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# Patents Office Journal

Irisleabhar Oifig Na bPaitinní

Cuid I

Paitinní agus Dearachtaí

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**No. 2393**

**Wednesday, 4 September, 2019**

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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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## Applications for Patents From 02/08/2019 to 13/08/2019

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.

|  |                  |
|--|------------------|
| BREEN KEVIN Apparatus to kill Varroa Mite and larvae from bees using<br>Hyperthermy 13 August 2019   | <b>S20190134</b> |
| DARGAN PIERCE A sustainable three disc display for motor vehicle windscreens<br>that holds motor tax, insurance and NCT discs 07 August 2019 | <b>S20190131</b> |
| KENNEDY THOMAS Tower of Hanoi game 06 August 2019  | <b>S20190132</b> |
| STAMFORD DEVICES LIMITED Buccal administration of aerosol 02 August 2019   | <b>20190129</b>  |
| STAMFORD DEVICES LIMITED Control of nebuliser output 02 August 2019  | <b>20190130</b>  |
| SWEEPR TECHNOLOGIES LIMITED AN AUTOMATED SUPPORT SYSTEM<br>FOR CONNECTED DEVICES 12 August 2019  | <b>20190133</b>  |

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## Applications Published Under Section 28

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

- |             |                  |  |
|-------------|------------------|--|
| <b>2017</b> | <b>S20170137</b> | JOHN MURPHY; SONIA REYNOLDS A technical method of automatically adapting the mode of operation of the networking interface in accordance with the instantantaneous network traffic requirements in order to minimize the power consumption. 27 June 2017. Int. Cl. (2019.01) <b>G06F 17/00</b> . |
| <b>2018</b> | <b>S20180042</b> | TOOLFAST LTD, A fixing means. 27 February 2018. Int. Cl. (2019.01) <b>F16B 25/00</b> .   |
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## Patents Granted Under Section 34

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

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

- S87043** A technical method of automatically adapting the mode of operation of the networking interface in accordance with the instantantaneous network traffic requirements in order to minimize the power consumption. Int. Cl. (2019.01) **G06F 17/00**. JOHN MURPHY; SONIA REYNOLDS 27 June 2017 (S20170137)
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## 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. 32/19, dated 07<sup>th</sup> August 2019

|         |                                     |            |         |            |        |
|---------|-------------------------------------|------------|---------|------------|--------|
| 1364454 | AURA SYSTEMS, INC.                  | 28/12/2001 | 1364454 | 01985165.8 |        |
| 1390014 | Abraxis BioScience, LLC             | 02/05/2002 | 1390014 | 02731657.9 |        |
| 1410196 | AVEVA Software, LLC                 | 24/06/2002 | 1410196 | 02756290.9 |        |
| 1437447 | ABT, Inc.                           | 09/01/2004 | 1437447 | 04000330.3 |        |
| 1440995 | Rapp Polymere GmbH                  | 23/01/2003 | 1440995 | 03001545.7 | German |
| 1462766 | AISIN AW CO., LTD.                  | 28/11/2003 | 1462766 | 03027273.6 |        |
| 1472813 | Oracle International Corporation    | 29/01/2003 | 1472813 | 03708905.9 |        |
| 1495858 | Airbus Operations GmbH              | 30/06/2004 | 1495858 | 04015293.6 | German |
| 1497854 | Soitec                              | 23/04/2003 | 1497854 | 03727798.5 |        |
| 1515546 | Sensormatic Electronics, LLC        | 29/04/2004 | 1515546 | 04010139.6 |        |
| 1518168 | Alibaba Group Holding Limited       | 19/06/2003 | 1518168 | 03739168.7 |        |
| 1535343 | Acorn Technologies, Inc.            | 08/08/2003 | 1535343 | 03785158.1 |        |
| 1565950 | Evonik Degussa GmbH                 | 06/11/2003 | 1565950 | 03775310.0 | German |
| 1572285 | Solace Therapeutics, Inc.           | 29/09/2003 | 1572285 | 03770516.7 |        |
| 1582962 | Microsoft Technology Licensing, LLC | 10/03/2005 | 1582962 | 05101873.7 |        |
| 1602104 | Samsung Electronics Co., Ltd.       | 11/03/2004 | 1602104 | 04719681.1 |        |
| 1604283 | Palo Alto Networks, Inc.            | 06/11/2003 | 1604283 | 03789732.9 |        |
| 1613409 | NOVO NORDISK A/S                    | 02/04/2004 | 1613409 | 04725302.6 |        |
| 1639357 | F. Hoffmann-La Roche AG             | 18/06/2004 | 1639357 | 04755678.2 |        |
| 1644445 | Design Blue Ltd.                    | 25/06/2004 | 1644445 | 04743132.5 |        |
| 1650862 | Dialog Semiconductor GmbH           | 22/10/2004 | 1650862 | 04368068.5 |        |
| 1659600 | FUJIKURA LTD.                       | 18/11/2005 | 1659600 | 05025202.2 |        |
| 1696316 | Microsoft Technology Licensing, LLC | 20/01/2006 | 1696316 | 06100646.6 |        |
| 1698672 | THOR GmbH                           | 19/06/2002 | 1698672 | 06012608.3 | German |
| 1706314 | Electronic Scripting Products, Inc. | 22/12/2004 | 1706314 | 04818087.1 |        |
| 1724664 | Sharp Kabushiki Kaisha              | 17/05/2006 | 1724664 | 06010200.1 |        |
| 1731116 | coLigne AG                          | 08/06/2006 | 1731116 | 06405252.5 |        |
| 1731284 | Zephyros Inc.                       | 06/06/2006 | 1731284 | 06011591.2 |        |
| 1740612 | VIACYTE, INC.                       | 26/04/2005 | 1740612 | 05780039.3 |        |

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| 1743422 | Conversant Intellectual Property Management Inc. | 20/01/2005 | 1743422 | 05711776.4 |        |
| 1744355 | Hanwha Q CELLS GmbH                              | 28/06/2006 | 1744355 | 06076347.1 | German |
| 1745197 | ROBERT BOSCH GMBH                                | 01/04/2005 | 1745197 | 05729623.8 | German |
| 1745536 | Bel Power Solutions Inc.                         | 27/01/2005 | 1745536 | 05712797.9 |        |
| 1745640 | Koninklijke Philips N.V.                         | 02/05/2005 | 1745640 | 05733785.9 |        |
| 1751997 | Google LLC                                       | 12/05/2005 | 1751997 | 05747447.0 |        |
| 1753715 | BASF SE  | 21/05/2005 | 1753715 | 05752554.5 | German |
| 1755917 | Aptiv Technologies Limited                       | 06/06/2005 | 1755917 | 05757766.0 |        |
| 1774586 | Micron Technology, Inc.                          | 22/06/2005 | 1774586 | 05766678.6 |        |
| 1779442 | Samsung Electronics Co., Ltd.                    | 16/06/2005 | 1779442 | 05856826.2 |        |
| 1782398 | INGENICO GROUP                                   | 24/06/2005 | 1782398 | 05779719.3 | French |
| 1786862 | Olmix  | 21/01/2005 | 1786862 | 05717471.6 | French |
| 1794026 | Aptiv Technologies Limited                       | 08/09/2005 | 1794026 | 05792338.5 |        |
| 1808026 | Qualcomm Incorporated                            | 31/08/2005 | 1808026 | 05796074.2 |        |
| 1817541 | PerkinElmer LAS, Inc.                            | 08/11/2005 | 1817541 | 05818117.3 |        |
| 1844417 | Telefónica Germany GmbH & Co. OHG                | 08/12/2005 | 1844417 | 05817605.8 |        |
| 1846272 | ARC Automotive, Inc.                             | 09/12/2005 | 1846272 | 05853483.5 |        |
| 1851588 | Laser Projection Technologies, Inc.              | 01/02/2006 | 1851588 | 06748189.5 |        |
| 1857639 | United Technologies Corporation                  | 15/05/2007 | 1857639 | 07009708.4 |        |
| 1861043 | Medtronic Vascular, Inc.                         | 09/02/2006 | 1861043 | 06734867.2 |        |
| 1861989 | Gigaset Communications GmbH                      | 08/03/2007 | 1861989 | 07726714.4 | German |
| 1869540 | Microsoft Technology Licensing, LLC              | 03/03/2006 | 1869540 | 06740333.7 |        |
| 1869759 | NXP B.V.   | 24/03/2006 | 1869759 | 06727732.7 |        |
| 1883781 | ZYGO CORPORATION                                 | 18/05/2006 | 1883781 | 06760145.0 |        |
| 1884137 | Nokia Technologies Oy                            | 05/05/2006 | 1884137 | 06755859.3 |        |
| 1888254 | Tyco Fire Products LP                            | 05/06/2006 | 1888254 | 06772109.2 |        |
| 1900998 | Siteco Beleuchtungstechnik GmbH                  | 17/09/2007 | 1900998 | 07018209.2 | German |
| 1901794 | RIC Investments, LLC.                            | 13/06/2006 | 1901794 | 06773070.5 |        |
| 1910587 | Prestone Products Corporation                    | 26/06/2006 | 1910587 | 06773971.4 |        |
| 1920070 | BioFire Diagnostics, LLC                         | 08/05/2006 | 1920070 | 06752383.7 |        |
| 1921280 | GENERAL ELECTRIC COMPANY                         | 05/03/2007 | 1921280 | 07103532.3 |        |
| 1929819 | Apple Inc.                                       | 28/09/2006 | 1929819 | 06790759.2 |        |
| 1935497 | Fellowes, Inc.                                   | 09/08/2005 | 1935497 | 08102126.3 |        |
| 1943364 | ROBERT BOSCH GMBH                                | 25/09/2006 | 1943364 | 06793788.8 | German |
| 1946912 | DELTA - TECH S.p.A.<br>Montanari, Italo          | 17/01/2008 | 1946912 | 08150385.6 |        |

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| 6482    | (No. 2393)  | Patents Office Journal | (04/09/2019) |            |        |
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| 1949547 | LG Electronics, Inc.  | 27/10/2006             | 1949547      | 06812257.1 |        |
| 1959397 | WISCONSIN ALUMNI RESEARCH<br>FOUNDATION                                       | 12/02/2008             | 1959397      | 08002568.7 |        |
| 1961095 | SEW-EURODRIVE GmbH & Co. KG   | 20/10/2006             | 1961095      | 06806429.4 | German |
| 1970654 | DAIKIN INDUSTRIES, LTD.   | 12/12/2006             | 1970654      | 06834475.3 |        |
| 1973977 | PPG Industries Ohio, Inc.   | 10/01/2007             | 1973977      | 07852345.3 |        |
| 1978884 | Hilliard, Jack Keith  | 03/01/2007             | 1978884      | 07716243.6 |        |
| 1979097 | Rheonix, Inc.   | 12/01/2007             | 1979097      | 07716595.9 |        |
| 1982256 | Kingston Digital, Inc.  | 06/02/2007             | 1982256      | 07701752.3 |        |
| 1982607 | Hairdreams Haarhandels GmbH   | 09/08/2007             | 1982607      | 07450135.4 | German |
| 1984178 | Outlast Technologies, LLC   | 25/01/2007             | 1984178      | 07797096.0 |        |
| 1986330 | Orange  | 19/12/2005             | 1986330      | 08160263.3 | French |
| 1992445 | Consejo Superior De Investigaciones<br>Científicas (CSIC)                     | 06/03/2007             | 1992445      | 07730487.1 |        |
| 1997918 | Nippon Steel Corporation  | 27/02/2007             | 1997918      | 07737434.6 |        |
| 2002828 | NIPPON ZOKI PHARMACEUTICAL<br>CO. LTD.  | 30/03/2007             | 2002828      | 07740657.7 |        |
| 2004146 | Reckitt Benckiser Healthcare (UK)<br>Limited                                  | 02/04/2007             | 2004146      | 07732255.0 |        |
| 2006546 | Exel Industries S.A.  | 19/06/2008             | 2006546      | 08252120.4 |        |
| 2007270 | V.I.M.S. Video Interventionnelle<br>Médicale Scientifique                     | 03/04/2007             | 2007270      | 07731242.9 | French |
| 2010718 | MBD Offshore Power A/S  | 10/04/2007             | 2010718      | 07722557.1 |        |
| 2011084 | Milliken & Company  | 17/04/2007             | 2011084      | 07755532.4 |        |
| 2013693 | Nokia Technologies Oy   | 12/04/2007             | 2013693      | 07735481.9 |        |
| 2023854 | Cook Medical Technologies LLC   | 06/06/2007             | 2023854      | 07795816.3 |        |
| 2023945 | IAMS Europe B.V.  | 07/06/2007             | 2023945      | 07825803.5 |        |
| 2023983 | Cilag GmbH International  | 29/05/2007             | 2023983      | 07732990.2 |        |
| 2030354 | Cisco Technology, Inc.  | 14/06/2007             | 2030354      | 07798586.9 |        |
| 2033107 | Microsoft Technology Licensing, LLC   | 13/02/2007             | 2033107      | 07750533.7 |        |
| 2035711 | ATLAS COPCO AIRPOWER N.V.   | 01/06/2007             | 2035711      | 07719217.7 |        |
| 2035975 | Universal Electronics, Inc.   | 26/06/2007             | 2035975      | 07835885.0 |        |
| 2036299 | Koninklijke Philips N.V.<br>Philips Intellectual Property &<br>Standards GmbH | 19/06/2007             | 2036299      | 07798746.9 |        |
| 2038849 | Deutsche Telekom AG   | 21/06/2007             | 2038849      | 07764396.3 | German |
| 2040680 | The University of Liverpool   | 29/06/2007             | 2040680      | 07786932.9 |        |
| 2041385 | CETA Elektromechanik GmbH   | 16/07/2007             | 2041385      | 07763746.0 | German |



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| 2043490 | BSH Hausgeräte GmbH   | 19/06/2007 | 2043490 | 07730241.2 | German |
| 2045525 | PANTAREI S.r.l.   | 01/10/2008 | 2045525 | 08425644.5 |        |
| 2045717 | Brother Kogyo Kabushiki Kaisha  | 06/10/2008 | 2045717 | 08017482.4 |        |
| 2050464 | MEDIMMUNE, INC.   | 21/12/1999 | 2050464 | 09001206.3 |        |
| 2052251 | Janssen Pharmaceutica NV  | 18/10/2006 | 2052251 | 06817172.7 |        |
| 2056948 | Semba Biosciences, Inc.   | 30/08/2007 | 2056948 | 07852396.6 |        |
| 2057796 | ORCKIT IP, LLC  | 19/06/2007 | 2057796 | 07736484.2 |        |
| 2062105 | ABB AG  | 21/08/2007 | 2062105 | 07801780.3 | German |
| 2064765 | Breton S.p.A.   | 17/04/2007 | 2064765 | 07736782.9 |        |
| 2068649 | Panzani   | 13/09/2007 | 2068649 | 07848225.4 | French |
| 2070241 | Nokia Technologies Oy   | 20/09/2007 | 2070241 | 07825156.8 |        |
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| 2071800 | Vodafone GmbH   | 11/12/2008 | 2071800 | 08171288.7 | German |
| 2087705 | InterDigital CE Patent Holdings   | 28/08/2007 | 2087705 | 07802959.2 |        |
| 2089811 | NCR Corporation   | 20/11/2007 | 2089811 | 07862151.3 |        |
| 2104267 | Exelis Inc.   | 09/03/2009 | 2104267 | 09154666.3 |        |
| 2104892 | Waterfall Security Solutions Ltd.   | 16/01/2008 | 2104892 | 08702651.4 |        |
| 2108463 | BASF Coatings GmbH  | 11/04/2008 | 2108463 | 08007233.3 | German |
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| 2117827 | E. I. du Pont de Nemours and Company  | 06/03/2008 | 2117827 | 08742026.1 |        |
| 2120881 | GLATT AIR TECHNIQUES, INC.  | 06/02/2008 | 2120881 | 08725289.6 |        |
| 2130082 | Pemberton, Charles Edward   | 29/01/2008 | 2130082 | 08713319.5 |        |
| 2133644 | China Petroleum & Chemical Corporation<br>Beijing Research Institute of Chemical Industry<br>China Petroleum & Chemical Corporation | 28/03/2008 | 2133644 | 08715068.6 |        |
| 2133966 | ABB Schweiz AG  | 09/06/2009 | 2133966 | 09162315.7 |        |
| 2134798 | BASF Coatings GmbH  | 22/01/2008 | 2134798 | 08707174.2 | German |
| 2135475 | QUALCOMM Incorporated   | 17/03/2008 | 2135475 | 08732379.6 |        |
| 2141426 | Valeo Systèmes Thermiques   | 02/07/2009 | 2141426 | 09164383.3 | French |
| 2144304 | Innolas Solutions GmbH  | 10/06/2009 | 2144304 | 09007712.4 | German |
| 2144323 | Valeo Klimasysteme GmbH   | 06/07/2009 | 2144323 | 09164650.5 |        |
| 2154721 | SEOUL SEMICONDUCTOR CO., LTD.   | 28/08/2003 | 2154721 | 09014623.4 |        |
| 2158125 | Airbus Operations GmbH  | 20/06/2008 | 2158125 | 08761264.4 |        |
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| 2158617 | LG Innotek Co., Ltd.   | 19/06/2008             | 2158617      | 08766441.3 |        |
| 2158779 | NEC Corporation  | 16/06/2008             | 2158779      | 08790558.4 |        |
| 2159808 | Showa Denko K.K.   | 20/05/2008             | 2159808      | 08752980.6 |        |
| 2160896 | Electronics and Telecommunications<br>Research Institute       | 19/06/2008             | 2160896      | 08766458.7 |        |
| 2162291 | manroland Goss web systems GmbH                                | 24/06/2008             | 2162291      | 08784534.3 | German |
| 2162733 | Oxford Instruments Nanotechnology<br>Tools Limited             | 20/06/2008             | 2162733      | 08762437.5 |        |
| 2163162 | PROBI AB   | 02/04/2004             | 2163162      | 09176668.3 |        |
| 2163707 | Flooring Industries Ltd.                                       | 12/01/2001             | 2163707      | 09075574.5 |        |
| 2167032 | Novo Nordisk A/S   | 12/06/2008             | 2167032      | 08774077.5 |        |
| 2168482 | F. Hoffmann-La Roche AG  | 10/10/2007             | 2168482      | 09179103.8 | German |
| 2169541 | Accenture Global Services Limited                              | 10/09/2009             | 2169541      | 09252151.7 |        |
| 2172225 | Takeda Pharmaceutical Company<br>Limited                       | 27/06/2008             | 2172225      | 08790686.3 |        |
| 2174366 | Blue Solutions   | 25/02/2008             | 2174366      | 08717076.7 | French |
| 2176092 | Volvo Lastvagnar AB  | 21/06/2007             | 2176092      | 07748272.7 |        |
| 2176945 | Illinois Tool Works Inc.                                       | 11/06/2008             | 2176945      | 08770645.3 |        |
| 2179621 | Telefonaktiebolaget LM Ericsson (publ)                         | 25/03/2008             | 2179621      | 08724271.5 |        |
| 2181852 | Fрати, Dante   | 27/09/2006             | 2181852      | 10154730.5 |        |
| 2184967 | Oreon Holding B.V.   | 15/08/2008             | 2184967      | 08803067.1 |        |
| 2189780 | Helmut Fischer GmbH Institut für<br>Elektronik und Messtechnik | 07/09/2009             | 2189780      | 09011436.4 | German |
| 2191438 | AGFA NV  | 10/06/2008             | 2191438      | 08760773.5 |        |
| 2193177 | Akzo Nobel Coatings International BV                           | 27/06/2008             | 2193177      | 08767257.2 |        |
| 2195063 | Medical Components, Inc.                                       | 17/09/2008             | 2195063      | 08832641.8 |        |
| 2195528 | Delta T, LLC   | 20/08/2008             | 2195528      | 08798241.9 |        |
| 2199162 | WABCO GmbH   | 13/10/2009             | 2199162      | 09012912.3 | German |
| 2203523 | DSM IP Assets B.V.   | 03/09/2008             | 2203523      | 08803579.5 |        |
| 2204891 | Robert Bosch GmbH  | 05/11/2009             | 2204891      | 09175074.5 | German |
| 2206551 | Corning Incorporated   | 23/12/2008             | 2206551      | 08306012.9 |        |
| 2209926 | Nucor Corporation  | 06/10/2008             | 2209926      | 08838499.5 |        |
| 2215103 | Akonni Biosystems  | 11/03/2008             | 2215103      | 08731876.2 |        |
| 2216418 | Nippon Steel Corporation                                       | 26/09/2008             | 2216418      | 08833372.9 |        |
| 2222485 | Continental Teves AG & Co. OHG                                 | 27/11/2008             | 2222485      | 08860001.0 | German |
| 2223145 | LG Innotek Co., Ltd.   | 28/11/2008             | 2223145      | 08854971.2 |        |
| 2228491 | Sumitomo Heavy Industries, LTD.                                | 26/12/2008             | 2228491      | 08865249.0 |        |
| 2231035 | Smith & Nephew, Inc.   | 15/02/2008             | 2231035      | 08729966.5 |        |

