2017 | 3566261 | 17808871.2 | German |
| 3567138 | SiCrystal GmbH                                         | 11/05/2018 | 3567138 | 18171736.4 |        |
| 3567175 | ISO-Chemie GmbH                                        | 07/05/2018 | 3567175 | 19150750.8 | German |
| 3567177 | ISO-Chemie GmbH                                        | 07/05/2018 | 3567177 | 19150763.1 | German |
| 3569967 | Achleitner, Franz                                      | 14/05/2018 | 3569967 | 18172092.1 | German |
| 3579813 | Unilever PLC                                           | 04/01/2018 | 3579813 | 18700060.9 |        |
| 3607095 | Integrated Genetic Lab Services SLU                    | 16/05/2019 | 3607095 | 19723436.2 |        |

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

|           |                                                                                                                                     |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------|
| S20190018 | Storing apparatus for storing an article, and a method for presenting a weigh scales to a person for weighing thereof. JOHN MULLINS |
| S20190019 | Improvement relating to golf cart. DESMOND SHERIDAN                                                                                 |
| S20190033 | An animal feeder. J.F.C. MANUFACTURING CO. LIMITED                                                                                  |

### **Refused - Section 31(1)**

|           |                                                                                                                       |
|-----------|-----------------------------------------------------------------------------------------------------------------------|
| 20180238  | Eyelash applicators, magnetic artificial eyelashes, and methods for using the same. KLISS NAIL PRODUCTS, INC.         |
| S20180358 | Int. Cl. (2020.01) <b>C12M 1/00</b> . Thickener xanthine gum production plant. CHENGDU BO LUO KE TECHNOLOGY CO., LTD. |

### **Deemed to be Withdrawn – Section 31(3)**

|           |                                                                                                        |
|-----------|--------------------------------------------------------------------------------------------------------|
| S20180462 | Int. Cl. (2020.01) <b>B25B 13/00; B25B 23/00; G01L 5/00</b> . A torque wrench. TORQUE TECHNOLOGIES LTD |
|-----------|--------------------------------------------------------------------------------------------------------|

### **Withdrawn – Section 33(1)**

|           |                                                                                                                                                 |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| S20180379 | Int. Cl. (2020.01) <b>G01R 33/20; A61B 5/00</b> . Correction of intensity inhomogeneity in magnetic resonance imaging. KONINKLIJKE PHILIPS N.V. |
| S20190113 | A pharmacy prescription processing system. DAIRE SCANLON                                                                                        |
| 20200027  | Int. Cl. (2020.01) <b>A61B 5/00; A61M 5/00</b> . A peripheral venous access aid. MCAS DESIGN LIMITED                                            |

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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.

**2020010**     ABBVIE INC., 1 North Waukegan Road, North Chicago IL 60064,  
United States of America  
(18 March 2020)  
Patent No: 2506716; NOVEL TRICYCLIC COMPOUNDS  
Product: upadacitinib or a pharmaceutically acceptable salt thereof  
Market Authorisation: Ireland EU/1/19/1404, 18/12/2019  
European Union EU/1/19/1404, 18/12/2019

**2020011**     CIVITAS THERAPEUTICS, INC., 190 Everett Ave. Chelsea, MA  
02150, United States of America  
(18 March 2020)  
Patent No: 3090773; DEVICES AND METHODS FOR  
PUNCTURING A CAPSULE TO RELEASE A POWDERED  
MEDICAMENT THEREFROM  
Product: levodopa in the absence of carbidopa, optionally in  
combination with colfosceril palmitate and/or sodium chloride, as  
protected by the basic patent  
Market Authorisation: Ireland EU/1/19/1390, 23/09/2019  
European Union EU/1/19/1390, 23/09/2019

## 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.

**2015038**     MEDIGENE AG, Lochhamer Strasse 11, 82152 Planegg, Germany  
(03/07/2015)  
Patent No: 1448186; MEDICAMENT FOR THE TREATMENT OF VIRAL  
SKIN AND TUMOUR DISEASES  
Product: Dry extract from *Camellia sinensis*(L.)O. Kuntze folium (green tea leaf)  
corresponding to (-)-epigallocatechin gallate (EGCg)  
Market Authorisation: Ireland PA1748/003/001, 17/04/2015  
Germany 73486.00.00, 31/08/2009

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## **Application for Extension of the Duration of a Supplementary Protection Certificate**

The name and address of the applicant follow the number allocated to the Supplementary Protection Certificate (SPC). The date in brackets following the name and address is the date of receipt of the application for an extension of the duration of the SPC. The Patent number is that under which the product in respect of which an extension of the duration of the SPC is sought is, allegedly, protected. Market authorisation references in respect of the product concerned are also shown, followed by the original date of expiry of the certificate.

**2007029**    MERCK SHARP & DOHME CORP., 126 East Lincoln Avenue Rahway, New Jersey 07065, United States of America  
(22/03/2020)  
Patent No: 1412357; BETA-AMINO TETRAHYDROIMIDAZO(1,2-A)PYRAZINES AND TETRAHYDROTRIAZOLO(4,3-A)PYRAZINES AS DIPEPTIDYL PEPTIDASE INHIBITORS FOR THE TREATMENT OR PREVENTION OF DIABETES  
Product: Sitagliptin, optionally in the form of a pharmaceutically acceptable salt  
Market Authorisation: Ireland EU/1/07/383/001-018, 21/03/2007  
Ireland EU/1/07/383/001-018, 21/03/2007  
Original SPC Expiry Date: 22/03/2022

**2009015**    JANSSEN BIOTECH, INC., 800/850 Ridgeway Drive, Horsham PA 19044, United States of America  
(12/03/2020)  
Patent No: 1309692; ANTI-IL-12 ANTIBODIES, COMPOSITIONS, METHODS AND USES  
Product: Ustekinumab  
Market Authorisation: Ireland EU/1/08/494/001-002, 16/01/2009  
Original SPC Expiry Date: 19/01/2024

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## **Grant of Extension of Duration of a Supplementary Protection Certificate**

The name and address of the grantee follows the number allocated to the granted Supplementary Protection Certificate (SPC). The date in brackets following the name and address is the date of grant of the extension 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 was granted. Market authorisation references in respect of the product concerned are also shown, followed by the new date of expiry of the certificate.

**2008010** MSD ITALIA S.R.L., Via Vitorchiano 151, 00189 Rome, Italy  
(24/01/2020)  
Patent No: 1441735; N-SUBSTITUTED HYDROXYPYRIMIDINONE  
CARBOXAMIDE INHIBITORS OF HIV INTEGRASE  
Product: Raltegravir or a pharmaceutically acceptable salt thereof, especially the  
potassium salt  
Market Authorisation: Ireland EU/1/07/436/001-002, 20/12/2007  
Expiry Date of Extension of SPC: 01/07/2023

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

Restoration Order dated 2<sup>nd</sup> April 2020, was made restoring the Patent mentioned below

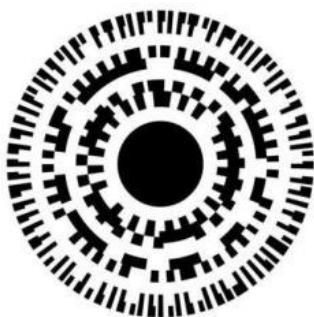
**2971362** William B. Coe  
“PAVEMENT REPAIR SYSTEM AND METHOD”

## Designs Registered Under The Industrial Designs Act, 2001

**23015**      32.00      LOUIS VUITTON MALLETIER, 2 rue du Pont-Neuf, 75001 Paris, France  
Address for service is c/o TOMKINS & CO.  
5 Dartmouth Road, Dublin 6, Ireland

Date of Registration: 18 October 2019.

Ornamentation  
France-19/04/2019



**23016**      21.01      ALLIED IMPORTS LTD., Allied House, 804 Northwest Business Park 3,  
Ballycoolin, Dublin 15, Ireland  
Address for service is c/o ALLIED IMPORTS LTD.  
Allied House, 804 Northwest Business Park 3, Ballycoolin, Dublin 15, Ireland

Date of Registration: 25 November 2019.

A cuddly toy



**23017**

11.01

Lorcan Field, Corbett Court, Williamsgate Street, Galway H91V38X, Ireland  
Address for service is c/o Lorcan Field  
Corbett Court, Williamsgate Street, Galway H91V38X, Ireland

Date of Registration: 24 March 2019.

Ring with textured celtic design

**23018**

11.01

Lorcan Field, Corbett Court, Williamsgate Street, Galway H91V38X, Ireland  
Address for service is c/o Lorcan Field  
Corbett Court, Williamsgate Street, Galway H91V38X, Ireland

Date of Registration: 24 March 2019.

Ring with textured celtic design.



**23019**      11.01      Lorcan Field, Corbett Court, Williamsgate Street, Galway H91V38X, Ireland  
Address for service is c/o Lorcan Field  
Corbett Court, Williamsgate Street, Galway H91V38X, Ireland

Date of Registration: 24 March 2019.

Claddagh ring with celtic hands.



**23020**      11.01      Lorcan Field, Corbett Court, Williamsgate Street, Galway H91V38X, Ireland  
Address for service is c/o Lorcan Field  
Corbett Court, Williamsgate Street, Galway H91V38X, Ireland

Date of Registration: 24 March 2019.

Ring embossed with claddagh pattern and the words mo anam cara.



**23021**

11.01

Lorcan Field, Corbett Court, Williamsgate Street, Galway H91V38X, Ireland  
Address for service is c/o Lorcan Field  
Corbett Court, Williamsgate Street, Galway H91V38X, Ireland

Date of Registration: 24 March 2019.

Claddagh ring.

**23022**

11.01

Lorcan Field, Corbett Court, Williamsgate Street, Galway H91V38X, Ireland  
Address for service is c/o Lorcan Field  
Corbett Court, Williamsgate Street, Galway H91V38X, Ireland

Date of Registration: 24 March 2019.

Stone set claddagh ring with stones in cuff.





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

**Cuid II**  
**Trádmharcanna**

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**No. 2409**

**Wednesday, 15 April, 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.*

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## Official Notice

### **“Office Closure Extended to 5 May 2020” Disruption arising from public health concerns and COVID 19**

*Patents Rules 1992 - Rule 77 and Rule 78*

In accordance with Rules 77 and 78 of the Patents Rules 1992 the Controller hereby gives notice that the Intellectual Property Office of Ireland will remain closed for the transaction of business with the public until 5 May 2020 inclusive. Consequently, the days between 13 March and 5 May are deemed to be "excluded days" for all purposes under the Acts and Rules.

Rule 78 provides that whenever the last day fixed by the Act, or by these Rules, for doing any act or thing at the Office falls on any of the days on which the Office is not open to the public (which days shall be excluded days for the purposes of the Act and these Rules), it shall be lawful to do any such act or thing on the first day which is not an excluded day next following such excluded day, or days, if two or more of them occur consecutively.

Following the introduction of measures aimed at controlling the spread of the COVID 19 virus, IPOI staff working remotely will continue to maintain all of its online and e-services, including e-filing of applications, electronic fee payments and email enquiries during normal working hours, until further notice.

Please note that IPOI staff will not be able to deal with telephone enquiries. From Monday 30 March, all enquiries should be made by email and directed to the following email address until further notice: [ipinfo@ipoi.gov.ie](mailto:ipinfo@ipoi.gov.ie)

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### **Register of Trade Mark Agents Examination in Law & practice of Trade Marks**

In light of recent public health advice regarding Covid-19, a decision has been made to defer the Law & Practice of Trade Marks examination scheduled for 21st April and the Law & Practice of Patents examination scheduled for 22nd April.

It is proposed to re-schedule the examinations in the Autumn. The new examination dates will be advertised along with the deadline for receipt of applications in due course.

### **“Written Statement of the Grounds of a Decision – Open to public inspection**

Trade Mark No. 257681

Decision following opposition”.

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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.