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|---------|--|------------|---------|------------|--------|
| 2231516 | Centre National de la Recherche Scientifique (C.N.R.S.)                  | 20/11/2008 | 2231516 | 08872468.7 | French |
| 2232175 | Hamilton Storage Technologies, Inc.                                      | 09/12/2008 | 2232175 | 08871364.9 |        |
| 2234262 | Mitsubishi Electric Corporation  | 10/01/2008 | 2234262 | 08703074.8 |        |
| 2234938 | Corning Incorporated   | 21/11/2008 | 2234938 | 08855986.9 |        |
| 2236635 | Mitsubishi Hitachi Power Systems, Ltd.                                   | 17/02/2010 | 2236635 | 10153772.8 |        |
| 2238504 | Dolby Laboratories Licensing Corporation                                 | 27/01/2009 | 2238504 | 09705348.2 |        |
| 2240869 | NTT DoCoMo, Inc.   | 02/02/2009 | 2240869 | 09708583.1 |        |
| 2241264 | Covidien LP  | 13/04/2010 | 2241264 | 10250763.9 |        |
| 2242576 | TOTAL RESEARCH & TECHNOLOGY FELUY  | 23/01/2009 | 2242576 | 09704538.9 |        |
| 2242622 | ABB AG   | 05/02/2009 | 2242622 | 09707654.1 | German |
| 2245850 | LEONARDO MW LTD  | 09/12/2008 | 2245850 | 08851586.1 |        |
| 2245869 | Alcatel-Lucent USA Inc.  | 17/01/2008 | 2245869 | 08700677.1 |        |
| 2248137 | Egston System Electronics Eggenburg GmbH                                 | 19/02/2009 | 2248137 | 09711706.3 | German |
| 2248354 | SIMO Holdings Inc.   | 10/02/2009 | 2248354 | 09715288.8 |        |
| 2256760 | Daikin Industries, Ltd.  | 17/03/2009 | 2256760 | 09722609.6 |        |
| 2256787 | Shin-Etsu Chemical Co., Ltd.   | 23/03/2009 | 2256787 | 09722529.6 |        |
| 2257444 | Eide, Tore   | 11/03/2009 | 2257444 | 09719789.1 |        |
| 2258120 | Sennheiser Electronic Corporation<br>Sennheiser electronic GmbH & Co. KG | 09/03/2009 | 2258120 | 09718111.9 |        |
| 2260062 | DSM IP Assets B.V.   | 01/04/2009 | 2260062 | 09729091.0 |        |
| 2261102 | COMPAGNIE PLASTIC OMNIUM   | 08/06/2010 | 2261102 | 10165284.0 | French |
| 2261130 | HILEX POLY CO. LLC   | 11/06/2010 | 2261130 | 10251073.2 |        |
| 2261755 | Canon Kabushiki Kaisha   | 10/06/2010 | 2261755 | 10165470.5 |        |
| 2261957 | SCREEN Holdings Co., Ltd.<br>IMEC VZW                                    | 10/06/2010 | 2261957 | 10006027.6 |        |
| 2262331 | Vodafone Holding GmbH  | 06/06/2007 | 2262331 | 10011931.2 | German |
| 2266549 | Vectura Limited  | 27/06/2001 | 2266549 | 10185471.9 |        |
| 2269408 | Qualcomm Incorporated  | 05/03/2009 | 2269408 | 09716724.1 |        |
| 2271995 | Callahan Cellular L.L.C.   | 27/04/2009 | 2271995 | 09734559.9 |        |
| 2272546 | BIOTRONIK AG   | 18/06/2010 | 2272546 | 10166496.9 | German |
| 2273179 | Soda-Club (CO2) AG   | 20/06/2003 | 2273179 | 10183372.1 |        |
| 2273570 | Nichia Corporation   | 03/09/2003 | 2273570 | 10174929.9 |        |
| 2273575 | Tridonic Jennersdorf GmbH  | 09/06/2004 | 2273575 | 10185808.2 | German |
| 2274628 | L-3 Communications Corporation   | 08/05/2009 | 2274628 | 09743737.0 |        |

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| 2275097 | GW Pharma Limited   | 03/02/2003             | 2275097      | 10180470.6 |        |
| 2275530 | F. Hoffmann-La Roche AG   | 07/11/2003             | 2275530      | 10176622.8 | German |
| 2277123 | F. Hoffmann-La Roche AG   | 28/04/2009             | 2277123      | 09738571.0 |        |
| 2277849 | Schülke & Mayr GmbH   | 09/06/2010             | 2277849      | 10165317.8 |        |
| 2278430 | LG ELECTRONICS INC.   | 16/06/2010             | 2278430      | 10166194.0 |        |
| 2279228 | BASF SE   | 06/05/2009             | 2279228      | 09745676.8 |        |
| 2279620 | Orange  | 07/04/2009             | 2279620      | 09742264.6 | French |
| 2280471 | Levitronix GmbH   | 15/06/2010             | 2280471      | 10165926.6 | German |
| 2281208 | The University Of Queensland  | 07/04/2009             | 2281208      | 09730186.5 |        |
| 2281338 | QUALCOMM Incorporated   | 20/03/2009             | 2281338      | 09721894.5 |        |
| 2281943 | Pandrol (Vortok) Limited  | 21/06/2010             | 2281943      | 10166639.4 |        |
| 2281972 | Välinge Innovation AB   | 21/10/2005             | 2281972      | 10181186.7 |        |
| 2281975 | Välinge Innovation AB   | 20/03/2003             | 2281975      | 10181676.7 |        |
| 2283671 | Telefonaktiebolaget LM Ericsson (publ)  | 03/06/2009             | 2283671      | 09758626.7 |        |
| 2283685 | Optis Cellular Technology, LLC  | 01/06/2009             | 2283685      | 09758620.0 |        |
| 2284884 | SEMIKRON Elektronik GmbH & Co.<br>KG  | 23/06/2010             | 2284884      | 10006521.8 | German |
| 2285265 | 7352867 Canada Inc.   | 27/05/2009             | 2285265      | 09753381.4 |        |
| 2291106 | BSH Hausgeräte GmbH   | 16/06/2009             | 2291106      | 09765845.4 | German |
| 2291488 | KiOR, Inc.  | 25/06/2009             | 2291488      | 09769312.1 |        |
| 2292079 | Tridonic GmbH & Co KG   | 05/06/2009             | 2292079      | 09757317.4 | German |
| 2292252 | Ferring B.V.  | 02/06/2004             | 2292252      | 10075419.1 |        |
| 2294739 | Mushroom Networks Inc.  | 24/06/2009             | 2294739      | 09798530.3 |        |
| 2294837 | InterDigital CE Patent Holdings   | 18/06/2008             | 2294837      | 08768586.3 |        |
| 2297662 | F. Hoffmann-La Roche AG   | 28/04/2009             | 2297662      | 09738570.2 |        |
| 2297865 | Maxim Integrated Products, Inc.   | 05/06/2009             | 2297865      | 09759583.9 |        |
| 2297993 | Koninklijke KPN N.V.<br>Nederlandse Organisatie voor<br>toegepast-natuurwetenschappelijk<br>onderzoek TNO | 16/06/2009             | 2297993      | 09776754.5 |        |
| 2298599 | VALEO VISION  | 31/08/2010             | 2298599      | 10174582.6 | French |
| 2300396 | TOTAL RESEARCH &<br>TECHNOLOGY FELUY  | 24/06/2009             | 2300396      | 09769283.4 |        |
| 2300638 | AB Volvo Penta  | 25/06/2008             | 2300638      | 08767082.4 |        |
| 2300862 | Opticis Co., Ltd.   | 16/07/2009             | 2300862      | 09798121.1 |        |
| 2302553 | Nokia Technologies Oy   | 16/10/2002             | 2302553      | 10185523.7 |        |
| 2303175 | Civco Medical Instruments Co., Inc.   | 12/06/2009             | 2303175      | 09767521.9 |        |

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| 2303806 | TOTAL RESEARCH &<br>TECHNOLOGY FELUY  | 24/06/2009 | 2303806 | 09769284.2 |        |
| 2303807 | TOTAL RESEARCH &<br>TECHNOLOGY FELUY  | 24/06/2009 | 2303807 | 09769285.9 |        |
| 2304001 | Shell Internationale Research<br>Maatschappij B.V.  | 30/06/2009 | 2304001 | 09772461.1 |        |
| 2304239 | Edwards Limited   | 02/06/2009 | 2304239 | 09757798.5 |        |
| 2309713 | HP Printing Korea Co., Ltd.   | 13/09/2010 | 2309713 | 10176437.1 |        |
| 2310543 | thyssenkrupp Rothe Erde GmbH<br>EFD Induction GmbH  | 26/06/2009 | 2310543 | 09776843.6 | German |
| 2312177 | NTN Corporation   | 30/06/2009 | 2312177 | 09802814.5 |        |
| 2312226 | Fujitsu General Limited   | 28/09/2010 | 2312226 | 10180517.4 |        |
| 2313057 | Biofarma S.p.A.   | 25/06/2009 | 2313057 | 09769330.3 |        |
| 2319199 | Nokia Technologies Oy   | 28/08/2009 | 2319199 | 09810221.3 |        |
| 2320669 | LG Electronics Inc.   | 10/06/2009 | 2320669 | 09845853.2 |        |
| 2321901 | Telefonaktiebolaget LM Ericsson (publ)  | 01/09/2008 | 2321901 | 08813476.2 |        |
| 2324209 | Stein Seal Company  | 31/07/2009 | 2324209 | 09813411.7 |        |
| 2324326 | Deutsche Telekom AG   | 07/09/2009 | 2324326 | 09778369.0 | German |
| 2325479 | Ingeteam Power Technology, S.A.   | 24/06/2009 | 2325479 | 09769386.5 |        |
| 2328983 | Eastman Chemical Company  | 15/09/2009 | 2328983 | 09789309.3 |        |
| 2329210 | L'AIR LIQUIDE, Société Anonyme<br>pour l'Etude et l'Exploitation des<br>Procédés Georges Claude | 28/08/2009 | 2329210 | 09809296.8 | German |
| 2334282 | LvmH Recherche  | 09/09/2009 | 2334282 | 09782834.7 |        |
| 2335753 | DEKA Products Limited Partnership   | 23/01/2009 | 2335753 | 10192384.5 |        |
| 2336264 | Honeywell International Inc.  | 26/06/2006 | 2336264 | 10014887.3 |        |
| 2337503 | Smith & Nephew, Inc.  | 18/08/2009 | 2337503 | 09791605.0 |        |
| 2339450 | Canon Kabushiki Kaisha  | 22/12/2010 | 2339450 | 10196644.8 |        |
| 2339576 | Google LLC  | 10/06/2010 | 2339576 | 10165480.4 |        |
| 2346858 | Merck Sharp & Dohme Corp.   | 09/10/2009 | 2346858 | 09749235.9 |        |
| 2347274 | Koninklijke Philips N.V.  | 02/11/2009 | 2347274 | 09756846.3 |        |
| 2349430 | Urethro Tech Ltd.   | 28/10/2009 | 2349430 | 09760281.7 |        |
| 2352143 | Panasonic Intellectual Property<br>Management Co., Ltd.   | 24/11/2009 | 2352143 | 09828819.4 |        |
| 2358830 | Hewlett-Packard Development<br>Company, L.P.  | 18/12/2008 | 2358830 | 08879027.4 |        |
| 2365532 | Hitachi, Ltd.   | 29/04/2010 | 2365532 | 10161517.7 |        |
| 2366004 | The Lubrizol Corporation  | 23/11/2009 | 2366004 | 09756932.1 |        |

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| 2369545 | Nokia Technologies Oy                     | 07/05/2003             | 2369545      | 11170659.4 |        |
| 2370561 | EMD Millipore Corporation                 | 08/12/2009             | 2370561      | 09835506.8 |        |
| 2371016 | Merck Patent GmbH                         | 26/11/2009             | 2371016      | 09759687.8 | German |
| 2371361 | Genzyme Corporation                       | 30/07/2002             | 2371361      | 10184509.7 |        |
| 2372313 | NTN Corporation                           | 22/12/2009             | 2372313      | 09834415.3 |        |
|         | NTN-SNR Roulements                        |                        |              |            |        |
| 2373094 | Sharp Kabushiki Kaisha                    | 09/11/2009             | 2373094      | 09834284.3 |        |
| 2376776 | wind-direct GmbH                          | 16/12/2009             | 2376776      | 09807491.7 | German |
| 2377376 | ATOTECH Deutschland GmbH                  | 07/10/2009             | 2377376      | 09783824.7 |        |
| 2377643 | Mazzocchitti, Dino                        | 15/04/2011             | 2377643      | 11425107.7 |        |
| 2379944 | Ansaldo Energia S.p.A.                    | 06/02/2009             | 2379944      | 09833087.1 |        |
| 2380662 | SK Chemicals Co., Ltd.                    | 24/12/2009             | 2380662      | 09836347.6 |        |
| 2381330 | VALEO SYSTEMES THERMIQUES                 | 20/04/2011             | 2381330      | 11163180.0 | French |
| 2382813 | LG Electronics Inc.                       | 28/01/2010             | 2382813      | 10736016.6 |        |
| 2383204 | Dongguan Yixin Magnetic Disk Co.,<br>Ltd  | 19/06/2009             | 2383204      | 09834017.7 |        |
| 2384818 | Krones AG                                 | 23/03/2011             | 2384818      | 11159412.3 | German |
| 2385889 | 3M Innovative Properties Company          | 01/12/2009             | 2385889      | 09836639.6 |        |
| 2386442 | Parkhouse Country Estates Limited         | 10/05/2011             | 2386442      | 11165579.1 |        |
| 2386813 | Candy S.p.A.                              | 09/05/2011             | 2386813      | 11165261.6 |        |
| 2387147 | LG Electronics, Inc.                      | 21/04/2011             | 2387147      | 11163483.8 |        |
| 2388278 | San-Ei Gen F.F.I., INC.                   | 12/01/2010             | 2388278      | 10731239.9 |        |
| 2388843 | Samsung Display Co., Ltd.                 | 17/05/2011             | 2388843      | 11166396.9 |        |
| 2390623 | Roadscanners Holding Oy                   | 24/05/2011             | 2390623      | 11167195.4 |        |
| 2390636 | Honeywell International Inc.              | 16/05/2011             | 2390636      | 11166288.8 |        |
| 2391063 | Comcast Cable Communications, LLC         | 20/05/2011             | 2391063      | 11166997.4 |        |
| 2391878 | Continental Automotive GmbH               | 01/02/2010             | 2391878      | 10702861.5 | German |
| 2393000 | LG ELECTRONICS INC.                       | 01/06/2011             | 2393000      | 11004514.3 |        |
| 2393342 | Picariello, Michel                        | 04/06/2010             | 2393342      | 10290301.0 | French |
| 2394345 | Auckland UniServices Limited              | 05/02/2010             | 2394345      | 10738795.3 |        |
| 2394502 | CLAAS Industrietechnik GmbH               | 29/10/2010             | 2394502      | 10189346.9 | German |
| 2395314 | Lifeport, Inc.                            | 09/06/2011             | 2395314      | 11169306.5 |        |
| 2395390 | LG Innotek Co., Ltd.                      | 10/06/2011             | 2395390      | 11169626.6 |        |
| 2395652 | Rockwell Automation Technologies,<br>Inc. | 15/04/2011             | 2395652      | 11162626.3 |        |
| 2395677 | LG Electronics Inc.                       | 09/02/2010             | 2395677      | 10738785.4 |        |

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| 2395780 | Koninklijke KPN N.V.<br>Nederlandse Organisatie voor<br>toegepast- natuurwetenschappelijk<br>onderzoek TNO | 10/06/2011 | 2395780 | 11169460.0 |        |
| 2396274 | Cirrus Logic International<br>Semiconductor Limited  | 12/02/2010 | 2396274 | 10704182.4 |        |
| 2396902 | Analog Devices Global Unlimited<br>Company   | 10/02/2010 | 2396902 | 10711854.9 |        |
| 2397173 | Becton, Dickinson and Company  | 16/06/2011 | 2397173 | 11170077.9 |        |
| 2397229 | Fenwal, Inc.   | 15/06/2011 | 2397229 | 11004873.3 |        |
| 2397406 | Airbus Defence and Space SA  | 14/06/2010 | 2397406 | 10382172.4 |        |
| 2397936 | LG Electronics Inc.  | 07/06/2011 | 2397936 | 11004634.9 |        |
| 2398077 | DOWA Electronics Materials Co., Ltd.   | 08/02/2010 | 2398077 | 10741061.5 |        |
| 2398213 | BlackBerry Limited   | 17/06/2010 | 2398213 | 10166285.6 |        |
| 2399771 | EnBW Energie Baden-Württemberg<br>AG   | 03/05/2011 | 2399771 | 11164548.7 | German |
| 2400136 | TOYOTA JIDOSHA KABUSHIKI<br>KAISHA   | 18/02/2009 | 2400136 | 09840326.4 |        |
| 2400425 | BlackBerry Limited   | 25/06/2010 | 2400425 | 10167427.3 |        |
| 2401912 | Panasonic Intellectual Property<br>Management Co., Ltd.  | 18/02/2010 | 2401912 | 10746133.7 |        |
| 2402670 | HOCHIKI CORPORATION  | 19/01/2009 | 2402670 | 09838318.5 |        |
| 2402835 | Byd Company Limited  | 28/06/2011 | 2402835 | 11171645.2 |        |
| 2402887 | CANON KABUSHIKI KAISHA   | 27/06/2011 | 2402887 | 11171440.8 |        |
| 2403490 | MannKind Corporation   | 04/03/2010 | 2403490 | 10706467.7 |        |
| 2403930 | The Lubrizol Corporation   | 01/03/2010 | 2403930 | 10706126.9 |        |
| 2404100 | Sidel S.p.A.   | 04/03/2009 | 2404100 | 09779109.9 |        |
| 2404538 | Electrolux Home Products Corporation<br>N.V.   | 19/06/2010 | 2404538 | 10006384.1 |        |
| 2404855 | Murata Machinery, Ltd.   | 22/06/2011 | 2404855 | 11171020.8 |        |
| 2404969 | Mitsubishi Engineering- Plastics<br>Corporation  | 23/02/2010 | 2404969 | 10748639.1 |        |
| 2406257 | Megafine Pharma (P) Ltd.   | 31/08/2009 | 2406257 | 09841392.5 |        |
| 2407445 | Nippon Shokubai Co., Ltd.  | 09/03/2009 | 2407445 | 09841436.0 |        |
| 2409170 | Koninklijke Philips N.V.   | 18/03/2010 | 2409170 | 10711467.0 |        |
| 2409386 | Robert Bosch GmbH  | 21/01/2010 | 2409386 | 10701843.4 | German |
| 2414268 | Otis Elevator Company  | 31/03/2009 | 2414268 | 09842805.5 |        |
| 2416351 | SPP Technologies Co., Ltd.   | 10/12/2009 | 2416351 | 09842709.9 |        |

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| 2419144 | Oxford University Innovation Limited                | 15/04/2010             | 2419144      | 10714058.4 |        |
| 2419385 | Bioprocess Control Sweden AB                        | 01/04/2010             | 2419385      | 10764736.4 |        |
| 2419809 | Wyse Technology L.L.C.                              | 05/04/2010             | 2419809      | 10764913.9 |        |
| 2424743 | Volkswagen Aktiengesellschaft                       | 28/04/2010             | 2424743      | 10718559.7 | German |
| 2426617 | Hüffer, Wolfgang<br>Wiese, Timo                     | 23/08/2011             | 2426617      | 11178376.7 | German |
| 2427698 | Bry-Air (Asia) Pvt. Ltd.                            | 30/04/2010             | 2427698      | 10734339.4 |        |
| 2429222 | ZTE Corporation                                     | 21/08/2009             | 2429222      | 09845696.5 |        |
| 2433395 | Cisco Technology, Inc.                              | 18/05/2010             | 2433395      | 10778267.4 |        |
| 2433665 | Boehringer Ingelheim Pharma GmbH &<br>Co. KG        | 11/03/2009             | 2433665      | 11194615.8 | German |
| 2434276 | Symplex Vision Systems GmbH                         | 26/09/2011             | 2434276      | 11007816.9 | German |
| 2434295 | Robert Bosch GmbH                                   | 22/06/2011             | 2434295      | 11170870.7 | German |
| 2435191 | TOYOTA JIDOSHA KABUSHIKI<br>KAISHA                  | 20/05/2010             | 2435191      | 10725861.8 |        |
| 2435611 | LG Electronics Inc.                                 | 27/05/2010             | 2435611      | 10780806.5 |        |
| 2436202 | Nokia Solutions and Networks Oy                     | 29/05/2009             | 2436202      | 09779590.0 |        |
| 2436228 | InterDigital CE Patent Holdings                     | 25/05/2010             | 2436228      | 10723988.1 |        |
| 2437140 | BlackBerry Limited                                  | 17/09/2010             | 2437140      | 10177483.4 |        |
| 2439881 | ZTE Corporation                                     | 07/06/2010             | 2439881      | 10796693.9 |        |
| 2440186 | MannKind Corporation                                | 11/06/2010             | 2440186      | 10724973.2 |        |
| 2440372 | Atlas Copco Industrial Technique AB                 | 11/06/2010             | 2440372      | 10786464.7 |        |
| 2440985 | Microchip Technology Incorporated                   | 09/06/2010             | 2440985      | 10728063.8 |        |
| 2441135 | COMMSCOPE INC. OF NORTH<br>CAROLINA                 | 10/06/2010             | 2441135      | 10724969.0 |        |
| 2441303 | T-Mobile USA, Inc.                                  | 14/05/2010             | 2441303      | 10775643.9 |        |
| 2442460 | ViaSat, Inc.  | 04/04/2011             | 2442460      | 11002789.3 |        |
| 2442928 | Nucor Corporation                                   | 16/06/2010             | 2442928      | 10788499.1 |        |
| 2443204 | Ceramisphere PTY Limited<br>AIRBUS (SAS)            | 11/06/2010             | 2443204      | 10725149.8 |        |
| 2443488 | LG Display Co., Ltd.                                | 17/06/2010             | 2443488      | 10789741.5 |        |
| 2443645 | Bruker Nano GmbH                                    | 15/06/2010             | 2443645      | 10735220.5 | German |
| 2443760 | Cohda Wireless Pty Ltd                              | 18/06/2010             | 2443760      | 10788515.4 |        |
| 2443980 | Unicharm Corporation                                | 18/06/2010             | 2443980      | 10789582.3 |        |
| 2444383 | Daicel Corporation                                  | 14/05/2010             | 2444383      | 10777699.9 |        |
| 2444712 | Daewoo Shipbuilding&Marine<br>Engineering Co., Ltd. | 19/06/2008             | 2444712      | 11009863.9 |        |



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| 2445098 | STMicroelectronics Srl   | 21/10/2011 | 2445098 | 11186057.3 |        |
| 2445339 | Diffusion Pharmaceuticals LLC                                  | 22/06/2010 | 2445339 | 10792444.1 |        |
| 2446129 | Garrett Transportation I Inc.                                  | 18/06/2010 | 2446129 | 10797529.4 |        |
| 2447592 | Daewoo Shipbuilding & Marine Engineering Co., Ltd.             | 19/06/2008 | 2447592 | 12000492.4 |        |
| 2447777 | ASML Netherlands BV  | 23/09/2011 | 2447777 | 11182583.2 |        |
| 2448332 | Huawei Technologies Co., Ltd.                                  | 21/06/2010 | 2448332 | 10791514.2 |        |
| 2448434 | Philip Morris Products S.A.                                    | 29/06/2010 | 2448434 | 10802629.5 |        |
| 2448493 | Palodex Group Oy   | 23/06/2010 | 2448493 | 10793667.6 |        |
| 2448648 | Liquidstrip Limited  | 01/07/2010 | 2448648 | 10794422.5 |        |
| 2448708 | Lincoln Global, Inc.   | 29/06/2010 | 2448708 | 10742565.4 |        |
| 2449145 | Hydro Aluminium Rolled Products GmbH                           | 21/05/2010 | 2449145 | 10723562.4 | German |
| 2449320 | Meinhardt, Dirk  | 26/06/2010 | 2449320 | 10743009.2 | German |
| 2449453 | Nokia Technologies Oy  | 29/06/2009 | 2449453 | 09846734.3 |        |
| 2449592 | Beijing Xiaomi Mobile Software Co., Ltd.                       | 25/06/2010 | 2449592 | 10734321.2 |        |
| 2449797 | Sonova AG  | 30/06/2009 | 2449797 | 09723338.1 |        |
| 2451180 | Samsung Electronics Co., Ltd.                                  | 12/10/2011 | 2451180 | 11184866.9 |        |
| 2451905 | Commissariat à l'Énergie Atomique et aux Énergies Alternatives | 08/07/2010 | 2451905 | 10728717.9 | French |
| 2453570 | Ricoh Company, Ltd.  | 03/11/2011 | 2453570 | 11187749.4 |        |
| 2456067 | Steering Solutions IP Holding Corporation                      | 22/11/2011 | 2456067 | 11009234.3 |        |
| 2456996 | Anvis SD France SAS  | 15/06/2010 | 2456996 | 10725616.6 | French |
| 2457089 | Tel HaShomer Medical Research Infrastructure and Services Ltd. | 21/07/2010 | 2457089 | 10747679.8 |        |
| 2458031 | Henkel AG & Co. KGaA   | 30/06/2010 | 2458031 | 10794208.8 |        |
| 2458309 | LICONIC AG   | 21/11/2011 | 2458309 | 11009209.5 | German |
| 2458484 | STMicroelectronics (Research & Development) Limited            | 15/11/2011 | 2458484 | 11189254.3 |        |
| 2458618 | Tokyo Electron Limited   | 23/11/2011 | 2458618 | 11009280.6 |        |
| 2458783 | ZTE Corporation  | 12/04/2010 | 2458783 | 10801873.0 |        |
| 2462506 | NEC Corporation  | 16/08/2010 | 2462506 | 10748051.9 |        |
| 2466760 | ZTE Corporation  | 09/06/2010 | 2466760 | 10807913.8 |        |
| 2467180 | Becton Dickinson France Sas                                    | 20/08/2010 | 2467180 | 10747764.8 |        |

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| 2467664 | Carrier Corporation   | 16/08/2010             | 2467664      | 10810444.9 |        |
| 2467928 | Schneider Electric IT Corporation   | 16/08/2010             | 2467928      | 10744828.4 |        |
| 2469765 | ZTE Corporation   | 29/06/2010             | 2469765      | 10791594.4 |        |
| 2469801 | Brother Kogyo Kabushiki Kaisha  | 19/12/2011             | 2469801      | 11194355.1 |        |
| 2469953 | ZTE Corporation   | 29/06/2010             | 2469953      | 10809517.5 |        |
| 2471127 | Energizer Brands, LLC   | 26/08/2010             | 2471127      | 10812433.0 |        |
| 2472416 | ZTE Corporation   | 03/06/2010             | 2472416      | 10818302.1 |        |
| 2475179 | Nintendo Co., Ltd.  | 10/05/2011             | 2475179      | 11165477.8 |        |
| 2476882 | Hamilton Sundstrand Corporation   | 30/12/2011             | 2476882      | 11196219.7 |        |
| 2478202 | GKN Aerospace Sweden AB   | 17/09/2009             | 2478202      | 09849593.0 |        |
| 2478232 | Illinois Tool Works Inc.  | 04/06/2010             | 2478232      | 10816505.1 |        |
| 2478310 | SSW Holding Company, LLC  | 14/09/2010             | 2478310      | 10757348.7 |        |
| 2479493 | Exploitation Energetique de Sous Produits Industriels et Agricoles - Exedia                             | 23/01/2012             | 2479493      | 12152189.2 | French |
| 2480410 | AGC Glass Europe  | 21/09/2010             | 2480410      | 10755181.4 | French |
| 2480603 | Union Carbide Chemicals & Plastics Technology LLC   | 08/09/2010             | 2480603      | 10760168.4 |        |
| 2481335 | BSH Hausgeräte GmbH   | 10/01/2012             | 2481335      | 12150639.8 | German |
| 2483050 | Gr8 Engineering Limited   | 30/09/2010             | 2483050      | 10759905.2 |        |
| 2483803 | Cisco Technology, Inc.  | 29/09/2010             | 2483803      | 10770664.0 |        |
| 2485785 | CircuLite, Inc.   | 08/09/2010             | 2485785      | 10822399.1 |        |
| 2486519 | Rochet, Jean-Luc  | 06/10/2009             | 2486519      | 09760710.5 |        |
| 2486655 | Commissariat à l'Énergie Atomique et aux Énergies Alternatives  | 04/10/2010             | 2486655      | 10760693.1 | French |
| 2486837 | BSH Hausgeräte GmbH   | 25/01/2012             | 2486837      | 12152384.9 | German |
| 2487956 | ZTE Corporation   | 02/06/2010             | 2487956      | 10788852.1 |        |
| 2489135 | Qualcomm Incorporated   | 13/10/2010             | 2489135      | 10773451.9 |        |
| 2489749 | Japan Science and Technology Agency   | 13/10/2010             | 2489749      | 10823420.4 |        |
| 2489878 | Kawasaki Jukogyo Kabushiki Kaisha   | 29/09/2010             | 2489878      | 10823169.7 |        |
| 2490353 | NEC Corporation   | 23/08/2010             | 2490353      | 10823249.7 |        |
| 2493210 | Bose Corporation  | 16/08/2010             | 2493210      | 12156119.5 |        |
| 2493666 | Harris II, John Robert  | 27/10/2010             | 2493666      | 10828915.8 |        |
| 2495670 | Hughes Network Systems, LLC   | 29/11/2011             | 2495670      | 11191134.3 |        |

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| 2497545 | Nintendo Co., Ltd.   | 27/10/2011 | 2497545 | 11186933.5 |        |
| 2497625 | IHI Corporation<br>IHI Aerospace Co., Ltd.   | 05/11/2010 | 2497625 | 10828337.5 |        |
| 2499778 | Microsoft Technology Licensing, LLC  | 28/10/2010 | 2499778 | 10830474.2 |        |
| 2501786 | RV Lizenz AG   | 19/11/2010 | 2501786 | 10777041.4 | German |
| 2502861 | Voith Patent GmbH  | 15/03/2012 | 2502861 | 12159574.8 | German |
| 2504812 | Cadens Medical Imaging Inc.  | 27/11/2009 | 2504812 | 09851555.4 |        |
| 2506433 | Thine Electronics, Inc.  | 02/06/2011 | 2506433 | 11814362.7 |        |
| 2507927 | Xieon Networks S.à r.l.  | 02/12/2010 | 2507927 | 10794925.7 |        |
| 2508495 | EPG (Engineered nanoProducts<br>Germany) AG  | 05/09/2008 | 2508495 | 12172257.3 | German |
| 2508778 | Robert Bosch GmbH  | 01/02/2012 | 2508778 | 12153408.5 | German |
| 2508891 | Hitachi High-Technologies Corporation  | 19/11/2010 | 2508891 | 10834501.8 |        |
| 2509047 | HP Printing Korea Co., Ltd.  | 15/11/2011 | 2509047 | 11189134.7 |        |
| 2509271 | NEC Corporation  | 01/12/2010 | 2509271 | 10834569.5 |        |
| 2509519 | Covidien LP  | 09/12/2010 | 2509519 | 10796232.6 |        |
| 2510074 | INVISTA Textiles (U.K.) Limited  | 10/12/2010 | 2510074 | 10836752.5 |        |
| 2510085 | Fresenius Medical Care Deutschland<br>GmbH   | 07/12/2010 | 2510085 | 10788321.7 |        |
| 2510160 | CQMS Pty Ltd   | 19/11/2010 | 2510160 | 10835283.2 |        |
| 2510984 | Minimax GmbH & Co. KG  | 07/02/2012 | 2510984 | 12154264.1 | German |
| 2511709 | Hitachi High-Technologies Corporation  | 26/11/2010 | 2511709 | 10835841.7 |        |
| 2512449 | The University of British Columbia<br>Arbutus Biopharma Corporation  | 17/12/2010 | 2512449 | 10838298.7 |        |
| 2512540 | Incept, LLC  | 15/12/2010 | 2512540 | 10842525.7 |        |
| 2512796 | DSM IP Assets B.V.   | 16/12/2010 | 2512796 | 10793246.9 |        |
| 2513272 | The Lubrizol Corporation   | 10/12/2010 | 2513272 | 10795162.6 |        |
| 2513390 | Manos, Giorgios<br>Katakalos, Konstantinos<br>Kourtidis, Vladimiros<br>Aristotle University Of Thessaloniki-<br>Research Committee | 13/12/2010 | 2513390 | 10805480.0 |        |
| 2513697 | Carl Zeiss SMT GmbH  | 03/12/2010 | 2513697 | 10792877.2 |        |
| 2513833 | Microsoft Technology Licensing, LLC  | 18/11/2010 | 2513833 | 10841444.2 |        |
| 2516755 | Sandvik Mining and Construction Oy   | 20/12/2010 | 2516755 | 10838750.7 |        |
| 2517365 | Orange   | 14/12/2010 | 2517365 | 10809016.8 | French |
| 2518296 | United Technologies Corporation  | 27/04/2012 | 2518296 | 12166084.9 |        |
| 2518346 | Aktiebolaget SKF   | 20/04/2012 | 2518346 | 12165005.5 | German |