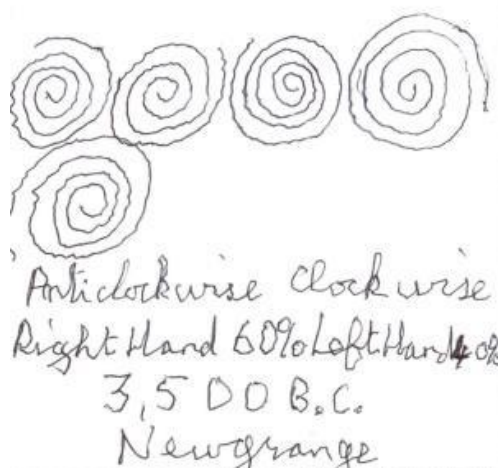
It is desirable before lodging formal opposition that a communication should be addressed to the Applicant affording him an opportunity to withdraw his application for registration. In this way cost of opposition proceedings may be avoided.

### Slainte

**262641** 31 January 2020

Class 29. Crisps; Crisps (Potato -); Vegetable crisps; Potato crisps; Low-fat potato crisps; Potato crisps in the form of snack foods; Roasted peanuts; Peanuts, prepared; Peanut spread; Peanut butter; Coated peanuts; Peanuts, processed; Processed peanuts; Honeyed peanuts; Potato snacks; Dried fruit-based snacks; Fruit snacks; Coconut-based snacks.

John Hegarty, C/O RPM Sports Ltd., Nenagh Road, Thurles, Co. Tipperary E41 Y512, Ireland. Address for service is c/o John Hegarty, c/o Rory McLoughney, RPM Sports Ltd., Nenagh Road, Thurles, Co. Tipperary E41Y512, Ireland.



**262642** 24 January 2020

Class 3. Perfumery, essential oils, cosmetics hair lotions, substances for laundry use.  
 Class 25. Clothing, footwear, headgear.  
 Class 28. Games and playthings, gymnastics and sporting articles, decorations for Christmas trees  
 Class 30. Coffee; cereals, honey, tea, mustard, spices, sauces, bread, pastry, sugar, rice  
 Class 32. Beers; mineral and aerated waters and other non alcoholic drinks, fruit drinks and fruit juices; syrups  
 Class 33. Alcoholic beverages (except beer)

Class 35. Advertising; business management; business administration; office functions

Priority Date Claimed: 27 September 2019 United Kingdom

STUART MARSHALL, Central Mental Hospital, Unit 7, Dundrum, Dublin 14, Ireland. Address for service is c/o STUART MARSHALL, Central Mental Hospital, Unit 7, Dundrum, Dublin 14, Ireland.

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

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**#iamgigable**

**262643** 09 May 2019

Class 9. Mobile apps; Web application software.

Gigable Ltd, Dog Patch Labs, Unit 1 the CHQ building, North Wall Quay, Dublin 1 D01 Y6H7, Ireland. Address for service is c/o William Fry, Solicitors, 2 Grand Canal Square, Dublin 2, D02 A342, Ireland.

The application for registration is proceeding with the consent of the proprietors of Registered Irish Trade Mark No. 260078.



**262644** 18 October 2019

Class 4. Oils and greases; fuel; gasoline, diesel; petrol; petrol ether; lubricants; motor fuel; fuel with alcoholic base; vaporised fuel mixtures; non-chemical additives to motor fuel; fuel gas; fuel oil; diesel oil; fuel alcohol.

Class 35. Retail services relating to food, drink and medicine, tobacco and smoker's articles, maps, spare parts and accessories for vehicles, lubricants and other automotive products, toys games and gifts, cut flowers and live plants, prepacked fuels, cleaning and polishing materials, domestic utensils for household purposes, hand operated hand tools and power tools, garden furniture, sporting articles, clothing, umbrellas, travel goods being disposable goods namely wipes, nappies, cutlery, cups, plates, napkins and tissues, watches, all being services provided by stand alone convenience stores, service station forecourt services and petrol stations.

Class 37. Vehicle service station services; vehicle fueling services; vehicle painting, polishing, lubrication, maintenance, cleaning and repair services; anti-rust treatment for vehicles; vehicle tyre fitting and repair; vehicle washing services; consultancy, advisory and information services for all the above services.

Class 43. Services for providing food and drink all being services

provided at hotel accommodation, stand alone convenient stores, service station forecourt services and petrol stations; hotel services; hotel reservation services, hotel accommodation services; hotel information, hotel catering services; provision of hotel venues for exhibitions, fairs, conferences, lectures and meetings; provision of temporary accommodation; stand alone convenient stores, service station forecourt services and petrol stations; restaurant, cafeteria, bar, snack bar services all being provided at stand alone convenient stores, service station forecourt services and petrol stations.

Priority Date Claimed: 17 October 2019 United Kingdom

Petrogas Brands Ltd, Block 17, Joyce Way, Parkwest, Dublin 12, Ireland. Address for service is c/o Sipara Limited, Rochester House, Eynsham Road, Farmoor, Oxford OX2 9NH, United Kingdom.

The mark in use is/will be in the colour(s) green and white



**262645** 04 October 2019

Class 9. Software; Databases; Computer databases; Interactive databases.

Compass Software Technology Ltd., Killarney Road, Macroom, Co Cork P12VY58, Ireland. Address for service is c/o Compass Software Technology Ltd., Killarney Road, Macroom, Co Cork P12VY58, Ireland.



**262646** 21 October 2019

Class 35. Retail services in relation to food and beverages.

Maxela Limited, Unit 5 Century Business Park, Saint Margarets Road Finglas, Dublin 11, Ireland. Address for service is c/o Maxela Limited, c/o SMK & Co Accounting Limited, Unit 6 Trinity Court, Fonthill Business Park Clondalkin, Dublin 22, Ireland.

## ELECTRONIC YELLOW PAGES

262647 20 November 1997

Class 9. Telecommunications installations, apparatus and instruments; telecommunications goods; data communications goods; computer software recorded on tapes, discs and cards; compact discs; CD-ROMs; video cassettes; audio cassettes; apparatus and instruments for recording, storing, transmission, reception, processing, retrieval, reproduction, manipulation, analysis, display and print-out of sound, images and/or data; computer hardware and firmware; computer software; digital communications apparatus and instruments; magnetic and optical data media, namely magnetic discs, optical discs, floppy discs, magnetic tapes, magnetic cards, optical cards, integrated circuit cards, magnetic data carriers, optical data carriers; data terminals; remote access on-line information apparatus and instruments, all being electronic; computer software and publications in electronic form supplied on-line from databases or from facilities provided on the Internet (including web sites); computer software and telecommunications apparatus (including web sites); computer software and telecommunications apparatus (including modems) to enable connection to databases and to the Internet; computer software to enable searching

of data; computer games and computer games software; video games; games cartridges for use with electronic games apparatus; computer peripheral devices, namely memories, keyboards, electronic pens, mouse, monitors, interfaces; electronic memory cards, electronic cards all for use with communications apparatus and instruments; parts and fittings for all the aforesaid goods.

Class 16. Paper; directory covers made from paper; plastic, cardboard and goods made from the aforesaid materials; printed matter; printed publications; books; booklets, leaflets, brochures and manuals; posters; maps; photographs; tapes and cards, all for the recordal of computer programs and of data; computer programs in printed form; stationery; office requisites; advertising and promotional materials; wrapping and packaging materials; instructional and teaching materials (other than apparatus); web pages downloaded from the Internet in the form of printed matter; advertisements; directories; directory covers; printed matter relating to the preparation of material for computerised advertising; parts and fittings for all the aforesaid goods.

Class 35. Business advisory, consultancy, research and information services; compilation, provision, storage and retrieval of business and commercial information; marketing, promotional and advertising services; data processing and database services; production, preparation and presentation of advertising matter; compilation of business

|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|           | <p>directories, market analysis and research; compilation and transcription of data; preparation of business reports; sales promotion; database management services; electronic database services; interactive database information services; compilation of advertisements for use as web pages; business information, advertising and promotional services provided on-line from a computer database or by means of web pages on the Internet; compilation and systemization of information into computer databases; business promotion services, all provided by telephone, facsimile or audio-visual means; publicity services; the provision of services relating to the processing, recording, and retrieval of data; database, on-line and Internet information, advisory and consultancy services all relating to the aforesaid services.</p> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Class 38. | Telecommunications services; the provision of services relating to the transmission of data and to the electronic display of data.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Class 41. | <p>Information and advisory services relating to education, training, entertainment, sport, recreation, theatre, television, the weather, music, restaurants, news and publishing; publishing services; publication of electronic directories; electronic game services and competitions provided by means of the Internet; publication of books, directories, guides, maps, magazines, manuals and printed matter; education, training, instruction and study services all relating to business, commerce, marketing and telecommunications;</p>                                                                                                                                                                                                                                                                                                     | <p>arranging, conducting and organising seminars and educational, recreational and instructional conventions, conferences, congresses, exhibitions and demonstrations; entertainment services; database, on-line and Internet information, advisory and consultancy services; interactive database information services; electronic database services; news programme services; information relating to entertainment, education, training, sport, recreation, news and publishing provided on-line from computer databases or web sites on the Internet; reservation, booking and ticketing services all included in Class 41.</p> <p>Class 42. Compilation, storage, analysis, retrieval and provision of information; providing access to and leasing access time to computer databases and to on-line computer services; database, on-line and Internet information, advisory and consultancy services; interactive database information services; electronic database services; writing, development, updating and design of computer software; design, drawing and commissioned writing, all for the compilation of web pages on the Internet; information and advisory services relating to the weather and restaurants; provision of information on-line from a computer database or provided from facilities on the Internet; the provision of services relating to the receipt and storage of data; information and advisory services, all relating to the aforesaid services.</p> |

Priority Date Claimed: 20 May 1997 United Kingdom

YELL LIMITED, 3 Forbury Place, Forbury Road, Reading, Berkshire, RG1 3YL, United Kingdom. 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.

This application for registration is proceeding with the consent of the applicants of pending Irish Trade Mark No.'s 1996/02991, 1996/02992 and 1996/02994.



**262648** 08 January 2019

- Class 21. Dishes; cups; plastic dishes and cups; reusable dishes.
- Class 35. Rental of vending machines for empties; arrangements of contracts for third parties on retail of (return) vending machines for empties; retail services relating to dishes; wholesale services relating to dishes; retail services and rental of reusable and sustainable products via an online shop.
- Class 43. Services for providing food and drink; service and catering at coffee shops, cafeterias, restaurants, staff canteens, bars, snack-bars, self-service restaurants; catering; event catering; catering services for events; rental of dishes.

reCup GmbH, Hofmannstraße 52, 81379 Munich, Germany. Address for service is c/o Fleuchaus & Gallo Partnerschaft mbB Patentanwälte, Steinerstraße 15/A, 81369 München, Germany.

## ELAND

**262649** 03 February 2020

- Class 1. Chemicals used in agriculture, horticulture and forestry, especially plant fortifying preparations, chemical or biological preparations for stress management in plants, plant growth regulating preparations, chemical preparations for the treatment of seeds, genes of seeds for agricultural production.
- Class 5. Preparations for destroying and combating vermin; insecticides, fungicides, herbicides, pesticides.

BASF SE, Carl-Bosch-Strasse 38, Ludwigshafen am Rhein, Germany. Address for service is c/o FRKelly, 27 Clyde Road, Ballsbridge, Dublin 4, Ireland.



THE MANIC LINK  
 MANIC DEPRESSION  
 CULTURE  
 CREATIVITY  
 HYPOMANIA  
 CAPITALISM  
 ADVERTISING  
 SEX  
 HUMOUR  
 PARANOIA  
 AND  
 CHAOS

**262650** 03 February 2020

- Class 16. Printed matter; photographs instructional and teaching material
- Class 28. Games and playthings; gymnastics and sporting articles

STUART MARSHALL, C. M. Hospital, Unit 7, Dundrum, Dublin 14, Ireland. Address for service is c/o STUART MARSHALL, C. M. Hospital, Unit 7, Dundrum, Dublin 14, Ireland.

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



**262651** 16 November 2018

- Class 9. Compact discs, DVDs and other digital recording media; computer software; electronic publications, namely,

newsletters, brochures, reports and guides pertaining to cannabidiol.

- Class 21. Household or kitchen utensils and containers; cookware and tableware, except forks, knives and spoons; combs and sponges; brushes, except paintbrushes; brush-making materials; glassware, porcelain and earthenware; jars.

- Class 32. Beers; mineral and aerated waters and other non-alcoholic beverages; fruit beverages and fruit juices; syrups and other preparations for making beverages; smoothies, fruit beverages and fruit juices, carbonated soft drinks, and energy drinks each containing cannabidiol; smoothies, fruit beverages and fruit juices, carbonated soft drinks, and energy drinks each containing resins and oils containing cannabidiol.

- Class 34. Tobacco; smokers' articles; matches; resins and oils made, derived or extracted from cannabis plants containing cannabidiol for smoking; smokers' articles, namely, smoking pipes, pouches, lighters for smokers, grinders, oral vaporizers for smokers.

- Class 42. Scientific and technological services and research and design relating thereto; industrial analysis and research services; research services pertaining to cannabidiol, products containing cannabidiol and natural health products containing cannabidiol.

- Class 44. Medical services; veterinary services; hygienic and beauty care for human beings or animals; agriculture, horticulture and forestry services; providing the breeding, growing, cultivation, harvesting and production of plants, seeds

- and seedlings containing cannabidiol.
- Class 45. Online social networking services for registered users to participate in discussions, get feedback from their peers, from virtual communities, and engage in social networking pertaining to cannabidiol.

Priority Date Claimed: 01 August 2018 Canada

APHRIA INC., 265 Talbot Street West, Leamington, Ontario N8H 4H3, Canada. Address for service is c/o TOMKINS & CO., 5 Dartmouth Road, Dublin 6, Ireland.

## LUNEX DISCREET

**262652** 31 October 2019

- Class 5. Feminine hygiene products; sanitary wear; tampons; panty liners; sanitary briefs; sanitary pads; incontinence pads, pants, liners and napkins.

Aldi Stores (Ireland) Limited, 67-68 Fitzwilliam Square, Dublin 2, 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 proprietors of Registered European Union Trade Mark number 12932307

## Azios

**262653** 29 January 2020

- Class 28. Tennis rackets; Tennis racquets; Rackets [for tennis]; Platform tennis paddles; Table tennis paddles; Games; playthings; Sporting articles; video game apparatus; golf clubs; rackets; racquets; Sports equipment.

Azios Limited, Nenagh Road, Thurles E41 Y512, Ireland. Address for service is c/o Azios Limited, C/o Rory McLoughney, RPM Sports, Nenagh Road, Thurles, Co Tipperary E41 Y512, Ireland.

## EVOQUENT

**262654** 03 February 2020

- Class 35. Business appraisal consultancy; Business marketing consultancy; Business consultancy to individuals; Professional business consultancy; Business management consultancy; Business planning consultancy; Marketing assistance; Product marketing; Promotional marketing; Marketing services; Brand positioning; Brand evaluation services; Brand strategy services; Brand creation services; Advertising services to create corporate and brand identity.
- Class 41. Adult education services relating to intellectual property; Publication of printed matter relating to

- intellectual property rights; Training; Business mentoring services.
- Class 42. Design of trade marks; Brand design services.
- Class 45. Intellectual property consultancy; Intellectual property services; Intellectual property agency services; Licensing of intellectual property rights; Enforcement of intellectual property rights; Intellectual property watching services; Advisory services relating to intellectual property licensing; Advisory services relating to intellectual property rights; Monitoring intellectual property rights for legal advisory purposes; Professional advisory services relating to intellectual property rights; Providing information in the field of intellectual property; Legal services relating to the negotiation and drafting of contracts relating to intellectual property rights.

SCE2Aux Consulting Limited, 8 Holywell Grove, Sea Road, Kilcoole, Co. Wicklow A63 RF85, Ireland. Address for service is c/o Mary White, 8 Holywell Grove, Sea Road, Kilcoole, Co. Wicklow A63 RF85, Ireland.

## GLANDEX

**262655** 30 January 2020

- Class 5. Pharmaceutical products, chemical preparations for medicinal purposes, chemical preparations for pharmaceutical purposes, hormones for medical purposes, capsules for

pharmaceutical purposes, medicines for human purposes, pills for pharmaceutical purposes, pills for pharmaceutical use, analgesics, anticancer preparations, antineoplastic agents, medicines containing inhibitors, drugs reducing estrogen, drugs used to treat hormone-dependent cancers, medicines containing of aromatase inhibitors, drugs regulating levels of hormones, drugs used for postmenopausal women.

HASCO TM SPÓŁKA Z OGRANICZONA ODPOWIEDZIALNOSCIA SPÓŁKA KOMANDYTOWA, ul. Zmigrodzka 242 E, 51-131, Wrocław, Poland. 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.

## FUBA

**262656** 03 February 2020

- Class 33. Alcoholic beverages, except beer; pre-mixed alcoholic beverages, other than beer-based; liqueurs; spirits [beverages]; wines.

Intrepid Spirits Limited, 25 Merrion Square, Dublin 2, Ireland. Address for service is c/o FRKelly, 27 Clyde Road, Ballsbridge, Dublin 4, Ireland.

1.1:



2.1:



3.1:



4.1:



5.1:



Application is for a Series of 5 Trade Marks.

**262657** 30 January 2020

- Class 3. Cosmetics; Cosmetic powder; Kits (Cosmetic -); Eyebrow cosmetics; Eyebrow powder; Skincare cosmetics; Moisturiser; Cosmetic moisturisers.
- Class 8. Hand-operated apparatus for the cosmetic care of eyebrows.
- Class 18. Make-up bags; Make-up cases.
- Class 21. Cosmetic utensils; Cosmetics applicators; Cosmetics brushes; Cosmetic powder compacts; Racks for cosmetics; Eyebrow brushes.
- Class 35. Online retail store services relating to cosmetic and beauty products; Retail services in relation to beauty implements for humans; Wholesale services in relation to beauty implements for humans; Retail and Wholesale of Beauty Products for Humans.

Blinks N Brows, Conway House, 35 South Terrace, Cork, Ireland. Address for service is c/o Claire O Sullivan Greene, De Burca Solicitors, 16 South Bank, Crosses Green, Cork T12 Y5CR, Ireland.

The mark in use is/will be in the colour(s) Black, White, Pink, Silver, Grey

1.1:



2.1:



Application is for a Series of 2 Trade Marks.

**262658** 04 April 2019

- Class 36. Liquidation and receivership services, namely, debt recovery services; repossession services; bailiff services (debt collection); peaceful repossession services; asset recovery services; debt recovery services; commercial rent arrears recovery services; county council arrears recovery services; private rent arrears recovery services; commercial debt recovery services.

Class 45. Legal enforcement services.

BLACKWATER BAILIFF & ASSET MANAGEMENT SERVICES LIMITED, 77 Sir John Rogerson's Quay, Block C, Grand Canal Docklands, Dublin 2, 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 second mark, in the series, in use is/will be in the colour(s) navy and grey

## BLUE SPOT

**262659** 05 February 2020

Class 33. Alcoholic beverages, except beers.

Irish Distillers Limited, Simmonscourt House, Simmonscourt Road, Ballsbridge, Dublin 4, Ireland. Address for service is c/o TOMKINS & CO., 5 Dartmouth Road, Dublin 6, Ireland.

## DUBLIN BUSINESS SCHOOL

**262660** 11 April 2019

- Class 9. Books, publications, magazines, journals, and periodicals, recorded on discs, tapes, compact discs, CD-ROMS, DVD's and other electronic media; electronic publications; on-line publications; interactive software; multimedia software; downloadable publications in electronically readable form.
- Class 16. Printed matter; printed publications; instructional and teaching materials; pens, pencils, stationery; artists and writing implements and materials; greetings cards and postcards; decalcomania; boxes, bags and containers made of paper or cardboard.
- Class 41. Educational and training services; teaching, tuition, training and instructional services; provision of courses and instructional services; provision of courses and

instruction; provision of correspondence courses; educational examination services; arranging and conducting educational conferences, conventions, lectures, exhibitions, day schools, workshops and seminars.

Kaplan, Inc., 750 Third Ave., New York, New York 10017, United States of America. Address for service is c/o TOMKINS & CO., 5 Dartmouth Road, Dublin 6, Ireland.

The application for registration is proceeding on the basis of the mark having acquired distinctiveness through use.

## SUMMERLICIOUS

**262661** 03 February 2020

Class 32. Non-alcoholic beverages and preparations for making beverages; waters; flavoured waters; vegetable juices (beverages); fruit beverages (non-alcoholic); fruit drinks and fruit juices; fruit flavoured drinks; fruit and/or herbal based beverages; fruit nectars; energy drinks; apéritifs, non-alcoholic; non-alcoholic cocktails; cordials (non-alcoholic beverages); squashes (non-alcoholic beverages); dilutable preparations for beverages; carbonated non-alcoholic drinks; syrups and concentrates for beverages; slush drinks; tablets, powders, pastilles and/or other preparations for making effervescent non-alcoholic

drinks; sodas; sherbets (beverages).

Robinsons Soft Drinks Limited, Breakspear Park, Breakspear Way, Hemel Hempstead HP2 4TZ, United Kingdom. Address for service is c/o Lewis Silkin Ireland, 26 Lower Baggot Street, Dublin D02 P211, United Kingdom.

1.1:



2.1:



Application is for a Series of 2 Trade Marks.

**262662** 05 February 2020

Class 29. Vegetable and vegan based meat and poultry substitutes; plant-based meat and poultry substitutes; preserved, dried and cooked fruits and vegetables; vegetarian and vegan sausages, meatballs, mince and pate; vegetarian and vegan burgers; vegetarian and vegan bacon; vegetarian and vegan ham; vegetarian and vegan salami; vegetarian and vegan pepperoni; vegetable and vegan protein

for use as a meat or poultry substitute; Vegan meat; Tofu.

Lynn's Country Foods Limited, Gatelodge Cottage, 29 Killyleagh Road, Downpatrick BT30 9BL, Northern Ireland, United Kingdom. Address for service is c/o FRKelly, 27 Clyde Road, Ballsbridge, Dublin 4, Ireland.

vegetable and vegan protein for use as a meat or poultry substitute; Vegan meat; Tofu.

Lynn's Country Foods Limited, Gatelodge Cottage, 29 Killyleagh Road, Downpatrick BT30 9BL, Northern Ireland, United Kingdom. Address for service is c/o FRKelly, 27 Clyde Road, Ballsbridge, Dublin 4, Ireland.

1.1:



2.1:



Application is for a Series of 2 Trade Marks.

**262663** 05 February 2020

Class 29. Vegetable and vegan based meat and poultry substitutes; plant-based meat and poultry substitutes; preserved, dried and cooked fruits and vegetables; vegetarian and vegan sausages, meatballs, mince and pate; vegetarian and vegan burgers; vegetarian and vegan bacon; vegetarian and vegan ham; vegetarian and vegan salami; vegetarian and vegan pepperoni;



**262664** 04 November 2019

Class 9. Electronic publications (downloadable); Instruction manuals in electronic format

Class 16. Printed lectures; Periodicals; Instructional manuals for teaching purposes; Journals; Handbooks [manuals]; Manuals for instructional purposes; Teaching manuals; Instructional manuals; Manuals; Prospectuses; Pens; Note books; Copybooks; Notebooks; Notebook dividers; Writing pads; Pencils; Stationery

Class 41. Organising of educational conferences; Higher education services; Educational instruction; Organising of educational seminars; Training; Preparation of educational courses and examinations; Arranging and conducting of lectures for training purposes; Organising of educational lectures; training courses; Education; Teaching; Planning of lectures for educational purposes;



Arranging and conducting of lectures; Seminars; Correspondence courses, distance learning; Developing educational manuals; Production of course material distributed at professional lectures; Publication of training manuals; Arranging and conducting of lectures for educational purposes; Publication of manuals

Class 42. Hosting web portals

Class 44. Psychological counseling of staff; Provision of information relating to psychology; Psychological counseling; Consultancy relating to integral psychology; Occupational psychology services; Holistic psychotherapy; Psychotherapy services

IICP EDUCATION AND TRAINING LIMITED,  
Killinarden Enterprise Park, Killinarden, Dublin, D24,  
Ireland. Address for service is c/o EILEEN  
O'GORMAN, C/O GLEESON MCGRATH  
BALDWIN, 29 Anglesea Street, Dublin 2, Ireland.