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| 2519426 | KEY SAFETY SYSTEMS, INC.  | 21/12/2010             | 2519426      | 10803317.6 |        |
| 2520763 | Rafael Advanced Defense Systems Ltd.                                      | 03/05/2012             | 2520763      | 12166620.0 |        |
| 2522504 | Selig Sealing Products, Inc.  | 10/05/2012             | 2522504      | 12275065.6 |        |
| 2523366 | Electronics and Telecommunications<br>Research Institute                  | 06/01/2011             | 2523366      | 11731935.0 |        |
| 2523534 | Ledengin, Inc.  | 28/04/2012             | 2523534      | 12166091.4 |        |
| 2524303 | ARM Limited   | 16/02/2011             | 2524303      | 11705237.3 |        |
| 2525107 | Henning GmbH & Co. KG   | 18/05/2012             | 2525107      | 12168531.7 | German |
| 2525168 | MITSUBISHI HEAVY INDUSTRIES<br>THERMAL SYSTEMS, LTD.                      | 14/05/2012             | 2525168      | 12167898.1 |        |
| 2526014 | The University Of Exeter  | 18/01/2011             | 2526014      | 11703043.7 |        |
| 2527751 | Mitsubishi Electric Corporation   | 19/01/2010             | 2527751      | 10843803.7 |        |
| 2528003 | Cane' S.p.A.  | 12/03/2012             | 2528003      | 12158977.4 |        |
| 2529395 | MacDermid Acumen, Inc.  | 10/11/2010             | 2529395      | 10844919.0 |        |
| 2529412 | (CNBM) Bengbu Design & Research<br>Institute for Glass Industry Co., Ltd. | 27/01/2011             | 2529412      | 11702417.4 | German |
| 2529483 | E.G.O. ELEKTRO-GERÄTEBAU<br>GmbH  | 24/01/2011             | 2529483      | 11700683.3 | German |
| 2529565 | Telefonaktiebolaget LM Ericsson (publ)                                    | 14/06/2010             | 2529565      | 10727378.1 |        |
| 2530438 | BERKIN B.V.   | 01/06/2012             | 2530438      | 12170442.3 |        |
| 2532553 | LEINA-WERKE GmbH  | 06/06/2012             | 2532553      | 12004325.2 | German |
| 2533513 | Canon Kabushiki Kaisha  | 01/06/2012             | 2533513      | 12004226.2 |        |
| 2533705 | Ethicon LLC   | 09/02/2011             | 2533705      | 11706383.4 |        |
| 2535512 | General Electric Company  | 15/06/2012             | 2535512      | 12172283.9 |        |
| 2535728 | Lucas Automotive GmbH   | 15/06/2011             | 2535728      | 11004904.6 |        |
| 2535738 | Airbus Defence and Space GmbH   | 15/06/2011             | 2535738      | 11004867.5 |        |
| 2535787 | Deutsche Telekom AG   | 08/06/2012             | 2535787      | 12004355.9 |        |
| 2535878 | Rheavendors Industries SpA  | 14/06/2012             | 2535878      | 12171962.9 |        |
| 2536121 | Sharp Kabushiki Kaisha  | 13/06/2012             | 2536121      | 12004456.5 |        |
| 2536953 | Edwards Limited   | 25/01/2011             | 2536953      | 11745022.1 |        |
| 2537864 | Laboratoire Français du Fractionnement<br>et des Biotechnologies          | 24/06/2011             | 2537864      | 11305811.9 |        |
| 2537946 | Nippon Steel Corporation  | 18/02/2011             | 2537946      | 11744741.7 |        |
| 2538529 | Rolls-Royce plc   | 18/06/2012             | 2538529      | 12172351.4 |        |
| 2538640 | NEC Corporation   | 26/01/2011             | 2538640      | 11742148.7 |        |
| 2538688 | LG Electronics Inc.   | 18/06/2012             | 2538688      | 12172498.3 |        |
| 2538869 | 3Shape A/S  | 24/02/2011             | 2538869      | 11746886.8 |        |

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| 2539235 | Reflex Packaging, Inc.  | 17/02/2011 | 2539235 | 11706992.2 |        |
| 2539593 | Scania CV AB  | 15/02/2011 | 2539593 | 11747790.1 |        |
| 2539682 | Pegasor OY  | 24/02/2011 | 2539682 | 11746910.6 |        |
| 2541042 | Hitachi Automotive Systems, Ltd.  | 28/06/2012 | 2541042 | 12173993.2 |        |
| 2541386 | Vestel Elektronik Sanayi ve Ticaret<br>A.S.   | 05/06/2012 | 2541386 | 12170879.6 |        |
| 2541788 | Avago Technologies International Sales<br>Pte. Limited  | 26/06/2012 | 2541788 | 12004783.2 |        |
| 2541956 | NBCUniversal Media, LLC   | 28/06/2012 | 2541956 | 12174163.1 |        |
| 2543177 | Visteon Global Technologies, Inc.   | 01/03/2011 | 2543177 | 11708154.7 |        |
| 2543787 | Hellermannntyton  | 28/06/2012 | 2543787 | 12174164.9 | French |
| 2543804 | MACO Technologie GmbH   | 21/06/2012 | 2543804 | 12173016.2 | German |
| 2546725 | Microchip Technology Incorporated   | 02/05/2008 | 2546725 | 12188255.9 |        |
| 2548295 | Tridonic AG   | 21/03/2011 | 2548295 | 11709403.7 | German |
| 2548768 | Audi AG   | 12/06/2012 | 2548768 | 12004403.7 | German |
| 2550427 | Schlumberger Technology B.V.  | 11/04/2011 | 2550427 | 11769377.0 |        |
| 2550436 | Echogen Power Systems LLC   | 22/03/2011 | 2550436 | 11760095.7 |        |
| 2551852 | NEC Platforms, Ltd.   | 03/03/2011 | 2551852 | 11759171.9 |        |
| 2553276 | Hydac AG  | 22/03/2011 | 2553276 | 11711450.4 | German |
| 2553384 | Beissbarth GmbH   | 22/02/2011 | 2553384 | 11704786.0 | German |
| 2554437 | Furukawa Electric Co., Ltd.<br>Furukawa Automotive Systems Inc.                                       | 25/03/2011 | 2554437 | 11762703.4 |        |
| 2554528 | Central Glass Company, Limited  | 04/03/2011 | 2554528 | 11762478.3 |        |
| 2554779 | Halliburton Energy Services Inc.  | 02/08/2012 | 2554779 | 12178983.8 |        |
| 2555103 | Sony Corporation  | 21/06/2012 | 2555103 | 12172995.8 |        |
| 2555376 | Panasonic Intellectual Property<br>Management Co., Ltd.   | 29/03/2011 | 2555376 | 11762250.6 |        |
| 2555813 | Neomend, Inc.   | 05/04/2011 | 2555813 | 11766590.1 |        |
| 2557034 | Hamilton Sundstrand Corporation   | 09/08/2012 | 2557034 | 12179968.8 |        |
| 2561268 | Lumileds Holding B.V.   | 12/04/2011 | 2561268 | 11722530.0 |        |
| 2563545 | Bayerische Motoren Werke<br>Aktiengesellschaft  | 23/02/2011 | 2563545 | 11706475.8 | German |
| 2563821 | Borealis AG   | 27/04/2011 | 2563821 | 11718333.5 |        |
| 2564356 | Universite De Rennes 1<br>INRIA - Institut National de Recherche<br>en Informatique et en Automatique | 26/04/2011 | 2564356 | 11725130.6 | French |
| 2566938 | SK Innovation Co., Ltd.   | 02/11/2010 | 2566938 | 10851096.7 |        |
| 2567258 | EOS Imaging   | 06/05/2010 | 2567258 | 10776130.6 |        |

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| 2568229 | FläktGroup Deutschland GmbH  | 02/06/2012             | 2568229      | 12004232.0 | German |
| 2568374 | LG Electronics Inc.  | 13/06/2012             | 2568374      | 12004457.3 |        |
| 2569605 | Rosemount Inc.   | 09/05/2011             | 2569605      | 11722230.7 |        |
| 2570139 | Yasukawa, Tsutomu  | 10/05/2011             | 2570139      | 11780621.6 |        |
| 2570365 | FUKUMARU CO., LTD.   | 23/04/2011             | 2570365      | 11780494.8 |        |
| 2571157 | CG Drives & Automation Sweden AB   | 19/09/2011             | 2571157      | 11181804.3 |        |
| 2571666 | Bundesdruckerei GmbH   | 17/05/2011             | 2571666      | 11721753.9 | German |
| 2571696 | Hewlett-Packard Development<br>Company, L.P.   | 31/01/2011             | 2571696      | 11783885.4 |        |
| 2576330 | Lockheed Martin Corporation  | 27/05/2011             | 2576330      | 11724891.4 |        |
| 2576333 | National Oilwell Varco Denmark I/S   | 06/06/2011             | 2576333      | 11789284.4 |        |
| 2576390 | British American Tobacco<br>(Investments) Limited  | 17/05/2011             | 2576390      | 11719838.2 |        |
| 2577007 | Hans Jensen Lubricators A/S  | 03/06/2011             | 2577007      | 11730177.0 |        |
| 2577449 | Cisco Technology, Inc.   | 24/05/2011             | 2577449      | 11787280.4 |        |
| 2577840 | Chang, Tsun-Yu<br>Chang, Chun-Chieh  | 07/04/2011             | 2577840      | 11787063.4 |        |
| 2578057 | Watlow Electric Manufacturing<br>Company   | 03/06/2011             | 2578057      | 11725586.9 |        |
| 2578209 | Universidade Federal De Ouro Preto<br>Empresa Brasileira De Pesquisa<br>Agropecuária - Embrapa<br>Fundação De Amparo À Pesquisa Do<br>Estado De Minas Gerais - FAPEMIG | 01/06/2011             | 2578209      | 11788996.4 |        |
| 2578639 | LG Chem, Ltd.  | 26/05/2011             | 2578639      | 11786926.3 |        |
| 2578880 | Panasonic Corporation  | 06/06/2011             | 2578880      | 11792134.6 |        |
| 2578906 | Yamaha Hatsudoki Kabushiki Kaisha  | 22/04/2011             | 2578906      | 11786270.6 |        |
| 2579081 | Nikon Corporation  | 10/05/2011             | 2579081      | 11786283.9 |        |
| 2579338 | Nichia Corporation   | 25/05/2011             | 2579338      | 11789671.2 |        |
| 2579765 | Omeq Medical Ltd.  | 13/06/2011             | 2579765      | 11795292.9 |        |
| 2579901 | The Board of Trustees of The<br>University of Arkansas   | 09/06/2011             | 2579901      | 11793174.1 |        |
| 2580148 | Plastic Omnium Systèmes Urbains  | 13/06/2011             | 2580148      | 11730244.8 | French |
| 2580746 | Fike Corporation   | 09/02/2011             | 2580746      | 11796102.9 |        |
| 2581246 | NISSAN MOTOR CO., LTD.   | 06/06/2011             | 2581246      | 11792395.3 |        |
| 2582222 | Yazaki Corporation   | 09/06/2011             | 2582222      | 11792538.8 |        |
| 2582441 | Rioks Patenter AB  | 14/06/2011             | 2582441      | 11796053.4 |        |
| 2583059 | Rafael Advanced Defense Systems Ltd  | 13/06/2011             | 2583059      | 11795293.7 |        |

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| 2583319 | OSRAM Opto Semiconductors GmbH   | 24/05/2011 | 2583319 | 11720815.7 | German |
| 2583396 | LG Electronics Inc.  | 17/06/2011 | 2583396 | 11795998.1 |        |
| 2583471 | Continental Teves AG & Co. OHG   | 15/06/2011 | 2583471 | 11738636.7 | German |
| 2584597 | Nissan Motor Co., Ltd.   | 15/06/2011 | 2584597 | 11795769.6 |        |
| 2584672 | ROBERT BOSCH GMBH  | 19/09/2012 | 2584672 | 12185064.8 | German |
| 2585352 | Dellner Couplers AB  | 08/06/2011 | 2585352 | 11798446.8 |        |
| 2585378 | Stora Enso Oyj   | 22/06/2010 | 2585378 | 10853564.2 |        |
| 2585455 | Massachusetts General Hospital<br>The Regents of the University of<br>California | 24/06/2011 | 2585455 | 11799023.4 |        |
| 2585773 | Woongjin Coway Co., Ltd.   | 22/06/2011 | 2585773 | 11798382.5 |        |
| 2586157 | Telefonaktiebolaget LM Ericsson (publ)   | 28/06/2010 | 2586157 | 10729708.7 |        |
| 2586219 | BlackBerry Limited   | 22/06/2011 | 2586219 | 11797441.0 |        |
| 2586267 | Nokia Technologies Oy  | 16/05/2011 | 2586267 | 11797698.5 |        |
| 2586723 | Hosokawa Yoko Co., Ltd.  | 24/06/2011 | 2586723 | 11798264.5 |        |
| 2586762 | AGC Inc.   | 23/06/2011 | 2586762 | 11798217.3 |        |
| 2587122 | HI-LEX Corporation   | 27/06/2011 | 2587122 | 11798286.8 |        |
| 2588260 | Primetals Technologies Austria GmbH  | 21/06/2011 | 2588260 | 11729089.0 | German |
| 2588372 | AeroVironment, Inc.  | 29/06/2011 | 2588372 | 11804183.9 |        |
| 2588634 | OUTOTEC (FINLAND) OY   | 28/06/2011 | 2588634 | 11800246.8 |        |
| 2588654 | The Procter & Gamble Company   | 30/06/2011 | 2588654 | 11734218.8 |        |
| 2588747 | Carleton Technologies, Inc.  | 30/06/2011 | 2588747 | 11801377.0 |        |
| 2588751 | Vestas Wind Systems A/S  | 24/06/2011 | 2588751 | 11729049.4 |        |
| 2588779 | CPT Zwei GmbH  | 28/06/2011 | 2588779 | 11770325.6 | German |
| 2588820 | LG Electronics Inc.  | 30/06/2011 | 2588820 | 11801154.3 |        |
| 2588839 | Daniel Measurement and Control, Inc.   | 06/06/2011 | 2588839 | 11803995.7 |        |
| 2588844 | Whatman International Limited  | 28/06/2011 | 2588844 | 11743785.5 |        |
| 2588886 | Acoustic Zoom, Inc.  | 23/06/2011 | 2588886 | 11800007.4 |        |
| 2588900 | Newport Corporation  | 30/06/2011 | 2588900 | 11801454.7 |        |
| 2589440 | Dai Nippon Printing Co., Ltd.  | 30/06/2011 | 2589440 | 11800966.1 |        |
| 2590163 | Eberspächer Exhaust Technology<br>GmbH & Co. KG                                  | 30/10/2012 | 2590163 | 12190517.8 |        |
| 2590494 | Kitagawa Industries Co., Ltd.  | 30/06/2011 | 2590494 | 11800965.3 |        |
| 2591916 | Novatec SA   | 13/06/2003 | 2591916 | 13152826.7 |        |
| 2593743 | Valeo Systemes Thermiques  | 08/07/2011 | 2593743 | 11738615.1 | French |
| 2596794 | TETS, Georgy Viktorovich<br>Tets, Viktor Veniaminovich                           | 04/06/2010 | 2596794 | 10797363.8 |        |
| 2597048 | DIAM BOUCHAGE  | 22/11/2012 | 2597048 | 12193825.2 | French |

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| 2598705 | Kellophie IP Holdings Pty Ltd   | 27/07/2011             | 2598705      | 11811635.9 |        |
| 2600025 | NHK Spring Co., Ltd.  | 04/07/2011             | 2600025      | 11812228.2 |        |
| 2600705 | Pilz GmbH & Co. KG  | 16/11/2012             | 2600705      | 12192925.1 | German |
| 2602486 | Kabushiki Kaisha Kobe Seiko Sho   | 30/05/2011             | 2602486      | 11814357.7 |        |
| 2603010 | LG ELECTRONICS INC.   | 29/11/2012             | 2603010      | 12194931.7 |        |
| 2605879 | Emerson Electric Co.  | 15/08/2011             | 2605879      | 11757991.2 |        |
| 2608066 | SAP SE  | 31/08/2012             | 2608066      | 12006185.8 |        |
| 2608281 | Showa Denko K.K.  | 16/08/2011             | 2608281      | 11818199.9 |        |
| 2610546 | Ichikoh Industries, Ltd.  | 21/12/2012             | 2610546      | 12008572.5 |        |
| 2610813 | Definiens AG  | 24/10/2012             | 2610813      | 12189735.9 |        |
| 2611074 | Tektronix, Inc.   | 27/12/2012             | 2611074      | 12199490.9 |        |
| 2612039 | EMTW Production AB  | 24/08/2011             | 2612039      | 11822216.5 |        |
| 2613174 | Panasonic Intellectual Property<br>Management Co., Ltd.                   | 16/08/2011             | 2613174      | 11821267.9 |        |
| 2613478 | ZTE Corporation   | 20/06/2011             | 2613478      | 11821038.4 |        |
| 2614292 | Harman Professional Denmark ApS   | 08/09/2011             | 2614292      | 11823100.0 |        |
| 2614851 | Tchirikov, Michael<br>"National Laboratory Astana" Private<br>Institution | 16/01/2012             | 2614851      | 12151259.4 | German |
| 2615551 | Mitsubishi Heavy Industries, Ltd.   | 21/06/2011             | 2615551      | 11823308.9 |        |
| 2615636 | Korea Institute Of Machinery &<br>Materials                               | 07/09/2011             | 2615636      | 11823771.8 |        |
| 2616064 | Rtu Pharmaceuticals LLC   | 21/10/2011             | 2616064      | 11835216.0 |        |
| 2616441 | Purdue Pharma L.P.  | 16/09/2011             | 2616441      | 11776851.5 |        |
| 2618069 | Mitsubishi Electric Corporation   | 31/01/2011             | 2618069      | 11824802.0 |        |
| 2618084 | BSH Hausgeräte GmbH   | 08/01/2013             | 2618084      | 13150439.1 | German |
| 2619588 | Biocept, Inc.   | 22/09/2011             | 2619588      | 11827572.6 |        |
| 2621440 | The Procter & Gamble Company  | 28/09/2011             | 2621440      | 11771304.0 |        |
| 2622328 | Viprotron GmbH  | 27/09/2011             | 2622328      | 11772908.7 | German |
| 2623387 | TOYOTA JIDOSHA KABUSHIKI<br>KAISHA  | 28/09/2011             | 2623387      | 11829218.4 |        |
| 2623899 | Fujitsu General Limited   | 28/12/2012             | 2623899      | 12199615.1 |        |
| 2623968 | Hitachi, Ltd.   | 09/08/2011             | 2623968      | 11828632.7 |        |
| 2626595 | MITSUBOSHI BELTING LTD.   | 30/08/2011             | 2626595      | 11821830.4 |        |
| 2628299 | InterDigital VC Holdings, Inc.  | 06/10/2011             | 2628299      | 11770644.0 |        |
| 2629820 | Teleflex Medical Incorporated   | 20/10/2010             | 2629820      | 10858736.1 |        |
| 2630389 | ÖHLINS RACING AB  | 21/10/2011             | 2630389      | 11773261.0 |        |