## Nutri Nua

**262665** 03 February 2020

Class 5. Nutritional supplements; Dietary supplements; Dietary food supplements; Vitamins and vitamin preparations; Vitamin supplements; Mineral supplements; Mineral nutritional supplements.

Wholefoods Wholesale Ltd, Unit 3 Kylemore  
Industrial Estate, Killeen Rd, Dublin 10, Ireland.  
Address for service is c/o FRKelly, 27 Clyde Road,  
Ballsbridge, Dublin 4, Ireland.

## RAY COOKE

**262666** 03 February 2020

Class 35. Advertising and marketing services; real estate marketing; advertising of services relating to real estate transactions; auctioneering services; auctioneering of property; business management services, namely management services relating to real estate and the advertising of property information and property for sale or for let; business management and administration services; office functions; information and consultancy services relating to the aforesaid.

Class 36. Property management; residential, commercial, office, retail and industrial property management; financial services; insurance services; insurance broking; mortgage services; mortgage broking; real estate services, property brokerage services, property investment and management services; commercial property investment services; administration of property portfolios; arranging finance for real estate purchase; property leasing services; provision of information relating to the availability of real estate; real estate valuation services; information and consultancy services relating to the aforesaid.

RAY COOKE AUCTIONEERS LIMITED, 3 Main  
Street, Clondalkin, Dublin 22, Ireland. Address for  
service is c/o FRKelly, 27 Clyde Road, Ballsbridge,  
Dublin 4, Ireland.



# Mrs Glam

**262667** 27 January 2020

Class 3. Cosmetics; make-up; skin, nail and eye care preparations; eye make-up; eye shadows; eyebrow make-up; eyebrow pencils; eye liners; cheek colouring; blush; rouge; lip balm; lipstick; lip gloss; false eyelashes; facial make-up; foundation; face powder; make-up setting sprays; make-up priming cream; multi functional make-up; skin care preparations; toiletries; essential oils; hair care preparations; body care preparations; perfumery; tanning preparations; self-tanning lotions; self-tanning oils; self-tanning mousse; self-tanning gels; sun care products; suntan lotions; suntan oils; suntan creams; suntan gels, sun block lotions, sun block oils, sun block creams, sun block gels; beauty masks; cotton wool for cosmetic purposes; cosmetic kits; adhesives for cosmetic purposes; false nails; nail art stickers.

Class 21. Cosmetic and toilet utensils; cosmetic applicators; applicators for applying tanning preparations; applicator sticks for applying make-up; mitts for applying tanning preparations; exfoliating mitts; exfoliating pads; cosmetic brushes; make-up brushes; make-up sponges; hair brushes; facial cleansing sponges; facial sponges for applying make-up; cosmetic cases sold filled with cosmetic brushes; parts and fittings for the aforesaid goods.

Priority Date Claimed: 21 January 2020 United Kingdom

BPERFECT LTD, Unit 1 Filor Building, 155 Northumberland Street, Belfast, United Kingdom. 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.

The mark in use is/will be in the colours black and white.

## Cheesatees

**262668** 31 January 2020

Class 29. Extruded and pelletised and otherwise manufactured or processed vegetable and processed potato products; Roasted, dried, salted, spiced, coated and processed nuts, cashew kernels, pistachios, almonds, peanuts, coconuts (dried); Preserved, dried and cooked fruits and vegetables; Seaweed extracts for food; Processed edible seaweed; crystallized ginger; Peanut butter.

Class 30. Extruded and pelletised and otherwise manufactured or processed tapioca, manioc, rice, maize, wheat or other cereal products, and ginger products, being confectionery and fruit jellies; Savoury biscuits and pretzels; Muesli bars, mainly consisting of nuts, dried fruits, processed cereal grains; Chocolate and chocolate products; Sauces.

Class 31. Unprocessed nuts, cashew kernels, pistachios, almonds, peanuts and seeds; Fresh

seaweed for human consumption.

Intersnack Group GmbH & Co. KG, Peter-Müller-Straße 3, 40468 Düsseldorf, Germany. 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 proprietors of Irish Trade Mark Registration Number 107225.

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**24sata.ie**

**262669** 05 February 2020

Class 41. Online publication of electronic newspapers.

Sandra Topic, 72 King Street, Wexford, Y35 P2D6, Ireland. Address for service is c/o Sandra Topic, 72 King Street, Wexford, Y35 P2D6, Ireland.

The mark in use is/will be in the colour(s) Orange, Red, White



**262670** 06 February 2020

Class 3. Cosmetics.

Class 26. Wigs.

Iwinosa Imasuen, 9 Mac Uilliam Avenue, Fortunestown Lane, Tallaght, Dublin 24 D24 A252, Ireland. Address for service is c/o Iwinosa Imasuen, 9 Mac Uilliam Avenue, Fortunestown Lane, Tallaght, Dublin 24 D24 A252, Ireland.

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**SOLEI**

**262671** 16 November 2018

Class 9. Compact discs, DVDs and other digital recording media; computer software; electronic publications, namely, newsletters, brochures, reports and guides pertaining to cannabidiol.

Class 21. Household or kitchen utensils and containers; cookware and tableware, except forks, knives and spoons; combs and sponges; brushes, except paintbrushes; brush-making materials; glassware, porcelain and earthenware; jars.

Class 32. Beers; mineral and aerated waters and other non-alcoholic beverages; fruit beverages and fruit juices; syrups and other preparations for making beverages; smoothies, fruit beverages and fruit juices, carbonated soft drinks, and energy drinks each containing cannabidiol; smoothies, fruit beverages and fruit juices, carbonated soft drinks, and energy drinks each containing resins and oils containing cannabidiol.

Class 34. Resins and oils made, derived or extracted from cannabis plants containing cannabidiol for smoking; smokers' articles,

- namely, smoking pipes, pouches, matches, lighters for smokers, grinders, oral vaporizers for smoking cannabidiol, hemp and derivatives thereof; none of the aforesaid consisting of or containing tobacco.
- Class 39. Transport; packaging and storage of goods; travel arrangement; packaging of products containing cannabidiol and natural health products containing cannabidiol; distribution of cosmetics and toiletries containing cannabidiol, foodstuffs and beverages containing cannabidiol, pharmaceuticals, medical and veterinary preparations containing cannabidiol, sanitary preparations containing cannabidiol, dietetic food and substances containing cannabidiol adapted for medical or veterinary use, food containing cannabidiol for humans and animals, dietary supplements containing cannabidiol for humans animals, plasters and materials for dressings containing cannabidiol, non-medicated cosmetics and toiletry preparations containing cannabidiol and natural health products containing cannabidiol.
- Class 42. Scientific and technological services and research and design relating thereto; industrial analysis and research services; research services pertaining to cannabidiol, products containing cannabidiol and natural health products containing cannabidiol.
- Class 44. Medical services; veterinary services; hygienic and beauty care for human beings or animals; agriculture, horticulture and forestry services; providing the

breeding, growing, cultivation, harvesting and production of plants, seeds and seedlings containing cannabidiol.

- Class 45. Online social networking services for registered users to participate in discussions, get feedback from their peers, from virtual communities, and engage in social networking pertaining to cannabidiol.

APHRIA INC., 265 Talbot Street West, Leamington, Ontario N8H 4H3, Canada. Address for service is c/o TOMKINS & CO., 5 Dartmouth Road, Dublin 6, Ireland.

## YELLOW PAGES

**262672** 30 December 1997

- Class 9. Telecommunications goods; data communications goods; compact discs; CD-ROMs; video cassettes; audio cassettes; apparatus and instruments for recording, transmission, reception, processing, retrieval, reproduction, manipulation, analysis, display and print-out of sound, images and/or data; computer hardware and firmware; computer software; digital communications apparatus and instruments; magnetic and optical data media, namely magnetic discs, optical discs, floppy discs, magnetic tapes, magnetic cards, optical cards, integrated circuit cards, magnetic data carriers, optical data carriers; data terminals; remote access on-line information apparatus and

- instruments, all being electronic; computer software and publications in electronic form supplied on-line from databases or from facilities provided on the Internet (including web sites); computer software to enable searching of data; computer games and computer games software; video games; computer peripheral devices, namely memories, keyboards, electronic pens, mouse, monitors, interfaces; electronic memory cards and electronic cards all for use with communications apparatus and instruments; parts and fittings for all the aforesaid goods.
- Class 16. Paper, plastic, cardboard and goods made from the aforesaid materials; printed matter; printed publications; books; booklets, leaflets, brochures and manuals; posters; maps; photographs; tapes and cards, all for the recordal of computer programs and of data; computer programs in printed form; stationery; office requisites; advertising and promotional materials; wrapping and packaging materials; instructional and teaching materials, (other than apparatus); web pages downloaded from the Internet in the form of printed matter; advertisements; directories; directory covers; parts and fittings for all the aforesaid goods.
- Class 35. Business advisory, consultancy, research and information services; compilation, provision, storage and retrieval of business and commercial information; marketing, promotional and advertising services; data processing and database services; production, preparation and presentation of advertising matter; compilation of business directories, market analysis and research; compilation and transcription of data; preparation of business reports; sales promotion; database management services; interactive database information services; compilation of advertisements for use as web pages; business information, advertising and promotional services provided on-line from a computer database or by means of web pages on the Internet; the provision of services relating to the processing, recording, and retrieval of data; database, on-line and Internet information, advisory and consultancy services all relating to the aforesaid services.
- Class 38. Telecommunications services; digital communications services; services for the collection, transmission, processing and storage of messages and data; remote data access services; electronic data interchange services; telecommunication of information (including web pages), computer programs and any other data; electronic mail services; provision of telecommunication access and links to computer databases and to the Internet; data communications services; communication by computer terminals; services for the transmission, provision or display of information for business or domestic purposes from a computer-stored data bank or via the Internet; on-line information services; the provision of services relating to the transmission of data and to the electronic display of data.
- Class 39. Database, on-line and Internet information, advisory and

|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|           | <p>consultancy services;<br/>interactive database<br/>information services;<br/>provision of information<br/>relating to travel and<br/>transport; tourist information<br/>services; booking of seats for<br/>travel.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <p>database, on-line and Internet<br/>information, advisory and<br/>consultancy services;<br/>interactive database<br/>information services;<br/>electronic database services;<br/>writing, development,<br/>updating and design of<br/>computer software; design,<br/>drawing and commissioned<br/>writing, all for the<br/>compilation of web pages on<br/>the Internet; information and<br/>advisory services relating to<br/>the weather and restaurants;<br/>provision of information on-<br/>line from a computer database<br/>or provided from facilities on<br/>the Internet; the provision of<br/>services relating to the receipt<br/>and storage of data;<br/>information and advisory<br/>services, all relating to the<br/>aforesaid services.</p> |
| Class 41. | <p>Information and advisory<br/>services relating to education,<br/>training, entertainment, sport,<br/>recreation, theatre, television,<br/>music, news and publishing;<br/>publishing services; electronic<br/>game services and<br/>competitions provided by<br/>means of the Internet;<br/>publication of books,<br/>directories, guides, maps,<br/>magazines, manuals and<br/>printed matter; education,<br/>training, instruction and study<br/>services, all relating to<br/>business, commerce,<br/>marketing and<br/>telecommunications;<br/>arranging, conducting and<br/>organising seminars and<br/>educational, recreational and<br/>instructional conventions,<br/>conferences, congresses,<br/>exhibitions and<br/>demonstrations; database, on-<br/>line and Internet information,<br/>advisory and consultancy<br/>services; interactive database<br/>information services;<br/>preparation of reports relating<br/>to publishing services; news<br/>programme services;<br/>information relating to<br/>entertainment, education,<br/>training, sport, recreation,<br/>news and publishing provided<br/>on-line from computer<br/>databases or web sites on the<br/>Internet; reservation, booking<br/>and ticketing services; all<br/>included in Class 41.</p> | <p>YELL LIMITED, 3 Forbury Place, Forbury Road,<br/>Reading, Berkshire, RG1 3YL, United Kingdom.<br/>Address for service is c/o MACLACHLAN &amp;<br/>DONALDSON (IRELAND) LIMITED, trading as<br/>MACLACHLAN &amp; DONALDSON, Unit 10, 4075<br/>Kingswood Road, Citywest Business Campus, Dublin<br/>24 D24 C56E, Ireland.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Class 42. | <p>Compilation, storage,<br/>analysis, retrieval and<br/>provision of information;<br/>providing access to and<br/>leasing access time to<br/>computer databases and to on-<br/>line computer services;</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <p>This application for registration is proceeding with the<br/>consent of the applicants of pending Irish Trade Mark<br/>No.'s 1996/02990, 1996/02991, 1996/02992,<br/>1996/02993, 1996/02994 and 1996/02995</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |



**262673** 07 February 2020

Class 9. Software; Communications software; Communication software.

TIC (BRUGGER) Ltd, The Rock, Kinsale, Co. Cork, Ireland. Address for service is c/o TIC (BRUGGER) Ltd, The Rock, Kinsale, Co. Cork, Ireland.

1.1:

2.1:

Application is for a Series of 2 Trade Marks.

**262674** 07 February 2020

Class 35. Providing online marketplaces for sellers of goods and or

services; Provision of an online marketplace for buyers and sellers of goods and services; Provision of an on-line marketplace for buyers and sellers of goods and services.

Class 41. Arranging of workshops; Conducting workshops [training]; Arranging and conducting workshops; Workshops for training purposes; Workshops for cultural purposes; Workshops for recreational purposes; Workshops for educational purposes; Conducting courses, seminars and workshops; Arranging and conducting of workshops; Arranging of workshops and seminars; Arranging and conducting of training workshops; Workshops (Arranging and conducting of -) [training]; Arranging and conducting of workshops [training]; Arranging, conducting and organisation of workshops; Conducting workshops [training] relating to engine maintenance; Conducting workshops [training] relating to engine repair; Conducting workshops and seminars in self awareness; Conducting workshops and seminars in personal awareness; Educational services providing workshops in property taxation; Educational services providing workshops in land policy; Conducting workshops and seminars in art appreciation; Arranging and conducting of workshops and seminars; Arranging and conducting of seminars and workshops; Conducting workshops [training] relating to power boat repair; Conducting workshops [training] relating to automotive engine repair; Conducting of workshops and seminars in art appreciation;

Conducting workshops [training] relating to power boat maintenance; Conducting workshops [training] relating to automotive engine maintenance; Conducting educational workshops in the field of business; Arranging and conducting of workshops and seminars in self-awareness; Consultancy and information services relating to arranging, conducting and organisation of workshops; Teaching services; Teaching; Teaching of petcare; Teaching of languages; Language teaching services; Arranging teaching programmes; Teaching of needlework; Language teaching; Teaching of swimming; Teaching of music; Teaching of pet care; Computer assisted teaching services; Teaching of foreign languages; Teaching of diet education; Teaching of meditation practices; Education, teaching and training; Services for teaching languages; Medical training and teaching; Organisation of teaching activities; Teaching of interior design; Publication of educational teaching materials; Services for arranging teaching programmes; Educational services for teaching acting; Teaching services for communication skills; Education academy services for teaching languages; Education academy services for teaching acting; Teaching assessments for counteracting learning difficulties; Teaching services relating to pedagogy techniques; Educational services for teaching transcription techniques; Educational services for teaching keyboard writing; Educational services for teaching manual writing; Teaching services relating to

business assistance; Providing of training, teaching and tuition; Teaching and training in business, industry and information technology; Ticket reservation and booking services for education, entertainment and sports activities and events.

Bitesize, Lacklea, Barna, Co. Galway H91 EWV0, Ireland. Address for service is c/o Keith Farrell, Lacklea, Barna, Co. Galway H91 EWV0, Ireland.

The mark in use is/will be in the colour(s) Purple/Maroon (R114 G20 B70), Pink (R235 G0 B139), Black, Grey, White, Cyan, Blue, Green

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## Strictly Structural

**262675** 07 February 2020

Class 42. Analysis of the structural behaviour of buildings.

Peter Sweeney, 5 Bell Heights, Kenmare, Co. Kerry, Ireland. Address for service is c/o Peter Sweeney, 5 Bell Heights, Kenmare, Co. Kerry, Ireland.



**262676** 07 February 2020

Class 5. Pharmaceutical preparations for the treatment of cancer

and auto-immune diseases; pharmaceutical preparations for the treatment of lymphoma; pharmaceutical preparations for inhibiting cytokine production; pharmaceutical preparations that modulate the immune system; pharmaceutical preparations, namely, preparations for use in the treatment of tumors; pharmaceutical and biological preparations for immunotherapy, including T Cell therapy; cells for medical or clinical use; diagnostic kits consisting primarily of cells for medical or clinical use.

Priority Date Claimed: 07 August 2019 United States of America

JUNO THERAPEUTICS, INC., 400 DEXTER AVENUE NORTH SUITE 1200, SEATTLE WASHINGTON 98109, United States of America. Address for service is c/o FRKelly, 27 Clyde Road, Ballsbridge, Dublin 4, Ireland.

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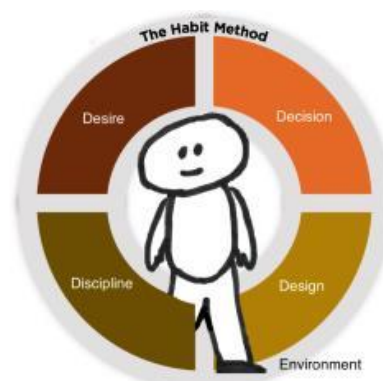
**CANLON**

**262677** 25 September 2019

- Class 2. Dyes; Paints; Coatings [paints]; Waterproof paints; Anti-corrosive preparations; Mastic [natural resin]; Pigments; Lacquers; Epoxy coating for concrete floors; Coating preparations having water repellent properties [paint]; Waterproof powdered paints.
- Class 19. Coatings [building materials]; Refractory construction materials, not of metal; Asphalt roofing felt; Building

materials, not of metal; Bituminous products for building; Felt for building; Polymeric bitumen emulsion for waterproofing buildings; Construction mortar; Cement; Binding material for road repair; Waterproof roll material, namely, bituminous products in the form of membranes for waterproofing; Asphalt-based composite; Polymeric bitumen emulsion for waterproofing buildings.

Jiangsu Canlon Building Materials Co., Ltd., No.8, Hengtong Rd., Qidu Town, Wujiang Dist., 215234 Suzhou City, China. Address for service is c/o Mark Sorenti, 132 Cheyneys Avenue, Edgware HA8 6SE, United Kingdom.



**262678** 07 February 2020

- Class 41. Coaching; Coaching [training]; Life coaching (training); Personal coaching [training]; Training or education services in the field of life coaching; 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.

## Ballincastle Property Services

**262681** 27 January 2020

- Class 35. Advertising services relating to real property.
- Class 36. Property management; Property leasing [real estate property only]; Property management services; Management of property; Property portfolio management; Real property management; Property valuation; Arranging leases for the rental of property; Appraisal of personal property for others; Agency services for the selling on commission of real property; Agency services for the leasing of real estate property; Leasing of property; Real property letting; Rental of property; Valuation of property; Domestic property finding services; Administration of property portfolios; Property asset management services; Real estate property management; Commercial property investment services; Property (real estate -) appraisal [financial]; Valuation of real estate property; Accommodation bureaux (real estate property); Leasing of real estate property.
- Class 37. Property maintenance; Renovation of property; Advisory services relating to

- the renovation of property; Cleaning of property.
- Class 43. Accommodation booking agency services [time share]; Accommodation bureau services [hotels, boarding houses]; Accommodation reservations (Temporary -).

Ballincastle Property Services Limited, Block 8, The Grove, Clarion Road, Sligo, F91 A2FP, Ireland. Address for service is c/o Ballincastle Property Services Limited, Block 8, The Grove, Clarion Road, Sligo, F91 A2FP, Ireland.

## Beyond Housing Ireland

**262682** 07 February 2020

- Class 36. Property management; Leasing of property; Property management services; Rental of property; Management of property; Property investment services; Property portfolio management; Property leasing [real estate property only]; Real property management; Property (Real estate -) investment; Domestic property finding services; Leasing of freehold property; Property (Real estate -) finance; Commercial property investment services; Property asset management services; Real estate property management; Leasing of real estate property; Property (Real estate -) brokerage services.

Beyond Housing Ireland Limited, 20 Upper Mount Street, Dublin 2, Ireland. Address for service is c/o Beyond Housing Ireland Limited, 20 Upper Mount Street, Dublin 2, Ireland.



**262683** 25 July 2019

- Class 3. Cosmetics, toiletries, perfumery, essential oils and aromatic extracts.
- Class 25. Clothing, footwear and headwear.
- Class 44. Massage and Beauty care services.

Victoria Hincu, 6 Hansted Way, Adamstown, Lucan, Co Dublin K78 VY82, Ireland. Address for service is c/o Victoria Hincu, 6 Hansted Way, Adamstown, Lucan, Co Dublin. K78 VY82, Ireland.



**262684** 06 February 2020

- Class 41. Online publication of electronic newspapers.

Sandra Topic, 72 King Street, Wexford Town, Wexford Y35 P2D6, Ireland. Address for service is c/o Sandra Topic, 72 King Street, Wexford Town, Wexford Y35 P2D6, Ireland.

The mark in use is/will be in the colour(s) red, orange, white

## VeganSOS

**262685** 12 February 2020

- Class 41. Providing of training in the field of health care and nutrition; Personal development training; Personal training services; Personal coaching [training]; Personal fitness training services; Personal trainer services [fitness training]; Provision of training courses in personal development.
- Class 44. Nutrition consultancy; Nutritional guidance; Nutritional advice; Guidance on nutrition; Food nutrition consultation; Counselling relating to nutrition; Consultancy relating to nutrition; Information relating to nutrition; Advice relating to nutrition; Dietary and nutritional guidance.

Shelley Smith, 42 Brook Meadow, Avoca, Co. Wicklow Y14 E008, Ireland. Address for service is c/o Shelley Smith, 42 Brook Meadow, Avoca, Co. Wicklow Y14 E008, Ireland.