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| 2631510 | Volvo Car Corporation  | 21/02/2012 | 2631510 | 12156352.2 |        |
| 2631524 | Mitsubishi Electric Corporation                                  | 17/10/2011 | 2631524 | 11833932.4 |        |
| 2632035 | Soler & Palau Research, S.L.                                     | 17/10/2011 | 2632035 | 11833887.0 |        |
| 2632567 | MECS, Inc.   | 28/10/2011 | 2632567 | 11782319.5 |        |
| 2632730 | Matthews International Corporation                               | 27/10/2011 | 2632730 | 11837056.8 |        |
| 2633462 | Max-Planck-Gesellschaft zur Förderung<br>der Wissenschaften e.V. | 27/10/2011 | 2633462 | 11776429.0 |        |
| 2633503 | Société Rhodanienne d'Electronique<br>Appliquée                  | 24/10/2011 | 2633503 | 11787921.3 | French |
| 2633828 | Cook Medical Technologies LLC                                    | 13/02/2013 | 2633828 | 13275028.2 |        |
| 2634052 | NISSAN MOTOR CO., LTD.   | 05/10/2011 | 2634052 | 11835997.5 |        |
| 2635761 | Sandvik Mining and Construction Oy                               | 01/11/2011 | 2635761 | 11837634.2 |        |
| 2636196 | Qualcomm Incorporated  | 04/11/2011 | 2636196 | 11785236.8 |        |
| 2636239 | Thales Nederland B.V.  | 03/11/2011 | 2636239 | 11778879.4 |        |
| 2636931 | Eagle Industry Co., Ltd.   | 09/03/2012 | 2636931 | 12765861.5 |        |
| 2637595 | Koninklijke Philips N.V.   | 08/11/2011 | 2637595 | 11811565.8 |        |
| 2637991 | Silicon Fire AG  | 14/10/2011 | 2637991 | 11778547.7 |        |
| 2638278 | Travis, Wayne S.   | 09/11/2011 | 2638278 | 11840178.5 |        |
| 2638490 | Physio-Control, Inc.   | 31/10/2011 | 2638490 | 11787755.5 |        |
| 2638773 | BlackBerry Limited   | 04/11/2011 | 2638773 | 11782107.4 |        |
| 2639130 | NISSAN MOTOR CO., LTD.   | 20/10/2011 | 2639130 | 11834415.9 |        |
| 2639605 | BlackBerry Limited   | 15/03/2012 | 2639605 | 12159744.7 |        |
| 2639771 | Volvo Car Corporation  | 16/03/2012 | 2639771 | 12159785.0 |        |
| 2640730 | Biocon Limited   | 17/11/2011 | 2640730 | 11841039.8 |        |
| 2641817 | Ford-Werke GmbH  | 07/03/2013 | 2641817 | 13158084.7 | German |
| 2643416 | BASF SE  | 23/11/2011 | 2643416 | 11785701.1 |        |
| 2643601 | Lufkin Industries, LLC   | 23/11/2011 | 2643601 | 11794312.6 |        |
| 2644316 | Kosmek Ltd.  | 01/11/2011 | 2644316 | 11843684.9 |        |
| 2645072 | NCR Corporation  | 25/02/2013 | 2645072 | 13156592.1 |        |
| 2646164 | Lee, Chie Ying   | 05/12/2011 | 2646164 | 11844286.2 |        |
| 2646923 | Microsoft Technology Licensing, LLC                              | 03/12/2011 | 2646923 | 11845849.6 |        |
| 2647223 | Nuance Communications, Inc.                                      | 29/11/2010 | 2647223 | 10860321.8 |        |
| 2648483 | Dialog Semiconductor GmbH  | 06/04/2012 | 2648483 | 12368008.4 |        |
| 2650744 | The Boeing Company   | 08/04/2013 | 2650744 | 13162667.3 |        |
| 2651231 | Intercontinental Great Brands LLC                                | 12/12/2011 | 2651231 | 11848853.5 |        |
| 2651400 | Celgene Corporation  | 15/12/2011 | 2651400 | 11831805.4 |        |
| 2652077 | Akzo Nobel Chemicals International<br>B.V.                       | 14/12/2011 | 2652077 | 11802342.3 |        |

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| 2652499 | Cytosed, Inc.   | 15/12/2011             | 2652499      | 11804875.0 |        |
| 2652776 | KLA-Tencor Corporation  | 07/12/2011             | 2652776      | 11849418.6 |        |
| 2653424 | Mitsubishi Electric Corporation   | 14/12/2010             | 2653424      | 10860801.9 |        |
| 2654148 | The Japan Atomic Power Company<br>Asahi Kasei Engineering Corporation<br>Thermographers Co., Ltd.<br>Asahi Kasei Kabushiki Kaisha | 13/12/2011             | 2654148      | 11848150.6 |        |
| 2654537 | Essity Hygiene and Health Aktiebolag  | 22/12/2010             | 2654537      | 10861095.7 |        |
| 2655857 | Woodward, Inc.  | 13/12/2011             | 2655857      | 11851274.8 |        |
| 2656371 | Element Six Technologies Limited  | 14/12/2011             | 2656371      | 11794199.7 |        |
| 2656552 | Microsoft Technology Licensing, LLC   | 19/12/2011             | 2656552      | 11850354.9 |        |
| 2657711 | Nanotools GmbH  | 23/04/2013             | 2657711      | 13164952.7 |        |
| 2658129 | Analog Devices, Inc.  | 17/04/2013             | 2658129      | 13164140.9 |        |
| 2658435 | Axsun Technologies, Inc.  | 23/12/2011             | 2658435      | 11808809.5 |        |
| 2658766 | Dale, Caroline  | 22/12/2011             | 2658766      | 11804741.4 |        |
| 2658823 | United States Gypsum Company  | 21/12/2011             | 2658823      | 11808528.1 |        |
| 2659353 | Amazon Technologies, Inc.   | 19/12/2011             | 2659353      | 11853877.6 |        |
| 2659573 | Robert Bosch GmbH   | 23/11/2011             | 2659573      | 11787685.4 | German |
| 2660268 | Shanghai Genius Advanced Material<br>(Group) Co. Ltd  | 26/12/2011             | 2660268      | 11852381.0 |        |
| 2660393 | Heinrich Meier Eisengiesserei GmbH &<br>Co. KG  | 24/04/2013             | 2660393      | 13165212.5 | German |
| 2660482 | Life Technologies Corporation   | 22/08/2006             | 2660482      | 13175751.0 |        |
| 2660997 | LG Electronics Inc.   | 29/12/2011             | 2660997      | 11852931.2 |        |
| 2662299 | Engel, Alexander  | 07/05/2013             | 2662299      | 13166744.6 | German |
| 2663133 | Cisco Technology, Inc.  | 01/02/2008             | 2663133      | 13179527.0 |        |
| 2663614 | Accelergy Corporation   | 12/12/2011             | 2663614      | 11849756.9 |        |
| 2664550 | Teva Medical Ltd.   | 29/10/2004             | 2664550      | 13179757.3 |        |
| 2664717 | Kobelco Construction Machinery Co.,<br>Ltd.   | 06/05/2013             | 2664717      | 13166585.3 |        |
| 2664884 | Air Products and Chemicals, Inc.  | 18/05/2012             | 2664884      | 12003932.6 |        |
| 2665345 | Shindengen Electric Manufacturing Co.,<br>Ltd.  | 16/04/2012             | 2665345      | 12777101.2 |        |
| 2665509 | Loma Vista Medical, Inc.  | 18/01/2012             | 2665509      | 12736295.2 |        |
| 2666051 | Coherent, Inc.  | 20/01/2012             | 2666051      | 12736070.9 |        |
| 2667005 | The Boeing Company  | 25/04/2013             | 2667005      | 13165423.8 |        |
| 2667302 | Schneider Electric Industries SAS   | 17/05/2013             | 2667302      | 13168389.8 | French |
| 2667656 | Vodafone GmbH   | 21/05/2012             | 2667656      | 12168667.9 |        |

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|---------|---|------------|---------|------------|--------|
| 2668041 | Hewlett-Packard Development<br>Company, L.P.                            | 25/01/2011 | 2668041 | 11856689.2 |        |
| 2669474 | MTU Aero Engines AG   | 01/06/2012 | 2669474 | 12170498.5 | German |
| 2669771 | LG Electronics Inc.   | 24/05/2013 | 2669771 | 13169277.4 |        |
| 2670706 | Gerber, Thomas  | 31/01/2012 | 2670706 | 12703742.2 | German |
| 2671210 | Microsoft Technology Licensing, LLC                                     | 09/01/2012 | 2671210 | 12741552.9 |        |
| 2671820 | NGK Insulators, Ltd.  | 17/01/2012 | 2671820 | 12742432.3 |        |
| 2671821 | Groz-Beckert KG   | 08/06/2012 | 2671821 | 12171347.3 | German |
| 2672153 | Delta Systemtechnik GmbH  | 05/06/2012 | 2672153 | 12004294.0 | German |
| 2672208 | V-Zug AG  | 08/05/2013 | 2672208 | 13002446.6 | German |
| 2672243 | Teknologian Tutkimuskeskus VTT  | 03/06/2013 | 2672243 | 13170194.8 |        |
| 2672337 | Glashütter Uhrenbetrieb GmbH  | 06/06/2012 | 2672337 | 12171027.1 | French |
| 2674294 | The Boeing Company  | 06/06/2013 | 2674294 | 13170928.9 |        |
| 2674721 | The Boeing Company  | 10/06/2013 | 2674721 | 13171193.9 |        |
| 2675092 | Telefonaktiebolaget LM Ericsson (publ)                                  | 20/09/2012 | 2675092 | 12185130.7 |        |
| 2675094 | Telefonaktiebolaget LM Ericsson (publ)                                  | 09/12/2008 | 2675094 | 13181835.3 |        |
| 2675359 | Koninklijke Philips N.V.  | 16/02/2012 | 2675359 | 12709374.8 |        |
| 2676411 | ORACLE INTERNATIONAL<br>CORPORATION                                     | 10/01/2012 | 2676411 | 12701567.5 |        |
| 2676639 | Terumo Kabushiki Kaisha   | 28/12/2011 | 2676639 | 11858611.4 |        |
| 2677258 | LG Electronics Inc.   | 20/06/2013 | 2677258 | 13173000.4 |        |
| 2677285 | Rosemount Tank Radar AB   | 17/06/2013 | 2677285 | 13172356.1 |        |
| 2677339 | Rosemount Tank Radar AB   | 17/06/2013 | 2677339 | 13172360.3 |        |
| 2677379 | Mitutoyo Corporation  | 19/06/2013 | 2677379 | 13172920.4 |        |
| 2677561 | Konica Minolta, Inc.  | 10/02/2012 | 2677561 | 12746917.9 |        |
| 2678664 | Gen-Probe Incorporated  | 24/02/2012 | 2678664 | 12716105.7 |        |
| 2678824 | Fraunhofer-Gesellschaft zur Förderung<br>der angewandten Forschung e.V. | 17/02/2012 | 2678824 | 12704804.9 |        |
| 2678864 | Micron Technology, Inc.   | 23/02/2012 | 2678864 | 12749593.5 |        |
| 2678951 | LG Electronics Inc.   | 06/02/2012 | 2678951 | 12750037.9 |        |
| 2679372 | Toray Industries, Inc.  | 21/02/2012 | 2679372 | 12749717.0 |        |
| 2679681 | Chugai Seiyaku Kabushiki Kaisha   | 24/02/2012 | 2679681 | 12749420.1 |        |
| 2679913 | BSH Hausgeräte GmbH   | 18/06/2013 | 2679913 | 13172378.5 | German |
| 2680192 | Google LLC  | 25/06/2013 | 2680192 | 13173668.8 |        |
| 2681297 | Shell Internationale Research<br>Maatschappij B.V.                      | 02/03/2012 | 2681297 | 12710462.8 |        |
| 2681378 | Meyer, Hans   | 01/03/2012 | 2681378 | 12710671.4 | German |
| 2682754 | Sysmex Corporation  | 27/02/2012 | 2682754 | 12753007.9 |        |

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| 2686322 | BASF SE  | 02/03/2012             | 2686322      | 12757648.6 |        |
| 2686689 | Critical Care Diagnostics, Inc.  | 16/03/2012             | 2686689      | 12771826.0 |        |
| 2686877 | Plasma-Therm, LLC  | 12/03/2012             | 2686877      | 12719486.8 |        |
| 2687154 | CSEM Centre Suisse d'Electronique et<br>de Microtechnique SA - Recherche et<br>Développement | 26/06/2013             | 2687154      | 13173734.8 |        |
| 2687391 | WABCO GmbH   | 11/06/2013             | 2687391      | 13002986.1 | German |
| 2687783 | Mitsubishi Heavy Industries<br>Environmental & Chemical Engineering<br>Co., Ltd.             | 18/03/2011             | 2687783      | 11861351.2 |        |
| 2688670 | Robert Bosch GmbH  | 23/01/2012             | 2688670      | 12703472.6 | German |
| 2689314 | Amazon Technologies, Inc.  | 20/03/2012             | 2689314      | 12760868.5 |        |
| 2690116 | Nippon Shokubai Co., Ltd.  | 19/03/2012             | 2690116      | 12760753.9 |        |
| 2690168 | Nikon Corporation  | 23/03/2012             | 2690168      | 12761169.7 |        |
| 2690868 | Olympus Corporation  | 01/03/2012             | 2690868      | 12760639.0 |        |
| 2691886 | EMC Corporation  | 07/03/2012             | 2691886      | 12764154.6 |        |
| 2692069 | Huawei Technologies Co., Ltd.  | 31/03/2011             | 2692069      | 11861958.4 |        |
| 2692712 | Nichias Corporation  | 30/03/2012             | 2692712      | 12763683.5 |        |
| 2693278 | AUDI AG  | 20/06/2013             | 2693278      | 13003139.6 | German |
| 2693318 | LG Electronics Inc.  | 05/03/2013             | 2693318      | 13157902.1 |        |
| 2693616 | Dai, Shanshan  | 29/03/2012             | 2693616      | 12763814.6 |        |
| 2693713 | Harris Global Communications, Inc.   | 26/06/2013             | 2693713      | 13173786.8 |        |
| 2694535 | Abitep GmbH  | 24/03/2012             | 2694535      | 12732951.4 | German |
| 2694613 | Lockheed Martin Corporation  | 04/03/2012             | 2694613      | 12767418.2 |        |
| 2695207 | OSRAM Opto Semiconductors GmbH   | 15/03/2012             | 2695207      | 12708853.2 | German |
| 2695334 | Telefonaktiebolaget LM Ericsson (publ)   | 03/04/2012             | 2695334      | 12717489.4 |        |
| 2696295 | Huawei Device (Shenzhen) Co., Ltd.   | 28/05/2012             | 2696295      | 12791068.5 |        |
| 2697497 | Safran Nacelles  | 12/04/2012             | 2697497      | 12721330.4 | French |
| 2697546 | Emerson Process Management<br>Regulator Technologies, Inc.                                   | 13/04/2012             | 2697546      | 12717980.2 |        |
| 2697771 | Koninklijke Philips N.V.   | 27/03/2012             | 2697771      | 12715187.6 |        |
| 2698189 | Pall Corporation   | 17/08/2012             | 2698189      | 12180896.8 |        |
| 2698420 | THK Co., Ltd.<br>Idemitsu Kosan Co., Ltd.  | 11/04/2012             | 2698420      | 12771351.9 |        |
| 2698695 | Apple Inc.   | 26/08/2008             | 2698695      | 13174706.5 |        |
| 2699350 | Dow Technology Investments LLC<br>BASF SE  | 13/04/2012             | 2699350      | 12719145.0 |        |
| 2699376 | Blue Solutions   | 19/04/2012             | 2699376      | 12717095.9 | French |

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| 2699822 | Scania CV AB                                 | 05/04/2012 | 2699822 | 12773934.0 |        |
| 2700992 | Ridgemount Technologies Limited              | 24/08/2012 | 2700992 | 12181763.9 |        |
| 2701960 | Novus Finitor B.V.                           | 21/02/2012 | 2701960 | 12719092.4 |        |
| 2703081 | XiMo AG                                      | 04/09/2012 | 2703081 | 12182927.9 |        |
| 2703582 | U-Shin Italia S.p.A.                         | 30/08/2012 | 2703582 | 12425144.8 |        |
| 2704583 | Scelta Essenza Holding B.V.                  | 03/05/2012 | 2704583 | 12720416.2 |        |
| 2704720 | Agios Pharmaceuticals, Inc.                  | 03/05/2012 | 2704720 | 12721111.8 |        |
| 2705147 | F. Hoffmann-La Roche AG                      | 04/05/2012 | 2705147 | 12720476.6 |        |
| 2705519 | Höganäs AB (publ)                            | 02/05/2012 | 2705519 | 12717755.8 |        |
| 2706167 | Den Finland Oy                               | 09/09/2013 | 2706167 | 13183469.9 |        |
| 2706168 | Den Finland Oy                               | 09/09/2013 | 2706168 | 13183479.8 |        |
| 2706172 | Evva Sicherheitstechnologie GmbH             | 03/09/2013 | 2706172 | 13450039.6 | German |
| 2707777 | Lvmh Swiss Manufactures SA                   | 09/05/2012 | 2707777 | 12719402.5 | French |
| 2707909 | Cree, Inc.                                   | 05/03/2012 | 2707909 | 12782214.6 |        |
| 2708064 | Telefonaktiebolaget LM Ericsson (publ)       | 15/12/2011 | 2708064 | 11805262.0 |        |
| 2708132 | WP Kemper GmbH                               | 02/09/2013 | 2708132 | 13182611.7 | German |
| 2708901 | Konica Minolta, Inc.                         | 08/05/2012 | 2708901 | 12782044.7 |        |
| 2708907 | Omicron electronics GmbH                     | 24/08/2012 | 2708907 | 13196147.6 | German |
| 2709647 | Massachusetts Institute Of Technology        | 23/02/2012 | 2709647 | 12750085.8 |        |
| 2710961 | Veinpress GmbH                               | 24/09/2012 | 2710961 | 12185733.8 | German |
| 2713268 | Ricoh Company, Ltd.                          | 28/09/2012 | 2713268 | 12186736.0 |        |
| 2713468 | GE Energy Power Conversion<br>Technology Ltd | 28/09/2012 | 2713468 | 12186514.1 |        |
| 2713602 | Kyocera Document Solutions Inc.              | 24/09/2013 | 2713602 | 13185778.1 |        |
| 2713946 | Vasutec Limited                              | 01/06/2012 | 2713946 | 12728742.3 |        |
| 2713948 | Vasutec Limited                              | 01/06/2012 | 2713948 | 12731617.2 |        |
| 2713998 | L'OREAL                                      | 01/06/2012 | 2713998 | 12725400.1 |        |
| 2715539 | Microsoft Technology Licensing, LLC          | 18/05/2012 | 2715539 | 12792181.5 |        |
| 2715608 | Datalogic USA, Inc.                          | 01/06/2012 | 2715608 | 12793458.6 |        |
| 2715731 | TOSHIBA MEMORY<br>CORPORATION                | 09/03/2012 | 2715731 | 12790300.3 |        |
| 2716129 | Telefonaktiebolaget LM Ericsson (publ)       | 01/11/2011 | 2716129 | 11785158.4 |        |
| 2716994 | Fundación Cidaut                             | 03/06/2011 | 2716994 | 11866642.9 |        |
| 2717538 | Huawei Technologies Co., Ltd.                | 09/04/2012 | 2717538 | 12874308.5 |        |
| 2717692 | Corbus Pharmaceuticals, Inc.                 | 01/06/2012 | 2717692 | 12796691.9 |        |
| 2717821 | The Procter & Gamble Company                 | 08/06/2012 | 2717821 | 12727752.3 |        |
| 2717931 | KPR U.S., LLC                                | 04/06/2012 | 2717931 | 12796310.6 |        |
| 2718351 | Titan Wood Limited                           | 08/06/2012 | 2718351 | 12726621.1 |        |

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| 2718767 | Technic France   | 11/06/2012             | 2718767      | 12730429.3 |        |
| 2718844 | Certicom Corp.   | 06/06/2011             | 2718844      | 11867225.2 |        |
| 2718871 | Amazon Technologies, Inc.  | 08/06/2012             | 2718871      | 12797673.6 |        |
| 2719028 | PPC Broadband Inc.   | 08/06/2012             | 2719028      | 12796262.9 |        |
| 2719323 | KPR U.S., LLC  | 08/09/2011             | 2719323      | 14150399.5 |        |
| 2719559 | Panasonic Intellectual Property<br>Management Co., Ltd.                              | 08/06/2011             | 2719559      | 11867373.0 |        |
| 2719914 | TOYOTA JIDOSHA KABUSHIKI<br>KAISHA   | 07/06/2011             | 2719914      | 11867558.6 |        |
| 2720102 | Samsung Electronics Co., Ltd.  | 25/09/2013             | 2720102      | 13185877.1 |        |
| 2720132 | Samsung Electronics Co., Ltd.  | 10/10/2013             | 2720132      | 13188170.8 |        |
| 2720336 | Samsung Display Co., Ltd.  | 11/02/2013             | 2720336      | 13154742.4 |        |
| 2720352 | Honda Motor Co., Ltd.  | 06/06/2012             | 2720352      | 12796738.8 |        |
| 2720975 | Yazaki Corporation   | 18/06/2012             | 2720975      | 12802036.9 |        |
| 2721128 | The Lubrizol Corporation   | 13/06/2012             | 2721128      | 12728925.4 |        |
| 2722962 | Mitsubishi Heavy Industries, Ltd.  | 13/06/2012             | 2722962      | 12799900.1 |        |
| 2723426 | Buchine, Brent<br>Stepanian, Christopher<br>Navarro, Ralph<br>Standley, Adam Richard | 21/06/2012             | 2723426      | 12802143.3 |        |
| 2723574 | Datamax-O'Neil Corporation   | 22/06/2012             | 2723574      | 12802537.6 |        |
| 2723999 | Robert Bosch GmbH  | 24/05/2012             | 2723999      | 12723489.6 | German |
| 2724106 | AIC Spółka Akcyjna   | 18/06/2012             | 2724106      | 12737914.7 |        |
| 2724236 | NetApp, Inc.   | 07/06/2012             | 2724236      | 12802529.3 |        |
| 2725093 | JOPE Beteiligungs GmbH   | 25/10/2013             | 2725093      | 13190370.0 | German |
| 2725186 | GE Oil & Gas UK Limited  | 25/10/2012             | 2725186      | 12190000.5 |        |
| 2726343 | Robert Bosch GmbH  | 01/06/2012             | 2726343      | 12725391.2 | German |
| 2726344 | Robert Bosch GmbH  | 01/06/2012             | 2726344      | 12730168.7 | German |
| 2726511 | NGM Biopharmaceuticals, Inc.   | 29/06/2012             | 2726511      | 12807786.4 |        |
| 2726781 | Signify Holding B.V.   | 28/06/2012             | 2726781      | 12742952.0 |        |
| 2727155 | (CNBM) Bengbu Design & Research<br>Institute for Glass Industry Co., Ltd.            | 26/06/2012             | 2727155      | 12745645.7 | German |
| 2727249 | Avago Technologies International Sales<br>Pte. Limited                               | 08/06/2012             | 2727249      | 12726712.8 |        |
| 2727308 | Telefonaktiebolaget LM Ericsson (publ)   | 14/06/2012             | 2727308      | 12727377.9 |        |
| 2727316 | Citrix Systems Inc.  | 26/06/2012             | 2727316      | 12735382.9 |        |
| 2727359 | Telefonaktiebolaget LM Ericsson (publ)   | 27/06/2012             | 2727359      | 12805401.2 |        |
| 2728847 | Kyocera Document Solutions Inc.  | 25/10/2013             | 2728847      | 13190327.0 |        |

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| 2729295 | Carbon Rotec GmbH & Co. KG                      | 06/06/2012 | 2729295 | 12726426.5 | German |
| 2730056 | SCA IPLA Holdings Inc.                          | 12/06/2012 | 2730056 | 12735319.1 |        |
| 2731037 | Apple Inc.                                      | 09/09/2008 | 2731037 | 13171145.9 |        |
| 2732369 | Fujitsu Limited                                 | 21/06/2012 | 2732369 | 12733008.2 | German |
| 2732823 | H. Lundbeck A/S                                 | 24/06/2009 | 2732823 | 14154831.3 |        |
| 2732961 | Flexopack Srl                                   | 18/11/2013 | 2732961 | 13193267.5 |        |
| 2733098 | Valmet Technologies, Inc.                       | 14/11/2013 | 2733098 | 13192895.4 |        |
| 2734010 | Dialog Semiconductor GmbH                       | 15/11/2012 | 2734010 | 12192786.7 |        |
| 2735074 | Audi AG   | 14/06/2012 | 2735074 | 12728397.6 | German |
| 2735250 | Ceragem Co., Ltd.                               | 11/06/2012 | 2735250 | 12804352.8 |        |
| 2736191 | ZTE Corporation                                 | 01/06/2012 | 2736191 | 12803232.3 |        |
| 2738052 | Mitsuba Corporation                             | 26/06/2012 | 2738052 | 12818334.0 |        |
| 2738350 | Honeywell International Inc.                    | 29/10/2013 | 2738350 | 13190763.6 |        |
| 2738999 | Huawei Technologies Co., Ltd.                   | 12/06/2012 | 2738999 | 12858454.7 |        |
| 2740361 | Unitherm Food Systems, LLC                      | 04/12/2013 | 2740361 | 13195615.3 |        |
| 2740564 | Pipe Restoration Technologies, LLC              | 04/01/2007 | 2740564 | 13177669.2 |        |
| 2741725 | Medline Industries, Inc.                        | 08/08/2012 | 2741725 | 12821743.7 |        |
| 2743431 | Mitsui Kinzoku ACT Corporation                  | 04/04/2012 | 2743431 | 12821954.0 |        |
| 2743515 | KLARO GmbH                                      | 12/12/2013 | 2743515 | 13005797.9 | German |
| 2744235 | Qualcomm Incorporated                           | 17/08/2009 | 2744235 | 14159456.4 |        |
| 2744347 | Dow AgroSciences LLC                            | 15/08/2012 | 2744347 | 12823900.1 |        |
| 2745857 | Shanghai MicroPort Medical (Group)<br>Co., Ltd. | 16/08/2012 | 2745857 | 12824361.5 |        |
| 2746721 | Hysitron, Inc.                                  | 10/02/2012 | 2746721 | 13193954.8 |        |
| 2746779 | Allegro MicroSystems, LLC                       | 04/05/2011 | 2746779 | 14157198.4 |        |
| 2746900 | Tobii AB  | 21/10/2013 | 2746900 | 13189490.9 |        |
| 2747740 | Akzo Nobel Chemicals International<br>B.V.      | 03/10/2012 | 2747740 | 12769413.1 |        |
| 2748094 | Otis Elevator Company                           | 24/08/2011 | 2748094 | 11871301.5 |        |
| 2748337 | Siemens Healthcare Diagnostics Inc.             | 21/09/2012 | 2748337 | 12833913.2 |        |
| 2748909 | Koninklijke Philips N.V.                        | 07/11/2012 | 2748909 | 12798866.5 |        |
| 2748997 | Samsung Electronics Co., Ltd.                   | 24/08/2012 | 2748997 | 12825361.4 |        |
| 2749301 | DePuy Synthes Products, Inc.                    | 27/12/2013 | 2749301 | 13199727.2 |        |
| 2749920 | odasys AG                                       | 30/12/2013 | 2749920 | 13405143.2 | German |
| 2750521 | Bouaziz, Hassouna                               | 28/08/2012 | 2750521 | 12773118.0 | French |

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| 2750593 | University of Massachusetts<br>President and Fellows of Harvard<br>College<br>The General Hospital Corporation | 30/08/2012             | 2750593      | 12759318.4 |        |
| 2751777 | Apple Inc.   | 31/08/2011             | 2751777      | 11754644.0 |        |
| 2752682 | MITSUBISHI HEAVY INDUSTRIES,<br>LTD.   | 06/06/2013             | 2752682      | 13170950.3 |        |
| 2752791 | Tandent Vision Science, Inc.   | 25/01/2007             | 2752791      | 13188111.2 |        |
| 2753016 | Samsung Electronics Co., Ltd.  | 03/01/2014             | 2753016      | 14150099.1 |        |
| 2754485 | Kabushiki Kaisha Powrex  | 06/09/2012             | 2754485      | 12829971.6 |        |
| 2755453 | Toshiba Mitsubishi-Electric Industrial<br>Systems Corporation  | 19/04/2012             | 2755453      | 12829740.5 |        |
| 2756029 | Klöckner Pentaplast GmbH   | 07/09/2012             | 2756029      | 12762532.5 | German |
| 2756319 | Kelvatek Ltd.  | 16/09/2012             | 2756319      | 12773245.1 |        |
| 2756407 | Microchip Technology Incorporated  | 14/09/2012             | 2756407      | 12778489.0 |        |
| 2756831 | Kao Corporation  | 07/09/2012             | 2756831      | 12832071.0 |        |
| 2757223 | VKR Holding A/S  | 16/01/2014             | 2757223      | 14151377.0 |        |
| 2757268 | Mitsubishi Electric Corporation  | 25/03/2008             | 2757268      | 14164771.9 |        |
| 2758426 | Novo Nordisk A/S   | 21/09/2012             | 2758426      | 12759773.0 |        |
| 2758607 | OrgAmi, LLC  | 17/08/2012             | 2758607      | 12824539.6 |        |
| 2759731 | BorgWarner, Inc.   | 15/10/2006             | 2759731      | 14164967.3 | German |
| 2760604 | Bayerische Motoren Werke<br>Aktiengesellschaft   | 20/09/2012             | 2760604      | 12770033.4 | German |
| 2760620 | IPG Photonics Corporation  | 01/10/2012             | 2760620      | 12836452.8 |        |
| 2760831 | Katholieke Universiteit Leuven   | 26/09/2012             | 2760831      | 12775463.8 |        |
| 2760995 | THE UNIVERSITY OF MIAMI  | 01/10/2012             | 2760995      | 12835515.3 |        |
| 2761585 | Life Technologies Corporation  | 30/09/2012             | 2761585      | 12784376.1 |        |
| 2761739 | Aviat Networks, Inc.   | 01/10/2012             | 2761739      | 12835935.3 |        |
| 2761825 | Intel Corporation  | 30/09/2011             | 2761825      | 11873412.8 |        |
| 2762129 | The Nisshin OilliO Group, Ltd.   | 28/09/2012             | 2762129      | 12836543.4 |        |
| 2762730 | Kubota Corporation   | 25/09/2012             | 2762730      | 12835947.8 |        |
| 2762923 | Kabushiki Kaisha Toshiba   | 28/09/2012             | 2762923      | 12837075.6 |        |
| 2762987 | Otto Bihler Handels-Beteiligungs-<br>GmbH  | 28/01/2014             | 2762987      | 14152803.4 | German |
| 2764271 | Litens Automotive Partnership  | 01/10/2012             | 2764271      | 12838370.0 |        |
| 2765278 | Saga University  | 10/08/2012             | 2765278      | 12826070.0 |        |
| 2765468 | Heron Innovations Factory GmbH   | 05/02/2014             | 2765468      | 14000430.0 | German |



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| 2767194 | WMF WÜRTTEMBERGISCHE<br>METALLWARENFABRIK AG                     | 29/01/2014 | 2767194 | 14153091.5 | German |
| 2767439 | Toyota Boshoku Kabushiki Kaisha                                  | 04/09/2012 | 2767439 | 12840695.6 |        |
| 2767455 | MAN Truck & Bus SE   | 14/09/2013 | 2767455 | 13004497.7 | German |
| 2768049 | Samsung SDI Co., Ltd.  | 11/02/2014 | 2768049 | 14154660.6 |        |
| 2768799 | Biotheryx, Inc.  | 16/10/2012 | 2768799 | 12784158.3 |        |
| 2769471 | Microchip Technology Germany GmbH                                | 17/10/2012 | 2769471 | 12778289.4 |        |
| 2769532 | Gigaset Communications GmbH                                      | 19/10/2012 | 2769532 | 12778706.7 | German |
| 2770394 | Boomerang Systems, Inc.  | 15/01/2010 | 2770394 | 14169547.8 |        |
| 2770461 | Kyushu Institute of Technology<br>Kabushiki Kaisha Yaskawa Denki | 19/02/2014 | 2770461 | 14155759.5 |        |
| 2770477 | Analog Devices, Inc.   | 14/10/2012 | 2770477 | 14164566.3 |        |
| 2770905 | Suntech Medical, Inc.  | 29/10/2012 | 2770905 | 12787060.8 |        |
| 2771071 | Firmenich SA   | 23/10/2012 | 2771071 | 12778330.6 |        |
| 2771754 | Cameron, D. Kevin  | 25/10/2012 | 2771754 | 12843622.7 |        |
| 2771816 | Google LLC   | 22/10/2012 | 2771816 | 12778589.7 |        |
| 2773067 | Cassidian CyberSecurity SAS                                      | 26/02/2014 | 2773067 | 14000671.9 | French |
| 2773077 | IDEMIA France  | 28/02/2013 | 2773077 | 13290040.8 |        |
| 2773098 | Canon Kabushiki Kaisha   | 13/02/2014 | 2773098 | 14154974.1 |        |
| 2773138 | ZTE Corporation  | 08/10/2012 | 2773138 | 12844400.7 |        |
| 2773171 | OMRON Corporation  | 24/09/2013 | 2773171 | 13185691.6 |        |
| 2773318 | Biomed Venture S.R.L. Societa<br>Unipersonale                    | 02/11/2012 | 2773318 | 12813535.7 |        |
| 2773606 | Honeywell International Inc.                                     | 02/11/2012 | 2773606 | 12846743.8 |        |
| 2774228 | Northrop Grumman Systems<br>Corporation                          | 30/10/2012 | 2774228 | 12791349.9 |        |
| 2774355 | Teledyne e2v Semiconductors SAS                                  | 18/10/2012 | 2774355 | 12775670.8 | French |
| 2774594 | King Saud University   | 08/12/2011 | 2774594 | 14001930.8 |        |
| 2775241 | Volkswagen Aktiengesellschaft                                    | 13/02/2014 | 2775241 | 14155098.8 | German |
| 2775818 | Trimble Inc.   | 07/11/2012 | 2775818 | 12848317.9 |        |
| 2775997 | Beiersdorf AG  | 05/06/2012 | 2775997 | 12727303.5 | German |
| 2776102 | ResMed Pty Ltd   | 08/11/2012 | 2776102 | 12848263.5 |        |
| 2776483 | Dow Global Technologies LLC<br>Rohm and Haas Company             | 22/12/2011 | 2776483 | 11877781.2 |        |
| 2776860 | Canon Kabushiki Kaisha   | 22/10/2012 | 2776860 | 12798424.3 |        |
| 2777025 | Sony Corporation   | 14/09/2012 | 2777025 | 12846930.1 |        |
| 2777097 | Hirschmann Automation and Control<br>GmbH                        | 09/11/2012 | 2777097 | 12788167.0 | German |

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| 2778374 | Honeywell International Inc.   | 10/03/2014             | 2778374      | 14158678.4 |        |
| 2778806 | Rockwell Automation Technologies, Inc.                                 | 17/03/2014             | 2778806      | 14160227.6 |        |
| 2779535 | Echelon Corporation  | 14/03/2014             | 2779535      | 14159834.2 |        |
| 2780155 | Adient Luxembourg Holding S.à r.l.                                     | 13/09/2012             | 2780155      | 12766399.5 | German |
| 2780835 | Ab Initio Technology LLC   | 15/11/2012             | 2780835      | 12795220.8 |        |
| 2780838 | Microsoft Technology Licensing, LLC                                    | 09/11/2012             | 2780838      | 12848846.7 |        |
| 2781593 | Newlight Technologies, Inc.  | 29/12/2005             | 2781593      | 14172432.8 |        |
| 2782504 | Koninklijke Philips N.V.   | 13/11/2012             | 2782504      | 12809338.2 |        |
| 2782766 | Siemens Mobility GmbH  | 30/10/2012             | 2782766      | 12783563.5 | German |
| 2783004 | The University of British Columbia                                     | 21/11/2012             | 2783004      | 12850749.8 |        |
| 2783467 | Panasonic Corporation  | 22/11/2012             | 2783467      | 12852187.9 |        |
| 2783483 | Calgary Scientific Inc.  | 20/11/2012             | 2783483      | 12851967.5 |        |
| 2784320 | TGK CO., Ltd.  | 19/03/2014             | 2784320      | 14160650.9 |        |
| 2784587 | ASAHI KASEI KABUSHIKI KAISHA   | 16/11/2012             | 2784587      | 12851615.0 |        |
| 2784941 | Sun Patent Trust   | 14/06/2012             | 2784941      | 14174710.5 |        |
| 2784971 | Apple Inc.   | 18/10/2012             | 2784971      | 12851569.9 |        |
| 2785035 | HP Printing Korea Co., Ltd.  | 14/02/2014             | 2785035      | 14155192.9 |        |
| 2786422 | (CNBM) Bengbu Design & Research Institute for Glass Industry Co., Ltd. | 21/11/2012             | 2786422      | 12798211.4 | German |
| 2786447 | Phoenix Contact GmbH & Co. KG  | 30/11/2012             | 2786447      | 12812159.7 | German |
| 2786859 | Global Filtration Systems, A DBA of Gulf Filtration Systems Inc.       | 27/06/2012             | 2786859      | 14172357.7 |        |
| 2787207 | NGK Insulators, Ltd.   | 30/11/2012             | 2787207      | 12854385.7 |        |
| 2787298 | Mitsubishi Electric Corporation  | 30/11/2011             | 2787298      | 11876581.7 |        |
| 2787357 | Omicron electronics GmbH   | 05/04/2013             | 2787357      | 13162478.5 | German |
| 2788538 | BSH Hausgeräte GmbH  | 06/12/2012             | 2788538      | 12805650.4 |        |
| 2788617 | Wobben Properties GmbH   | 28/11/2012             | 2788617      | 12791766.4 | German |
| 2789306 | Olympus Corporation  | 10/06/2013             | 2789306      | 13804265.0 |        |
| 2790792 | Pacific Precision Products Mfg   | 17/12/2012             | 2790792      | 12857777.2 |        |
| 2790974 | Federal-Mogul Corporation  | 13/12/2012             | 2790974      | 12806311.2 |        |
| 2790975 | Federal-Mogul Corporation  | 14/12/2012             | 2790975      | 12806317.9 |        |
| 2790979 | Federal-Mogul Corporation  | 14/12/2012             | 2790979      | 12809497.6 |        |
| 2791857 | Microsoft Technology Licensing, LLC                                    | 04/12/2012             | 2791857      | 12858489.3 |        |
| 2793751 | The Trustees of The University of Pennsylvania                         | 20/12/2012             | 2793751      | 12859237.5 |        |
| 2795304 | Schlumberger Technology B.V.   | 21/12/2012             | 2795304      | 12858863.9 |        |