The mark in use is/will be in the colour(s) BLACK AND WHITE

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

|        |                                                                          |
|--------|--------------------------------------------------------------------------|
| 262078 | Minister for Public Expenditure & Reform. Opposition filed 20 March 2020 |
| 262520 | ASOC INNOVATION LIMITED. Opposition filed 06 March 2020                  |
| 259993 | DURKAN NEW HOMES UNLIMITED COMPANY. Application withdrawn 20 March 2020  |
| 260086 | DURKAN NEW HOMES UNLIMITED COMPANY. Application withdrawn 23 March 2020  |

## Revocation of Trade mark under Section 51 of the Trade Marks Act, 1996

|        |                            |
|--------|----------------------------|
| 84759  | MARS FOODS IRELAND LIMITED |
| 121626 | MARS FOODS IRELAND LIMITED |

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

|        |                                                                                                                                                                  |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 261243 | James Lafferty                                                                                                                                                   |
| 261272 | Gwensly Winklaar                                                                                                                                                 |
| 261310 | NOODFOOD SERVICES LIMITED                                                                                                                                        |
| 261316 | NOODFOOD SERVICES LIMITED                                                                                                                                        |
| 261326 | INNOVATION LTD                                                                                                                                                   |
| 261328 | THE GOVERNOR AND COMPANY OF THE BANK OF IRELAND (ESTABLISHED IN IRELAND BY CHARTER IN 1783 AND HAVING LIMITED LIABILITY) DOING BUSINESS AS BANK OF IRELAND GROUP |
| 261329 | Filippo Dinacci                                                                                                                                                  |

## Trade Marks Registered under the 1996 Act

|        |                                    |
|--------|------------------------------------|
| 261344 | (2392) Cl. 29 31. Maire Griffin    |
| 261456 | (2394) Cl. 9. Varadis Ltd          |
| 261671 | (2396) Cl. 6. Fintan Ferguson      |
| 261687 | (2396) Cl. 41 44. Michelle Killian |

|        |                                                                                                                                                                          |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 261710 | (2396) Cl. 30 32. JAMES EDWARD BOWEN                                                                                                                                     |
| 261732 | (2397) Cl. 44. Athletic Rehabilitation Therapy Ireland                                                                                                                   |
| 261733 | (2397) Cl. 44. Athletic Rehabilitation Therapy Ireland                                                                                                                   |
| 261736 | (2397) Cl. 11. RVF CATERING EQUIPMENT LIMITED                                                                                                                            |
| 261759 | (2397) Cl. 41. Paul Robinson                                                                                                                                             |
| 261760 | (2397) Cl. 44. Leslie Dwyer                                                                                                                                              |
| 261776 | (2397) Cl. 25 28. Tecton Sports                                                                                                                                          |
| 261843 | (2398) Cl. 3. Helen Sheridan                                                                                                                                             |
| 261858 | (2398) Cl. 9 35 45. Afiliat Limited                                                                                                                                      |
| 261886 | (2399) Cl. 14. Ian Wragg                                                                                                                                                 |
| 261892 | (2399) Cl. 10. Smith & Nephew Orthopaedics AG                                                                                                                            |
| 261899 | (2399) Cl. 41. Ryan Donnelly                                                                                                                                             |
| 261908 | (2400) Cl. 3 5 9 16 21 25 29 30 31 32 34 35 39 41 42 44 45. Aphria Inc.                                                                                                  |
| 261910 | (2400) Cl. 16 25 43. Olivier Mauxion                                                                                                                                     |
| 261911 | (2400) Cl. 9 42. Aptech Business Systems Limited                                                                                                                         |
| 261913 | (2400) Cl. 41. Legs Eleven Ltd                                                                                                                                           |
| 261917 | (2400) Cl. 41 43. NOLACLAN LIMITED                                                                                                                                       |
| 261918 | (2400) Cl. 5 16. Essity Hygiene and Health Aktiebolag                                                                                                                    |
| 261919 | (2400) Cl. 36. THE PROVOST, FELLOWS, FOUNDATION SCHOLARS, AND THE OTHER MEMBERS OF BOARD OF THE COLLEGE OF THE HOLY AND UNDIVIDED TRINITY OF QUEEN ELIZABETH NEAR DUBLIN |
| 261922 | (2400) Cl. 36 37 42. Diarmuid Hennessy                                                                                                                                   |
| 261923 | (2400) Cl. 35 36 37 38 39 40 41 42 43 44. B & Q plc                                                                                                                      |
| 261924 | (2400) Cl. 41 43. Citadines Temple Bar Limited                                                                                                                           |
| 261925 | (2400) Cl. 32. Britvic Ireland Limited                                                                                                                                   |
| 261927 | (2400) Cl. 36. The Injured Jockeys Fund                                                                                                                                  |
| 261928 | (2400) Cl. 41 44. Suzanne Norris t/a Liver Wellness                                                                                                                      |
| 261931 | (2400) Cl. 5. Dow AgroSciences LLC                                                                                                                                       |
| 261933 | (2400) Cl. 9 35. Chanel Limited                                                                                                                                          |
| 261934 | (2400) Cl. 9 14 19. Eoin McGuinness                                                                                                                                      |
| 261935 | (2400) Cl. 5. Reckitt Benckiser Healthcare (UK) Limited                                                                                                                  |
| 261937 | (2400) Cl. 1 3 4 30. GLENSTAL ABBEY                                                                                                                                      |
| 261938 | (2400) Cl. 32. Charjon Investments Limited                                                                                                                               |
| 261939 | (2400) Cl. 30. VALUE FOOD LTD. T/A WORLDWIDE FOODS                                                                                                                       |
| 261940 | (2400) Cl. 36. CUIS Financial Services DAC                                                                                                                               |

|               |                                                                                           |                                                                  |                                                                        |
|---------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------------|
| <b>261945</b> | (2400) Cl. 32. KICKR IP LIMITED                                                           | <b>262002</b>                                                    | (2400) Cl. 3 5 9 16 21 25 29 30 31 32 34 35 39 41 42 44 45. Aphria Inc |
| <b>261948</b> | (2400) Cl. 32 33. Irish Distillers Limited                                                | <b>262004</b>                                                    | (2400) Cl. 9. Cainthus Ireland Limited                                 |
| <b>261949</b> | (2400) Cl. 44. SMILEDIRECTCLUB, LLC                                                       | <b>262005</b>                                                    | (2400) Cl. 39. Tenyards Limited                                        |
| <b>261955</b> | (2400) Cl. 5. KRKA, tovarna zdravil, d.d., Novo Mesto                                     | <b>262006</b>                                                    | (2400) Cl. 33. Viña Doña Paula S.A.                                    |
| <b>261957</b> | (2400) Cl. 43. Sourdough Revolution Ltd                                                   | <b>262008</b>                                                    | (2400) Cl. 9. Johnson & Johnson                                        |
| <b>261958</b> | (2400) Cl. 33. Irish Distillers Limited                                                   | <b>262010</b>                                                    | (2400) Cl. 19. Philip Nickol                                           |
| <b>261960</b> | (2400) Cl. 41 42. The Institute of Bankers in Ireland trading as The Institute of Banking | <b>262013</b>                                                    | (2400) Cl. 9 16 35 39 43. CHOPSTIX RESTAURANT LIMITED                  |
| <b>261961</b> | (2400) Cl. 5 16. Essity Hygiene and Health Aktiebolag                                     | <b>262015</b>                                                    | (2400) Cl. 3. S. C. Johnson & Son, Inc.                                |
| <b>261963</b> | (2400) Cl. 3. The Procter & Gamble Company                                                | <b>262016</b>                                                    | (2400) Cl. 9 35 38 42. Kerten Unlimited Company                        |
| <b>261964</b> | (2400) Cl. 29. Glanbia Ireland Designated Activity Company                                | <b>262057</b>                                                    | (2401) Cl. 9. OCTO Ltd                                                 |
| <b>261965</b> | (2400) Cl. 21. Stafford-Miller (Ireland) Limited                                          | <b>Renewal of Registrations Under Section 48 of the 1996 Act</b> |                                                                        |
| <b>261966</b> | (2400) Cl. 33. DANUBIANA KFT                                                              |                                                                  |                                                                        |
| <b>261967</b> | (2400) Cl. 41 42 43 44. medicos.AufSchalke Reha GmbH & Co. KG                             | <b>31670</b>                                                     | Cl. 5. GlaxoSmithKline Consumer Healthcare (UK) IP Limited             |
| <b>261968</b> | (2400) Cl. 1 2 3 5 29 30 31 32 35 40 42 44. Kerry Luxembourg S.à.r.l.                     | <b>35660</b>                                                     | Cl. 2. SOLUTIA INC.                                                    |
| <b>261971</b> | (2400) Cl. 2. Akzo Nobel Coatings International B.V.                                      | <b>36980</b>                                                     | Cl. 25. WRANGLER APPAREL CORP                                          |
| <b>261973</b> | (2400) Cl. 35. FLEMING MEDICAL LIMITED                                                    | <b>41439</b>                                                     | Cl. 12. SWISSBIKE VERTRIEBS GmbH                                       |
| <b>261974</b> | (2400) Cl. 35. FLEMING MEDICAL LIMITED                                                    | <b>52966</b>                                                     | Cl. 2. FABER-CASTELL AG                                                |
| <b>261976</b> | (2400) Cl. 37 40 45. BRIAN MOLLOY                                                         | <b>52967</b>                                                     | Cl. 16. FABER-CASTELL AG                                               |
| <b>261977</b> | (2400) Cl. 41. Mark Mc Cabe                                                               | <b>56637</b>                                                     | Cl. 1. EASTMAN KODAK COMPANY                                           |
| <b>261978</b> | (2400) Cl. 37 38. CELLNEX TELECOM S.A.                                                    | <b>56689</b>                                                     | Cl. 16. FABER-CASTELL AG                                               |
| <b>261981</b> | (2400) Cl. 3 5 9 16 21 25 29 30 31 32 34 35 39 41 42 44 45. Aphria Inc                    | <b>56690</b>                                                     | Cl. 16. FABER-CASTELL AG                                               |
| <b>261982</b> | (2400) Cl. 36. Informed Decisions Limited                                                 | <b>56735</b>                                                     | Cl. 7. Federal-Mogul Bremsbelag GmbH                                   |
| <b>261985</b> | (2400) Cl. 30. KRAFT FOODS NORGE INTELLECTUAL PROPERTY AS                                 | <b>56736</b>                                                     | Cl. 12. Federal-Mogul Bremsbelag GmbH                                  |
| <b>261986</b> | (2400) Cl. 30. KRAFT FOODS NORGE INTELLECTUAL PROPERTY AS                                 | <b>56737</b>                                                     | Cl. 17. Federal-Mogul Bremsbelag GmbH                                  |
| <b>261987</b> | (2400) Cl. 35. YUM Creative Ltd                                                           | <b>56781</b>                                                     | Cl. 29. SOCIÉTÉ DES PRODUITS NESTLÉ S.A.                               |
| <b>261990</b> | (2400) Cl. 41. Thomas Taaffe Brady                                                        | <b>56782</b>                                                     | Cl. 30. SOCIÉTÉ DES PRODUITS NESTLÉ S.A.                               |
| <b>261991</b> | (2400) Cl. 30. CADBURY UK LIMITED                                                         | <b>56930</b>                                                     | Cl. 30. SOCIÉTÉ DES PRODUITS NESTLÉ S.A.                               |
| <b>261995</b> | (2400) Cl. 3 5 9 16 21 25 29 30 31 32 34 35 39 41 42 44 45. APHRIA INC.                   | <b>68820</b>                                                     | Cl. 3. THE PROCTER & GAMBLE COMPANY                                    |
| <b>261996</b> | (2400) Cl. 9 16 41. Institute of International Retail (IIR)                               | <b>68841</b>                                                     | Cl. 1. ARCH CHEMICALS, INC.                                            |
| <b>261999</b> | (2400) Cl. 41. John Gilmore                                                               | <b>69132</b>                                                     | Cl. 5. SCJ EurAFNE Ltd.                                                |
| <b>262000</b> | (2400) Cl. 3 5 9 16 21 25 29 30 31 32 34 35 39 41 42 44 45. Aphria Inc                    | <b>69499</b>                                                     | Cl. 16. Neenah Paper FR, LLC                                           |
| <b>262001</b> | (2400) Cl. 3 5 9 16 21 25 29 30 31 32 34 35 39 41 42 44 45. Aphria Inc                    | <b>70019</b>                                                     | Cl. 33. KWV INTELLECTUAL PROPERTIES (PTY) LIMITED                      |
|               |                                                                                           | <b>85846</b>                                                     | Cl. 5. Societe Des Produits Nestle S.A.                                |
|               |                                                                                           | <b>86497</b>                                                     | Cl. 30. Koninklijke Douwe Egberts B.V.                                 |
|               |                                                                                           | <b>86679</b>                                                     | Cl. 30. BURTON'S FOODS LIMITED                                         |
|               |                                                                                           | <b>86971</b>                                                     | Cl. 7. UOP LLC                                                         |
|               |                                                                                           | <b>87415</b>                                                     | Cl. 30. BARILLA G.e.R. Fratelli-Società per Azioni                     |
|               |                                                                                           | <b>88220</b>                                                     | Cl. 7. Milliken & Company                                              |
|               |                                                                                           | <b>88221</b>                                                     | Cl. 27. Milliken & Company                                             |

|               |                                                                       |               |                                                                      |
|---------------|-----------------------------------------------------------------------|---------------|----------------------------------------------------------------------|
| <b>88463</b>  | Cl. 5. CADBURY NETHERLANDS INTERNATIONAL HOLDINGS B.V.                | <b>134940</b> | Cl. 1, Cl. 9, Cl. 11, Cl. 16. Melitta Europa GmbH & Co. KG           |
| <b>88464</b>  | Cl. 5. CADBURY NETHERLANDS INTERNATIONAL HOLDINGS B.V.                | <b>135459</b> | Cl. 18. Tara Diaries & Calendars Limited (registered Number 467597)  |
| <b>90435</b>  | Cl. 21. THE ROYAL CROWN DERBY PORCELAIN COMPANY LIMITED               | <b>135738</b> | Cl. 5. HEXAL AKTIENGESELLSCHAFT                                      |
| <b>93850</b>  | Cl. 5. ARCH UK BIOCIDES LIMITED                                       | <b>135947</b> | Cl. 1, Cl. 3, Cl. 16, Cl. 21. Melitta Europa GmbH & Co. KG           |
| <b>94046</b>  | Cl. 1. PURAFIL, INC.                                                  | <b>138537</b> | Cl. 21. Smithers-Oasis Company                                       |
| <b>94433</b>  | Cl. 16. Audatex Luxembourg Sàrl                                       | <b>138671</b> | Cl. 14. Signet Jewelers Brands Limited                               |
| <b>94633</b>  | Cl. 17. The Chemours Company FC, LLC                                  | <b>153975</b> | Cl. 30. Green Isle Brands Limited                                    |
| <b>95382</b>  | Cl. 5. Daiichi Sankyo Company, Limited                                | <b>155200</b> | Cl. 5. Almirall Hermal GmbH                                          |
| <b>95421</b>  | Cl. 30. SOCIÉTÉ DES PRODUITS NESTLÉ S.A.                              | <b>155369</b> | Cl. 25. MOTHERCARE IRELAND LIMITED                                   |
| <b>96149</b>  | Cl. 32. FOOTBALL SPECIAL LIMITED                                      | <b>155524</b> | Cl. 2. Flint Group Germany GmbH                                      |
| <b>98158</b>  | Cl. 18, Cl. 25, Cl. 28. Fila Luxembourg Sarl                          | <b>155821</b> | Cl. 3. CHARLES JOURDAN HOLDING AG                                    |
| <b>102523</b> | Cl. 3, Cl. 25. Balenciaga                                             | <b>156096</b> | Cl. 5. RECKITT BENCKISER HEALTHCARE (UK) LIMITED                     |
| <b>107479</b> | Cl. 26. VELCRO BVBA                                                   | <b>156356</b> | Cl. 5. ARCH UK BIOCIDES LIMITED                                      |
| <b>109322</b> | Cl. 32. Marston's PLC                                                 | <b>156689</b> | Cl. 30. Koninklijke Douwe Egberts B.V.                               |
| <b>117371</b> | Cl. 11. Ideal Boilers Limited                                         | <b>156904</b> | Cl. 1, Cl. 2. Arkema France                                          |
| <b>131115</b> | Cl. 1. KEM ONE                                                        | <b>157028</b> | Cl. 32. MARIE BRIZARD WINE & SPIRITS France                          |
| <b>132657</b> | Cl. 30. CAFFREY'S LTD.                                                | <b>157029</b> | Cl. 33. MARIE BRIZARD WINE & SPIRITS France                          |
| <b>132798</b> | Cl. 3. UNILEVER PLC                                                   | <b>157077</b> | Cl. 25. Skechers U.S.A., Inc. II                                     |
| <b>132931</b> | Cl. 32. HIGHLAND SPRING LIMITED                                       | <b>157313</b> | Cl. 29. TOLKA EGG STORES LTD.                                        |
| <b>133237</b> | Cl. 12. GIANT MANUFACTURING CO., LTD.                                 | <b>157826</b> | Cl. 9, Cl. 18, Cl. 25. Hugo Boss Trade Mark Management GmbH & Co. KG |
| <b>133290</b> | Cl. 12. FORD MOTOR COMPANY                                            | <b>158788</b> | Cl. 25. Strellson AG                                                 |
| <b>133591</b> | Cl. 5. Eli Lilly and Company Limited                                  | <b>158950</b> | Cl. 29. SOCIETE DES PRODUITS NESTLE S.A.                             |
| <b>133662</b> | Cl. 16. THE NATIONAL MAGAZINE COMPANY LIMITED                         | <b>158951</b> | Cl. 30. SOCIETE DES PRODUITS NESTLE S.A.                             |
| <b>133663</b> | Cl. 16. THE NATIONAL MAGAZINE COMPANY LIMITED                         | <b>158952</b> | Cl. 29. SOCIETE DES PRODUITS NESTLE S.A.                             |
| <b>133664</b> | Cl. 16. THE NATIONAL MAGAZINE COMPANY LIMITED                         | <b>158953</b> | Cl. 30. SOCIETE DES PRODUITS NESTLE S.A.                             |
| <b>133665</b> | Cl. 16. THE NATIONAL MAGAZINE COMPANY LIMITED                         | <b>159221</b> | Cl. 30. KP Snacks Limited                                            |
| <b>133666</b> | Cl. 16. THE NATIONAL MAGAZINE COMPANY LIMITED                         | <b>159495</b> | Cl. 12. HYUNDAI MOTOR COMPANY                                        |
| <b>134800</b> | Cl. 6. COFRESCO FRISCHHALTEPRODUKTE GmbH & CO. KOMMANDITGESELLSCHAFT  | <b>162281</b> | Cl. 5. AUGUST STORCK KG                                              |
| <b>134801</b> | Cl. 9. COFRESCO FRISCHHALTEPRODUKTE GmbH & CO. KOMMANDITGESELLSCHAFT  | <b>162531</b> | Cl. 1, Cl. 2. Arkema France                                          |
| <b>134802</b> | Cl. 16. COFRESCO FRISCHHALTEPRODUKTE GmbH & CO. KOMMANDITGESELLSCHAFT | <b>162538</b> | Cl. 5, Cl. 30. Intercontinental Great Brands LLC                     |
| <b>134803</b> | Cl. 17. COFRESCO FRISCHHALTEPRODUKTE GmbH & CO. KOMMANDITGESELLSCHAFT | <b>164368</b> | Cl. 12. TREK BICYCLE, CORP.                                          |
| <b>134804</b> | Cl. 21. COFRESCO FRISCHHALTEPRODUKTE GmbH & CO. KOMMANDITGESELLSCHAFT | <b>168235</b> | Cl. 1, Cl. 2, Cl. 17, Cl. 19, Cl. 24, Cl. 27. PPG AC - France        |
|               |                                                                       | <b>170893</b> | Cl. 1, Cl. 2. Arkema France                                          |
|               |                                                                       | <b>176400</b> | Cl. 29. IRISH YOGURTS LTD.                                           |
|               |                                                                       | <b>216014</b> | Cl. 34. BRITISH AMERICAN TOBACCO (BRANDS) LIMITED                    |
|               |                                                                       | <b>217058</b> | Cl. 3, Cl. 5, Cl. 42. ADDED MARKETING LIMITED                        |
|               |                                                                       | <b>217183</b> | Cl. 7. Sanden Holdings Corporation                                   |

|               |                                                                                                                                                                                                             |               |                                                        |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------------------------------------|
| <b>217204</b> | Cl. 32. SHEPHERD NEAME LTD.                                                                                                                                                                                 | <b>243560</b> | Cl. 5. CLOTPLUS LIMITED                                |
| <b>217219</b> | Cl. 33. Fetzter Vineyards                                                                                                                                                                                   | <b>243588</b> | Cl. 43. MICHAEL TIGHE                                  |
| <b>217450</b> | Cl. 26. YKK Stocko Fasteners GmbH                                                                                                                                                                           | <b>243624</b> | Cl. 30. CADBURY UK LIMITED                             |
| <b>217461</b> | Cl. 30. CADBURY UK LIMITED                                                                                                                                                                                  | <b>243634</b> | Cl. 31. Fyffes International Unlimited Company         |
| <b>217470</b> | Cl. 30. CADBURY UK LIMITED                                                                                                                                                                                  | <b>243663</b> | Cl. 35. HOLLAND & BARRETT LIMITED                      |
| <b>217487</b> | Cl. 9. Border I.P. Limited                                                                                                                                                                                  | <b>243667</b> | Cl. 29, Cl. 30. Tayto Snacks Unlimited Company         |
| <b>217638</b> | Cl. 16. SOCIETE BIC                                                                                                                                                                                         | <b>243682</b> | Cl. 9. DON O'TOOLE T/A BATTERY DISTRIBUTION OF IRELAND |
| <b>217719</b> | Cl. 32. PespsiCo, Inc.                                                                                                                                                                                      | <b>243695</b> | Cl. 18, Cl. 25. PEEK & CLOPPENBURG KG                  |
| <b>218051</b> | Cl. 5. BESINS HEALTHCARE LUXEMBOURG S.A.R.L.                                                                                                                                                                | <b>243696</b> | Cl. 18, Cl. 25. PEEK & CLOPPENBURG KG                  |
| <b>218120</b> | Cl. 7. Sanden Holdings Corporation                                                                                                                                                                          | <b>243697</b> | Cl. 18, Cl. 25. PEEK & CLOPPENBURG KG                  |
| <b>218568</b> | Cl. 8, Cl. 16. SOCIETE BIC                                                                                                                                                                                  | <b>243801</b> | Cl. 29, Cl. 30. GRANBY LIMITED                         |
| <b>218579</b> | Cl. 5. PFIZER INC.                                                                                                                                                                                          | <b>243840</b> | Cl. 16, Cl. 36. NATIONAL TREASURY MANAGEMENT AGENCY    |
| <b>218836</b> | Cl. 25, Cl. 35. Abercrombie & Fitch Europe Sagl                                                                                                                                                             | <b>243846</b> | Cl. 9, Cl. 11, Cl. 42. VAILLANT GMBH                   |
| <b>218994</b> | Cl. 33. BROWN-FORMAN CORPORATION                                                                                                                                                                            | <b>243854</b> | Cl. 15. JOHN HORNBY SKEWES & CO LTD                    |
| <b>219090</b> | Cl. 3. S. C. JOHNSON & SON, INC.                                                                                                                                                                            | <b>243867</b> | Cl. 30. DALE FARM LIMITED                              |
| <b>219362</b> | Cl. 29. COMPAGNIE GERVAIS DANONE                                                                                                                                                                            | <b>244299</b> | Cl. 34. BR INTERNATIONAL HOLDINGS INC.                 |
| <b>219471</b> | Cl. 29, Cl. 30. Société des Produits Nestlé S.A.                                                                                                                                                            | <b>244538</b> | Cl. 4. BORD NA MONA FUELS LIMITED                      |
| <b>219535</b> | Cl. 35, Cl. 41. ManpowerGroup Inc.                                                                                                                                                                          |               |                                                        |
| <b>219699</b> | Cl. 36. Ford Motor Company                                                                                                                                                                                  |               |                                                        |
| <b>220145</b> | Cl. 16, Cl. 18, Cl. 25, Cl. 28. Discovery Communications, LLC                                                                                                                                               |               |                                                        |
| <b>220213</b> | Cl. 30. CADBURY UK LIMITED                                                                                                                                                                                  |               |                                                        |
| <b>220558</b> | Cl. 3, Cl. 42. WEST WOOD CLUB LTD                                                                                                                                                                           |               |                                                        |
| <b>221340</b> | Cl. 33. SOCIETE CIVILE DU CHATEAU PETRUS                                                                                                                                                                    |               |                                                        |
| <b>221753</b> | Cl. 5. Ardmore Farm Supplies Ltd                                                                                                                                                                            |               |                                                        |
| <b>221754</b> | Cl. 5. ARDMORE FARM SUPPLIES LTD                                                                                                                                                                            |               |                                                        |
| <b>221755</b> | Cl. 5. ARDMORE FARM SUPPLIES LTD                                                                                                                                                                            |               |                                                        |
| <b>222502</b> | Cl. 7, Cl. 9, Cl. 11, Cl. 25, Cl. 28, Cl. 37. General Motors LLC                                                                                                                                            |               |                                                        |
| <b>223860</b> | Cl. 29. COMPAGNIE GERVAIS DANONE                                                                                                                                                                            |               |                                                        |
| <b>224061</b> | Cl. 16, Cl. 17, Cl. 20. GETINGE LA CALHENE                                                                                                                                                                  |               |                                                        |
| <b>225249</b> | Cl. 29, Cl. 30, Cl. 32. Kraft Foods Belgium Intellectual Property                                                                                                                                           |               |                                                        |
| <b>225852</b> | Cl. 16, Cl. 25, Cl. 28, Cl. 29, Cl. 30, Cl. 32, Cl. 41. SAN CARLO GRUPPO ALIMENTARE S.P.A.                                                                                                                  |               |                                                        |
| <b>229396</b> | Cl. 2, Cl. 3, Cl. 4, Cl. 5, Cl. 7, Cl. 8, Cl. 9, Cl. 11, Cl. 12, Cl. 14, Cl. 16, Cl. 18, Cl. 20, Cl. 21, Cl. 25, Cl. 27, Cl. 28, Cl. 34, Cl. 35, Cl. 36, Cl. 37, Cl. 38, Cl. 39, Cl. 41, Cl. 42. Daimler AG |               |                                                        |
| <b>243514</b> | Cl. 29. Intercontinental Great Brands LLC                                                                                                                                                                   |               |                                                        |
| <b>243527</b> | Cl. 4. BORD NA MONA FUELS LIMITED                                                                                                                                                                           |               |                                                        |