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| 2795679 | Braghiroli, Marco   | 24/12/2012 | 2795679 | 12820872.5 |        |
| 2796186 | Airbus Operations GmbH  | 19/05/2010 | 2796186 | 14176215.3 | German |
| 2796223 | Hitachi Metals, Ltd.  | 20/12/2012 | 2796223 | 12860843.7 |        |
| 2796843 | Yokogawa Electric Corporation                                   | 19/03/2014 | 2796843 | 14160675.6 |        |
| 2797203 | NEC Corporation   | 13/11/2012 | 2797203 | 12859273.0 |        |
| 2797449 | Philip Morris Products S.A.                                     | 28/12/2012 | 2797449 | 12821115.8 |        |
| 2798126 | Clark Equipment Company   | 28/12/2012 | 2798126 | 12818981.8 |        |
| 2798854 | Koninklijke KPN N.V.  | 27/12/2012 | 2798854 | 12810311.6 |        |
| 2798889 | Intel Corporation   | 30/12/2011 | 2798889 | 11878961.9 |        |
| 2799116 | Honeywell International Inc.                                    | 30/04/2013 | 2799116 | 13166050.8 |        |
| 2799313 | Nippon Steel Corporation  | 20/12/2012 | 2799313 | 12859247.4 |        |
| 2799496 | Tokuyama Dental Corporation                                     | 11/12/2012 | 2799496 | 12856727.8 |        |
| 2799828 | The Boeing Company  | 11/03/2014 | 2799828 | 14158726.1 |        |
| 2800202 | Acer Incorporated   | 12/08/2013 | 2800202 | 13180017.9 |        |
| 2800273 | Nuctech Company Limited<br>Tsinghua University                  | 28/12/2012 | 2800273 | 12862173.7 |        |
| 2800292 | China Academy of Telecommunications<br>Technology               | 20/09/2012 | 2800292 | 12862529.0 |        |
| 2800413 | ZTE Corporation   | 09/04/2012 | 2800413 | 12862412.9 |        |
| 2800627 | P M B   | 19/12/2012 | 2800627 | 12864425.9 |        |
| 2800945 | Perceptron, Inc.  | 19/12/2012 | 2800945 | 12859167.4 |        |
| 2801347 | Rahn Ag   | 10/05/2013 | 2801347 | 13167254.5 |        |
| 2801377 | Biotime, Inc.<br>The Regents of the University of<br>California | 01/03/2012 | 2801377 | 14171183.8 |        |
| 2801877 | JTEKT CORPORATION<br>TOYOTA JIDOSHA KABUSHIKI<br>KAISHA         | 10/04/2014 | 2801877 | 14164139.9 |        |
| 2802163 | China Academy of Telecommunications<br>Technology               | 26/12/2012 | 2802163 | 12864330.1 |        |
| 2803142 | Phoenix Contact GmbH & Co. KG                                   | 11/01/2013 | 2803142 | 13700674.8 | German |
| 2803741 | Nippon Steel Corporation  | 17/12/2012 | 2803741 | 12864721.1 |        |
| 2804063 | LSIS Co., Ltd.  | 06/05/2014 | 2804063 | 14167205.5 |        |
| 2804115 | NEC Corporation   | 10/01/2013 | 2804115 | 13736030.1 |        |
| 2804275 | Wieland Electric GmbH   | 25/04/2014 | 2804275 | 14166103.3 | German |
| 2804623 | Bioverativ Therapeutics Inc.                                    | 12/01/2013 | 2804623 | 13735649.9 |        |
| 2805396 | Continental Automotive GmbH                                     | 16/01/2013 | 2805396 | 13700315.8 | German |
| 2805550 | Huawei Technologies Co., Ltd.                                   | 27/02/2012 | 2805550 | 12705870.9 |        |

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| 2805720 | ReveraGen BioPharma, Inc.  | 28/05/2009             | 2805720      | 14173342.8 |        |
| 2806833 | Medtronic Vascular Inc.  | 23/01/2013             | 2806833      | 13704657.9 |        |
| 2806964 | AG+ ApS  | 28/01/2013             | 2806964      | 13703987.1 |        |
| 2807888 | Sharp Kabushiki Kaisha   | 25/01/2013             | 2807888      | 13741464.5 |        |
| 2808071 | Mahle International GmbH   | 28/04/2014             | 2808071      | 14166198.3 | German |
| 2808089 | ABB Schweiz AG   | 14/11/2012             | 2808089      | 12866946.2 |        |
| 2808110 | Subaru Corporation   | 14/05/2014             | 2808110      | 14168216.1 |        |
| 2809915 | United Technologies Corporation  | 17/01/2013             | 2809915      | 13775295.2 |        |
| 2810777 | The Boeing Company   | 28/03/2014             | 2810777      | 14162401.5 |        |
| 2810840 | Toyota Jidosha Kabushiki Kaisha  | 03/02/2012             | 2810840      | 12867251.6 |        |
| 2810844 | BLG AutoRail GmbH  | 02/06/2014             | 2810844      | 14001897.9 | German |
| 2811061 | LG ELECTRONICS INC.  | 02/06/2014             | 2811061      | 14170780.2 |        |
| 2811102 | profine GmbH   | 03/06/2014             | 2811102      | 14171035.0 | German |
| 2811192 | Sunrise Medical GmbH   | 27/05/2014             | 2811192      | 14170070.8 | German |
| 2811199 | Aktiebolaget SKF   | 03/06/2014             | 2811199      | 14171038.4 |        |
| 2811228 | Haldor Topsøe A/S  | 07/06/2013             | 2811228      | 13171027.9 |        |
| 2811423 | Ricoh Company, Ltd.  | 03/06/2014             | 2811423      | 14170963.4 |        |
| 2811454 | Socionext Inc.   | 06/06/2013             | 2811454      | 13170945.3 |        |
| 2811539 | LG Electronics, Inc.   | 04/06/2014             | 2811539      | 14001935.7 |        |
| 2812271 | Nederlandse Organisatie voor<br>toegepast- natuurwetenschappelijk<br>onderzoek TNO | 07/02/2013             | 2812271      | 13709574.1 |        |
| 2812422 | BASF SE  | 24/01/2013             | 2812422      | 13746032.5 |        |
| 2812464 | Hydrox Holdings Limited  | 11/02/2013             | 2812464      | 13716386.1 |        |
| 2812523 | Baker Hughes, a GE company, LLC  | 08/02/2013             | 2812523      | 13746230.5 |        |
| 2812568 | IMO Holding GmbH   | 17/09/2012             | 2812568      | 12773202.2 | German |
| 2812989 | Sew-Eurodrive GmbH & Co. KG  | 28/01/2013             | 2812989      | 13706169.3 | German |
| 2813079 | HFI Innovation Inc.  | 13/06/2013             | 2813079      | 13807754.0 |        |
| 2813341 | Konica Minolta, Inc.   | 23/01/2013             | 2813341      | 13746350.1 |        |
| 2813615 | BSH Hausgeräte GmbH  | 05/06/2014             | 2813615      | 14171337.0 | German |
| 2813784 | Mitsubishi Electric Corporation  | 22/12/2011             | 2813784      | 11877666.5 |        |
| 2813912 | ABB Schweiz AG   | 14/06/2013             | 2813912      | 13172021.1 |        |
| 2813949 | ABB Schweiz AG   | 11/06/2013             | 2813949      | 13171337.2 |        |
| 2814113 | Ampleon Netherlands B.V.   | 14/06/2013             | 2814113      | 13290140.6 |        |
| 2814181 | Sun Patent Trust   | 14/06/2012             | 2814181      | 14173767.6 |        |
| 2814412 | Warsaw Orthopedic, Inc.  | 04/02/2013             | 2814412      | 13749333.4 |        |
| 2814958 | The Children's Hospital of Philadelphia  | 19/02/2013             | 2814958      | 13749822.6 |        |
| 2815120 | Clarcor Engine Mobile Solutions, LLC   | 09/03/2012             | 2815120      | 12868540.1 |        |

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| 2815233 | Smiths Detection-Watford Limited                           | 15/02/2013 | 2815233 | 13726855.3 |        |
| 2815532 | Intel Corporation  | 13/02/2012 | 2815532 | 12868502.1 |        |
| 2815717 | Createch Medical, S.L.                                     | 18/06/2014 | 2815717 | 14172940.0 |        |
| 2815963 | Goodrich Corporation                                       | 17/04/2014 | 2815963 | 14165251.1 |        |
| 2816107 | Gao, Hong<br>Zhu, Zhenglun                                 | 16/06/2014 | 2816107 | 14172624.0 |        |
| 2816335 | Honeywell International Inc.                               | 06/06/2014 | 2816335 | 14171624.1 |        |
| 2816465 | Certicom Corp.   | 18/06/2013 | 2816465 | 13172549.1 |        |
| 2816633 | GS Yuasa International Ltd.                                | 05/06/2014 | 2816633 | 14171298.4 |        |
| 2816642 | Mitsubishi Chemical Corporation                            | 13/02/2013 | 2816642 | 13749643.6 |        |
| 2816819 | Bose Corporation   | 13/04/2012 | 2816819 | 14177513.0 |        |
| 2816981 | Medtronic Vascular Inc.                                    | 31/01/2013 | 2816981 | 13704324.6 |        |
| 2817533 | Dayco Europe S.R.L.  | 20/02/2013 | 2817533 | 13720021.8 |        |
| 2817939 | Wyse Technology L.L.C.                                     | 22/02/2013 | 2817939 | 13710651.4 |        |
| 2818347 | Volvo Car Corporation                                      | 27/06/2013 | 2818347 | 13173997.1 |        |
| 2818481 | Toray Industries, Inc.                                     | 21/02/2013 | 2818481 | 13751159.8 |        |
| 2818934 | Oki Data Corporation                                       | 18/06/2014 | 2818934 | 14172971.5 |        |
| 2819789 | thyssenkrupp Rothe Erde GmbH                               | 27/02/2013 | 2819789 | 13708727.6 | German |
| 2820787 | Qualcomm Incorporated                                      | 28/02/2013 | 2820787 | 13710695.1 |        |
| 2820916 | I.R.C.A. S.p.A. Industria Resistenze<br>Corazzate e Affini | 01/03/2013 | 2820916 | 13720043.2 |        |
| 2820922 | Signify Holding B.V.                                       | 20/02/2013 | 2820922 | 13715759.0 |        |
| 2821048 | SEB S.A.   | 25/06/2014 | 2821048 | 14173969.8 | French |
| 2821263 | Kögel Trailer GmbH   | 24/06/2014 | 2821263 | 14173572.0 | German |
| 2821856 | HP Printing Korea Co., Ltd.                                | 14/01/2014 | 2821856 | 14151189.9 |        |
| 2822634 | Clearstream Technologies Limited                           | 08/03/2013 | 2822634 | 13716874.6 |        |
| 2822718 | Tenneco Inc.   | 08/03/2013 | 2822718 | 13712412.9 |        |
| 2822967 | CSL Behring AG   | 08/03/2013 | 2822967 | 13708786.2 |        |
| 2823265 | Marel Iceland EHF  | 08/03/2013 | 2823265 | 13708183.2 |        |
| 2823312 | GlaxoSmithKline Biologicals SA                             | 08/03/2013 | 2823312 | 13710328.9 |        |
| 2823756 | Canon Kabushiki Kaisha                                     | 20/06/2014 | 2823756 | 14173209.9 |        |
| 2824265 | MACO Technologie GmbH                                      | 17/06/2014 | 2824265 | 14172813.9 | German |
| 2824549 | Sony Corporation   | 25/01/2013 | 2824549 | 13758637.6 |        |
| 2824910 | LG Electronics, Inc.                                       | 30/06/2014 | 2824910 | 14002236.9 |        |
| 2825646 | Cambridge Enterprise Limited                               | 15/03/2013 | 2825646 | 13717812.5 |        |

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| 2825663 | Board of Trustees of the University of Arkansas<br>University of Pittsburgh - Of the Commonwealth System of Higher Education | 12/03/2013             | 2825663      | 13714069.5 |        |
| 2826546 | IDEX Health & Science LLC  | 06/06/2014             | 2826546      | 14171507.8 |        |
| 2827714 | Dow AgroSciences LLC   | 14/03/2013             | 2827714      | 13764576.8 |        |
| 2829220 | Utsunomiya University  | 19/03/2013             | 2829220      | 13764298.9 |        |
| 2829330 | Wallin, John   | 19/06/2014             | 2829330      | 14002121.3 |        |
| 2829451 | Knorr-Bremse Gesellschaft mit beschränkter Haftung   | 24/06/2014             | 2829451      | 14173648.8 | German |
| 2829665 | Valentin SAS   | 22/07/2014             | 2829665      | 14177960.3 | French |
| 2830484 | Koninklijke Philips N.V.   | 28/03/2013             | 2830484      | 13724380.4 |        |
| 2832188 | Lutron Technology Company LLC  | 13/03/2013             | 2832188      | 13718425.5 |        |
| 2832900 | Kabushiki Kaisha Toyota Chuo Kenkyusho<br>Denso Corporation  | 01/11/2012             | 2832900      | 12873342.5 |        |
| 2833486 | METZ CONNECT TECH GmbH   | 25/03/2014             | 2833486      | 14161609.4 | German |
| 2834075 | X-Card Holdings, LLC   | 26/03/2013             | 2834075      | 13773028.9 |        |
| 2834808 | ETH Zurich   | 27/03/2013             | 2834808      | 13714183.4 |        |
| 2835330 | NCR Corporation  | 19/06/2014             | 2835330      | 14173073.9 |        |
| 2835837 | Citizen Electronics Co., Ltd.<br>Citizen Watch Co., Ltd.   | 15/03/2013             | 2835837      | 13772536.2 |        |
| 2835918 | LG Electronics Inc.  | 05/04/2013             | 2835918      | 13771907.6 |        |
| 2836055 | SUMITOMO CHEMICAL COMPANY, LIMITED   | 05/04/2013             | 2836055      | 13771764.1 |        |
| 2836143 | Ethicon LLC  | 05/04/2013             | 2836143      | 13718251.5 |        |
| 2836477 | The Procter & Gamble Company   | 11/04/2013             | 2836477      | 13719330.6 |        |
| 2836572 | Stora Enso Oyj   | 12/04/2013             | 2836572      | 13775002.2 |        |
| 2836690 | Woodward, Inc.   | 10/06/2014             | 2836690      | 14734707.4 |        |
| 2837209 | Koninklijke Philips N.V.   | 02/04/2013             | 2837209      | 13722846.6 |        |
| 2837260 | Tridonic GmbH & Co. KG   | 15/04/2013             | 2837260      | 13725047.8 | German |
| 2837451 | SMW-AUTOBLOK Spannsysteme GmbH   | 16/08/2013             | 2837451      | 13180712.5 | German |
| 2837928 | Halliburton Energy Services Inc.   | 28/10/2010             | 2837928      | 14191957.1 |        |
| 2838932 | Purac Biochem bv   | 15/04/2013             | 2838932      | 13715716.0 |        |
| 2838985 | Organovo, Inc.   | 12/04/2013             | 2838985      | 13778583.8 |        |
| 2839284 | National University of Singapore   | 22/05/2013             | 2839284      | 13793390.9 |        |

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|---------|--------------------------------------|------------|---------|------------|--------|
| 2839436 | Affirmation,LLC                      | 22/04/2013 | 2839436 | 13778674.5 |        |
| 2839961 | Oki Data Corporation                 | 13/02/2013 | 2839961 | 13778213.2 |        |
| 2840100 | S.P.C.M. SA                          | 18/08/2014 | 2840100 | 14181277.6 | French |
| 2840120 | Toppan Printing Co., Ltd.            | 21/08/2013 | 2840120 | 13830651.9 |        |
| 2840353 | 3Shape A/S                           | 20/06/2014 | 2840353 | 14173233.9 |        |
| 2840413 | ROBERT BOSCH GMBH                    | 11/06/2014 | 2840413 | 14171863.5 | German |
| 2840670 | Amada Holdings Co., Ltd.             | 05/04/2013 | 2840670 | 13779047.3 |        |
| 2841101 | University Of Chicago                | 15/03/2013 | 2841101 | 13781905.8 |        |
| 2841119 | Medtronic Vascular Inc.              | 15/02/2013 | 2841119 | 13708954.6 |        |
| 2843380 | Mesnac. Co. Ltd                      | 12/03/2013 | 2843380 | 13780694.9 |        |
| 2843900 | The Boeing Company                   | 14/08/2014 | 2843900 | 14181019.2 |        |
| 2843954 | Intel Corporation                    | 11/08/2014 | 2843954 | 14180463.3 |        |
| 2844152 | Orthohelix Surgical Designs, Inc.    | 04/04/2013 | 2844152 | 13773154.3 |        |
| 2844368 | Dow Global Technologies LLC          | 29/04/2013 | 2844368 | 13722205.5 |        |
|         | Georgia Tech Research Corporation    |            |         |            |        |
| 2844406 | Primetals Technologies Austria GmbH  | 03/05/2013 | 2844406 | 13720387.3 |        |
| 2844504 | Wonder SPA                           | 02/05/2013 | 2844504 | 13737432.8 |        |
| 2844997 | Samsung Electronics Co., Ltd.        | 27/12/2012 | 2844997 | 12875069.2 |        |
| 2845413 | Qualcomm Incorporated                | 02/05/2013 | 2845413 | 13722243.6 |        |
| 2845425 | T-Mobile Czech Republic A.S.         | 02/05/2013 | 2845425 | 13724183.2 |        |
| 2845493 | Société des Produits Nestlé S.A.     | 11/01/2011 | 2845493 | 14187178.0 |        |
| 2846105 | LG Electronics Inc.                  | 21/08/2014 | 2846105 | 14181799.9 |        |
| 2846123 | MBDA Deutschland GmbH                | 05/09/2013 | 2846123 | 13004352.4 | German |
| 2846230 | Immersion Corporation                | 08/09/2014 | 2846230 | 14184000.9 |        |
| 2847193 | Sunovion Pharmaceuticals Inc.        | 09/05/2013 | 2847193 | 13787303.0 |        |
| 2847286 | OCE-Technologies B.V.                | 25/04/2013 | 2847286 | 13722712.0 |        |
| 2847339 | Qvidja Kraft AB                      | 07/05/2013 | 2847339 | 13788252.8 |        |
| 2847681 | Microchip Technology Incorporated    | 07/05/2013 | 2847681 | 13724093.3 |        |
| 2848952 | Calsonic Kansei Corporation          | 01/04/2013 | 2848952 | 13788405.2 |        |
|         | Keio University                      |            |         |            |        |
| 2849005 | Mitsubishi Electric Corporation      | 10/05/2012 | 2849005 | 12876411.5 |        |
| 2849358 | LG Electronics Inc.                  | 06/05/2013 | 2849358 | 13788199.1 |        |
| 2849460 | Ricoh Company, Ltd.                  | 18/08/2014 | 2849460 | 14181210.7 |        |
| 2850398 | Robert Bosch GmbH                    | 25/03/2013 | 2850398 | 13713144.7 | German |
| 2850900 | Huawei Technologies Co., Ltd.        | 26/06/2013 | 2850900 | 13809035.2 |        |
| 2850918 | Lumenpulse Group Inc.                | 12/12/2012 | 2850918 | 12810489.0 |        |
| 2851678 | Hitachi High-Tech Analytical Science | 11/09/2014 | 2851678 | 14184342.5 |        |
|         | Finland Oy                           |            |         |            |        |