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

**244348** Classes 16 and 35. Independent Newspapers (Ireland) Limited.

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.

### NIZORAL

0394488 11/10/2019

- Class 1. Chemical products for use in science and photography; unprocessed artificial and synthetic resins, unprocessed plastics (in the form of powders, liquids or pastes); extinguishing compositions, quenching and chemical preparations for welding; tanning materials; adhesive substances for industrial use.
- Class 3. Bleaching preparations and other substances for laundry use; cleaning, polishing, degreasing and abrasive preparations; soaps; perfumery, essential oils, cosmetics, hair lotions, dentifrices.
- Class 5. Pharmaceutical, veterinary and sanitary products; dietetic products for children and sick persons; plasters, material for dressings; material for dental fillings and dental impressions; disinfectants.

Janssen Pharmaceutica NV, Turnhoutseweg 30, B-2340 Beerse, Belgium

Notings: The application for registration is proceeding with the consent of the proprietors of Registered Mark No: 103734.

Representative: Novagraaf Nederland BV, Hoogoorddreef 5, NL-1101 BA Amsterdam, The Netherlands

### AIRCLASS

1424563 30/07/2018

- Class 42. Consulting services in the field of software as a service (SAAS); software as a service (SAAS) services, featuring software for use in education, namely, for hosting and facilitating online education, training and meetings, for instructor/student communication, for organizing and maintaining files, for engaging in live chat, for hosting live teaching sessions, for providing full session experience recording, for whiteboarding, for content

collection and commenting, for providing engagement scores, and for on-line instructor-led social networking and collaboration, all of said services not relating to the fields of microscopy or endoscopy, surgical microscopy or endoscopy, archiving, processing and sharing of microscopic or endoscopic images.

Lenovo (Singapore) Pte Ltd., 151 Lorong Chuan #02-01, New Tech Park, Singapore 556741, Singapore

Notings: The request for protection is proceeding with the consent of the proprietors of Registered European Union Trade Mark No. 016024143.

Representative: Becky A. Williams Motorola Trademark Holdings, LLC, 222 W. Merchandise Mart Plaza, Suite 1800, Chicago IL 60654, United States of America

Address for service: TOMKINS & CO., 5 Dartmouth Road, Dublin 6, Ireland

## International Trade Marks protected in the State

**0580751** (2400) Cl. 1, 5  
DSM IP Assets B.V. of The Netherlands

**1069344** (2400) Cl. 9, 42, 44  
CheckWare AS of Norway

**1238248** (2400) Cl. 13  
Thales Australia Limited of Australia

**1260069** (2400) Cl. 25  
THERMOLIFE INTERNATIONAL, LLC of United States of America

**1274860** (2400) Cl. 20  
Lamello AG of Switzerland

**1301293** (2400) Cl. 21  
Ursula Kindt-Schmitt of Switzerland

**1340005** (2400) Cl. 25, 35  
Danilova Katerina Ievgenivna of Ukraine

**1344839** (2400) Cl. 36  
CASHWAGON PTE. LTD. of Singapore

**1460656** (2400) Cl. 20  
Guangdong Camel apparel Co., Ltd of China

**1476925** (2400) Cl. 9, 18, 25, 35  
RUBY WORKSHOP LTD of United Kingdom

**1480922** (2400) Cl. 11, 28, 36  
HANERGY CO-INNO MOBILE ENERGY INVESTMENT CO., LTD. of China

**1480994** (2400) Cl. 3  
BEACHPOWDER LIMITED of United Kingdom

**1481008** (2400) Cl. 2, 3, 6, 7, 8, 9, 11, 12, 18, 19, 22, 24, 28  
Guangzhou Zhongdai Decorative Building Materials Co., Ltd. of China

**1481051** (2400) Cl. 9, 28, 41  
Euro Games Technology Ltd. of Bulgaria

**1481172** (2400) Cl. 3  
SHANGHAI BAIFENG INVESTMENT CO., LTD. of China

**1481198** (2400) Cl. 9, 28, 41  
Euro Games Technology Ltd. of Bulgaria

**1481213** (2400) Cl. 5  
Welch Foods Inc., A Cooperative of United States of America

**1481222** (2400) Cl. 7  
ZHEJIANG REFINE WUFU AIR TOOLS CO., LTD. of China

**1481275** (2400) Cl. 9  
HUAWEI TECHNOLOGIES CO., LTD. of China

**1481329** (2400) Cl. 4, 21, 29, 30, 35  
RepubliQ Holding ApS of Denmark

**1481464** (2400) Cl. 12  
PIRELLI TYRE S.p.A. of Italy



**1481534** (2400) Cl. 35, 42  
Conductor, Inc. of United States of America

**1481801** (2400) Cl. 9, 36, 42  
Zurich Insurance Mobile Solutions AG of Switzerland

**1481844** (2400) Cl. 35, 42  
Skymorials Pty Ltd c/- Marshall White & Co Pty Ltd of Australia

**1481875** (2400) Cl. 41  
Fondation SERGE LIFAR of Liechtenstein

**1481994** (2400) Cl. 6  
WUXI HUANAWELL METAL MANUFACTURING CO., LTD of China

**1482039** (2400) Cl. 1, 2, 17, 35  
ANSHAN HIFICHEM CO., LTD. of China

**1482269** (2400) Cl. 14, 18, 25  
BESIONIA (Shanghai) Trading Co., Ltd. of China

**1482313** (2400) Cl. 14, 18, 25  
BESIONIA (Shanghai) Trading Co., Ltd. of China

**1482584** (2400) Cl. 1, 6  
Nanjing Hanrui Cobalt Co., LTD. of China

**1482606** (2400) Cl. 9, 42  
Hexagon AB of Sweden

**1482653** (2400) Cl. 16, 28, 41  
Richard Clement Royds of United Kingdom

**1482664** (2400) Cl. 12  
JB Lifestyle Group, LLC of United States of America

**1482783** (2400) Cl. 3, 35  
Ionova Iryna Andriivna of Ukraine

**1483029** (2400) Cl. 6, 8, 9, 18, 25, 28  
Great Trango Holdings, Inc. of United States of America

**1483055** (2400) Cl. 42  
PYXUS INTERNATIONAL, INC. of United States of America

**1483145** (2400) Cl. 1  
RAFINE BILLURTUZ SANAYI ANONIM SIRKETI of Turkey

**1483349** (2400) Cl. 7, 8  
SHANGHAI WORLD-PRO IMPORT & EXPORT CO., LTD. of China

**1483498** (2400) Cl. 12  
NANJING IVECO AUTOMOBILE CO., LTD. of China

**1483619** (2400) Cl. 3, 8, 41, 44  
PHIACADEMY DOO BEOGRAD of Serbia

**1483701** (2400) Cl. 9, 28, 41  
Euro Games Technology Ltd. of Bulgaria

**1483801** (2400) Cl. 29  
ASIA OILS INVESTMENT PTE. LTD. of Singapore

**1483998** (2400) Cl. 25  
Stitch Fix, Inc. of United States of America

**1484057** (2400) Cl. 41  
Blagotvoritelny fond Aliny Kabaevoy of Russian Federation

**1484084** (2400) Cl. 41  
Blagotvoritelny fond Aliny Kabayevoy of Russian Federation

**1484221** (2400) Cl. 30  
Nutri-Asia, Inc. of Philippines

**1484417** (2400) Cl. 41  
Fondation SERGE LIFAR of Liechtenstein

**1485227** (2400) Cl. 30  
Obshchestvo s ogranichennoy otvetstvennostyu "Konditerskaya fabrika "POBEDA" of Russian Federation

**1485240** (2400) Cl. 9, 36, 42  
Onu Technology, Inc. of United States of America

**1485381** (2400) Cl. 3  
NAOS LIGHTHOUSE of France

**1485721** (2400) Cl. 9, 28, 41  
Euro Games Technology Ltd. of Bulgaria

**1486001** (2400) Cl. 16, 17  
PLASTOTECNICA S.P.A. of Italy

**1486109** (2400) Cl. 9, 28, 41  
Euro Games Technology Ltd. of Bulgaria

**1486143** (2400) Cl. 9, 28, 41  
Euro Games Technology Ltd. of Bulgaria

**1486245** (2400) Cl. 9, 28, 41  
Euro Games Technology Ltd. of Bulgaria

**1486258** (2400) Cl. 41  
Fitbeat Australia Pty Ltd of Australia

**1486301** (2400) Cl. 15  
Sun Jianjun of China

**1486388** (2400) Cl. 9, 28, 41  
Euro Games Technology Ltd. of Bulgaria

**1486650** (2400) Cl. 9, 14, 18, 25  
LOUIS VUITTON MALLETTIER of France

**1486894** (2400) Cl. 7, 11, 21, 30  
Gaggia S.p.a. of Italy

**1486934** (2400) Cl. 9, 28, 41  
Euro Games Technology Ltd. of Bulgaria

**1486978** (2400) Cl. 9, 35, 39, 41, 42,  
43  
Daimani Holding AG of Switzerland

**1487705** (2400) Cl. 35, 42  
Benefitfocus.com, Inc. of United States of  
America

**1487772** (2400) Cl. 25, 30, 43  
Nemes Olivér of Hungary

**1487829** (2400) Cl. 3, 5  
Omega Pharma Innovation & Development  
NV of Belgium

**1488017** (2400) Cl. 23, 24  
ZHEJIANG JINYUAN FLAX CO.,LTD of  
China

**1488073** (2400) Cl. 9  
farmlifes GmbH of Austria

**1488436** (2400) Cl. 9, 28, 41  
Euro Games Technology Ltd. of Bulgaria

**1488501** (2400) Cl. 9, 42  
Healthcare Logic Pty Ltd of Australia

**1488549** (2400) Cl. 9, 28, 41  
Euro Games Technology Ltd. of Bulgaria

**1488604** (2400) Cl. 9, 28, 41  
Euro Games Technology Ltd. of Bulgaria

**1488773** (2400) Cl. 3  
LIV LUX LAB LLC of United States of  
America

## Changes/Corrections in the International Register

**1482609** Advertised as accepted in Journal No:  
2401 on 25 December 2019.

Class 5 has been deleted.  
All other classes remain unchanged.