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|---------|--|------------------------|--------------|------------|--------|
| 2851804 | FUJITSU LIMITED  | 21/08/2014             | 2851804      | 14181728.8 |        |
| 2852104 | Huawei Technologies Co., Ltd.  | 05/06/2013             | 2852104      | 13800003.9 |        |
| 2852606 | The Regents of the University of California<br>Rosenfeld, Michael G.<br>Li, Wenbo<br>Ionis Pharmaceuticals, Inc. | 22/05/2013             | 2852606      | 13794101.9 |        |
| 2852916 | Bruun, Johan Musaeus<br>Carstensen, Jens Michael<br>Moliin Outzen Kapel, Christiian<br>Parasite Technologies A/S | 21/03/2013             | 2852916      | 13714850.8 |        |
| 2854525 | Suterra LLC  | 04/06/2013             | 2854525      | 13800117.7 |        |
| 2854532 | Bayer Cropscience AG   | 29/05/2013             | 2854532      | 13726744.9 |        |
| 2854828 | Korea Institute of Science and Technology  | 24/05/2013             | 2854828      | 13794326.2 |        |
| 2854847 | Zoetis Services LLC  | 24/05/2013             | 2854847      | 13729146.4 |        |
| 2854928 | C.R. Bard, Inc.  | 24/05/2013             | 2854928      | 13793874.2 |        |
| 2854938 | Molsberger, Albrecht   | 27/05/2013             | 2854938      | 13730135.4 | German |
| 2854969 | NIKE Innovate C.V.   | 31/05/2013             | 2854969      | 13731189.0 |        |
| 2855130 | Vestas Wind Systems A/S  | 28/05/2013             | 2855130      | 13725562.6 |        |
| 2855622 | Halliburton Energy Services Inc.   | 17/03/2013             | 2855622      | 13721139.7 |        |
| 2855766 | Buckman Laboratories International, Inc  | 04/06/2013             | 2855766      | 13728914.6 |        |
| 2856097 | fos4X GmbH   | 04/06/2013             | 2856097      | 13726797.7 | German |
| 2856236 | Robe Lighting s.r.o.   | 03/06/2013             | 2856236      | 13762614.9 |        |
| 2856544 | Audi AG  | 05/06/2012             | 2856544      | 12881003.3 |        |
| 2856833 | Telefonaktiebolaget LM Ericsson (publ)   | 05/06/2012             | 2856833      | 12878532.6 |        |
| 2857476 | Daehan Ceramics Co., Ltd.  | 29/11/2012             | 2857476      | 12877507.9 |        |
| 2857851 | Fico Triad, S.A.   | 03/10/2013             | 2857851      | 13187220.2 |        |
| 2858402 | Huawei Technologies Co., Ltd.  | 04/06/2012             | 2858402      | 12878593.8 |        |
| 2858678 | QuiaPEG Pharmaceuticals AB   | 12/06/2013             | 2858678      | 13771595.9 |        |
| 2858964 | Etex Building Performance International SAS  | 05/06/2013             | 2858964      | 13727147.4 |        |
| 2859140 | Memminger-IRO GmbH   | 07/06/2013             | 2859140      | 13728167.1 | German |
| 2859324 | Bio-rad Laboratories, Inc.   | 07/06/2013             | 2859324      | 13801005.3 |        |
| 2859427 | BlackBerry Limited   | 12/06/2012             | 2859427      | 12878892.4 |        |
| 2859538 | Giesecke+Devrient Currency Technology GmbH   | 05/06/2013             | 2859538      | 13727051.8 | German |



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| 2859635 | ABB Schweiz AG   | 06/06/2012 | 2859635 | 12878421.2 |        |
| 2859689 | Extreme Networks, Inc.                                   | 07/06/2013 | 2859689 | 13732006.5 |        |
| 2859932 | Massold, Andreas<br>Sommer, Frank                        | 11/10/2013 | 2859932 | 13004899.4 | German |
| 2859959 | Yonwoo Co., Ltd.   | 14/10/2013 | 2859959 | 13188504.8 |        |
| 2860296 | Panasonic Intellectual Property<br>Management Co., Ltd.  | 11/06/2013 | 2860296 | 13804269.2 |        |
| 2860546 | Hexagon Technology Center GmbH                           | 09/10/2013 | 2860546 | 13187890.2 | German |
| 2860958 | Olympus Corporation                                      | 13/03/2013 | 2860958 | 13797232.9 |        |
| 2861180 | Vita Zahnfabrik H. Rauter GmbH &<br>Co. KG               | 13/06/2013 | 2861180 | 13728223.2 |        |
| 2861319 | Wacker Chemie AG   | 13/06/2013 | 2861319 | 13728394.1 | German |
| 2861423 | AGC Glass Europe   | 12/06/2013 | 2861423 | 13731059.5 | French |
| 2861922 | BSH Hausgeräte GmbH                                      | 07/06/2013 | 2861922 | 13730830.0 | German |
| 2862116 | Microsoft Israel Research and<br>Development (2002) Ltd. | 17/06/2013 | 2862116 | 13806845.7 |        |
| 2862236 | Phoenix Contact GmbH & Co. KG                            | 06/06/2013 | 2862236 | 13730482.0 | German |
| 2862409 | Alcatel Lucent   | 13/06/2013 | 2862409 | 13732321.8 |        |
| 2862721 | HP Printing Korea Co., Ltd.                              | 08/08/2014 | 2862721 | 14180311.4 |        |
| 2862957 | Coatings Foreign IP Co. LLC                              | 16/10/2014 | 2862957 | 14189269.5 |        |
| 2863697 | Huawei Technologies Co., Ltd.                            | 08/06/2013 | 2863697 | 13804557.0 |        |
| 2864123 | Hewlett-Packard Development<br>Company, L.P.             | 25/09/2012 | 2864123 | 12885726.5 |        |
| 2864135 | Pirelli Tyre S.p.A.                                      | 05/06/2013 | 2864135 | 13739809.5 |        |
| 2864183 | Scania CV AB   | 18/06/2013 | 2864183 | 13806519.8 |        |
| 2864263 | SCHOTT AG  | 25/06/2013 | 2864263 | 13730606.4 | German |
| 2864264 | SCHOTT AG  | 25/06/2013 | 2864264 | 13731140.3 | German |
| 2864277 | UOP LLC  | 20/06/2013 | 2864277 | 13810808.9 |        |
| 2864358 | Sorrento Therapeutics, Inc.                              | 21/06/2013 | 2864358 | 13807252.5 |        |
| 2864641 | Robert Bosch GmbH  | 25/06/2013 | 2864641 | 13734691.2 | German |
| 2864875 | FusionLayer Oy   | 18/06/2013 | 2864875 | 13806753.3 |        |
| 2864964 | Koninklijke Philips N.V.                                 | 13/06/2013 | 2864964 | 13747868.1 |        |
| 2865217 | Texecom Limited  | 20/06/2013 | 2865217 | 13736607.6 |        |
| 2865328 | Nihon Kohden Corporation                                 | 28/10/2014 | 2865328 | 14190564.6 |        |
| 2865393 | Micromedmark Biotech Co., Ltd                            | 21/06/2013 | 2865393 | 13807063.6 |        |
| 2865444 | Panasonic Corporation                                    | 25/06/2013 | 2865444 | 13808510.5 |        |
| 2865859 | AI ALPINE US BIDCO INC.                                  | 17/10/2014 | 2865859 | 14189312.3 |        |
| 2866138 | Teknologian tutkimuskeskus VTT Oy                        | 23/10/2013 | 2866138 | 13189861.1 |        |

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| 2866361 | LG Electronics Inc.                                    | 24/06/2013             | 2866361      | 13808971.9 |        |
| 2866497 | Sony Corporation                                       | 14/03/2013             | 2866497      | 13810267.8 |        |
| 2866544 | CNH Industrial Belgium nv                              | 18/06/2012             | 2866544      | 12800619.4 |        |
| 2866666 | Mobius Imaging, LLC                                    | 28/06/2013             | 2866666      | 13810875.8 |        |
| 2867160 | Rotem Amfert Negev Ltd.                                | 27/06/2013             | 2867160      | 13809225.9 |        |
| 2867178 | Owens-Brockway Glass Container INC.                    | 14/06/2013             | 2867178      | 13731239.3 |        |
| 2867830 | Invia<br>Orange  | 27/06/2013             | 2867830      | 13732904.1 | French |
| 2867996 | Teknologian tutkimuskeskus VTT Oy                      | 20/06/2013             | 2867996      | 13752935.0 |        |
| 2868012 | Hewlett Packard Enterprise<br>Development LP           | 28/06/2012             | 2868012      | 12880104.0 |        |
| 2868767 | ULVAC, Inc.  | 19/06/2013             | 2868767      | 13810005.2 |        |
| 2869628 | Sharp Kabushiki Kaisha                                 | 27/06/2013             | 2869628      | 13809711.8 |        |
| 2869843 | GlaxoSmithKline Biologicals SA                         | 29/06/2013             | 2869843      | 13736518.5 |        |
| 2869898 | Henkel AG & Co. KGaA                                   | 28/06/2013             | 2869898      | 13732500.7 | German |
| 2870014 | Plastic Omnium Automotive Exteriors<br>GmbH            | 06/06/2013             | 2870014      | 13727189.6 |        |
| 2870229 | Unilever N.V.<br>Unilever PLC                          | 14/06/2013             | 2870229      | 13730199.0 |        |
| 2870437 | Endress+Hauser SE+Co. KG                               | 07/06/2013             | 2870437      | 13727610.1 | German |
| 2872068 | KDS Holding GmbH                                       | 11/07/2013             | 2872068      | 13783238.2 | German |
| 2872191 | LifeCell Corporation                                   | 27/06/2013             | 2872191      | 13742769.6 |        |
| 2873157 | Avago Technologies International Sales<br>Pte. Limited | 14/06/2013             | 2873157      | 13806419.1 |        |
| 2873269 | Telefonaktiebolaget LM Ericsson (publ)                 | 26/06/2013             | 2873269      | 13765770.6 |        |
| 2873389 | Badrena Morales, Monica                                | 04/07/2013             | 2873389      | 13812844.2 |        |
| 2873958 | ROSEMOUNT AEROSPACE INC.                               | 14/11/2014             | 2873958      | 14193262.4 |        |
| 2873979 | Fluke Precision Measurement Ltd.                       | 13/11/2014             | 2873979      | 14193047.9 |        |
| 2875404 | ASML Netherlands B.V.                                  | 25/06/2013             | 2875404      | 13730902.7 |        |
| 2876137 | Rohm and Haas Company<br>Dow Global Technologies LLC   | 10/11/2014             | 2876137      | 14192552.9 |        |
| 2876159 | Japan Science and Technology Agency                    | 17/06/2013             | 2876159      | 13810803.0 |        |
| 2876720 | Samsung SDI Co., Ltd.                                  | 13/06/2014             | 2876720      | 14172277.7 |        |
| 2876735 | Tyco Electronics Raychem GmbH                          | 21/11/2013             | 2876735      | 13193871.4 |        |
| 2878670 | Kinki University<br>Link Genomics, Inc.                | 10/06/2013             | 2878670      | 13799754.0 |        |
| 2879389 | Honeywell International Inc.                           | 30/10/2014             | 2879389      | 14191186.7 |        |
| 2879401 | NXP B.V.   | 28/11/2013             | 2879401      | 13194907.5 |        |

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| 2880913 | Telefonaktiebolaget LM Ericsson (publ)   | 03/06/2013 | 2880913 | 13726520.3 |        |
| 2881120 | Kangwon National University<br>University-Industry Cooperation<br>Foundation<br>Amolifescience Co., Ltd.   | 28/05/2013 | 2881120 | 13828414.6 |        |
| 2881270 | Valeo Klimasysteme GmbH  | 29/10/2014 | 2881270 | 14190951.5 |        |
| 2881298 | ROBERT BOSCH GMBH  | 03/11/2014 | 2881298 | 14191488.7 | German |
| 2881487 | Baoshan Iron & Steel Co., Ltd.   | 31/01/2013 | 2881487 | 13826542.6 |        |
| 2881514 | Miele & Cie. KG  | 12/11/2014 | 2881514 | 14192758.2 | German |
| 2882118 | NEC Corporation  | 07/05/2013 | 2882118 | 13825957.7 |        |
| 2882166 | Samsung Electronics Co., Ltd.  | 09/12/2014 | 2882166 | 14197022.8 |        |
| 2882874 | Primetals Technologies Austria GmbH  | 20/06/2013 | 2882874 | 13737131.6 | German |
| 2882989 | GE Oil & Gas UK Limited  | 12/07/2013 | 2882989 | 13735350.4 |        |
| 2883309 | Ricoh Company, Ltd.  | 11/09/2013 | 2883309 | 13836839.4 |        |
| 2883906 | Daicel Corporation   | 08/08/2013 | 2883906 | 13827218.2 |        |
| 2883947 | Alfa Laval Corporate AB  | 10/12/2013 | 2883947 | 13196489.2 |        |
| 2884216 | NEXTER Systems   | 27/11/2014 | 2884216 | 14195228.3 | French |
| 2884407 | SAP SE   | 30/10/2014 | 2884407 | 14003671.6 |        |
| 2884792 | Viavi Solutions UK Limited   | 11/12/2014 | 2884792 | 14197440.2 |        |
| 2884998 | Colorado Seminary which owns and<br>operates The University of Denver<br>The United States of America, as<br>represented by The Secretary,<br>Department of Health and Human<br>Services | 13/08/2013 | 2884998 | 13829120.8 |        |
| 2885046 | CHD Bioscience, Inc.   | 14/08/2013 | 2885046 | 13829704.9 |        |
| 2885336 | Clariant International Ltd   | 14/08/2013 | 2885336 | 13750267.0 | German |
| 2885747 | Telefonaktiebolaget LM Ericsson (publ)   | 17/08/2012 | 2885747 | 12759836.5 |        |
| 2887027 | Siemens Energy, Inc.   | 24/11/2014 | 2887027 | 14194601.2 |        |
| 2887354 | IMEC VZW<br>Katholieke Universiteit Leuven   | 20/12/2013 | 2887354 | 13198870.1 |        |
| 2887620 | Alcatel Lucent   | 20/12/2013 | 2887620 | 13306803.1 |        |
| 2887638 | MEKRA LANG GmbH & Co. KG   | 04/12/2014 | 2887638 | 14196289.4 | German |
| 2887682 | Samsung Electronics Co., Ltd.  | 18/01/2010 | 2887682 | 15153492.2 |        |
| 2887986 | ResMed Paris SAS   | 22/08/2013 | 2887986 | 13766233.4 |        |
| 2887992 | Cardiac Pacemakers, Inc.   | 18/03/2013 | 2887992 | 13712663.7 |        |
| 2888289 | Dow Global Technologies LLC  | 15/08/2013 | 2888289 | 13752792.5 |        |
| 2889575 | Canon Kabushiki Kaisha   | 09/06/2011 | 2889575 | 15151217.5 |        |

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| 2890708 | Doschak, Michael<br>Yang, Yang<br>Bhandari, Krishna, Hari<br>The Governors of the University of<br>Alberta | 28/08/2013             | 2890708      | 13832369.6 |        |
| 2891462 | Covidien LP  | 22/12/2014             | 2891462      | 14199690.0 |        |
| 2891539 | Aisin Seiki Kabushiki Kaisha   | 21/08/2013             | 2891539      | 13833673.0 |        |
| 2891644 | NGK Insulators, Ltd.   | 30/08/2013             | 2891644      | 13832831.5 |        |
| 2892054 | Renesas Electronics Corporation  | 29/08/2012             | 2892054      | 12883828.1 |        |
| 2892607 | Corindus, Inc  | 06/09/2013             | 2892607      | 13835435.2 |        |
| 2894812 | Cisco Technology, Inc.   | 22/12/2014             | 2894812      | 14199915.1 |        |
| 2895126 | The Procter & Gamble Company   | 10/09/2013             | 2895126      | 13770551.3 |        |
| 2895556 | Mitsubishi Engineering-Plastics<br>Corporation   | 12/09/2013             | 2895556      | 13771225.3 |        |
| 2896712 | NHK Spring Co., Ltd.   | 05/09/2013             | 2896712      | 13837663.7 |        |
| 2896741 | Toray Industries, Inc.   | 13/09/2013             | 2896741      | 13836539.0 |        |
| 2896911 | Mitsubishi Electric Corporation  | 07/09/2012             | 2896911      | 12884004.8 |        |
| 2897005 | Omron Corporation  | 21/08/2013             | 2897005      | 13836513.5 |        |
| 2897315 | Mitsubishi Electric Corporation  | 21/08/2013             | 2897315      | 13837729.6 |        |
| 2898001 | Devan Chemicals NV   | 05/09/2013             | 2898001      | 13758874.5 |        |
| 2898238 | Bümach Engineering International B.V.  | 19/09/2013             | 2898238      | 13798547.9 | German |
| 2898392 | Qualcomm Incorporated  | 11/09/2013             | 2898392      | 13766192.2 |        |
| 2898486 | Robert Bosch GmbH  | 20/09/2013             | 2898486      | 13766044.5 | German |
| 2898505 | Qualcomm Incorporated  | 21/08/2013             | 2898505      | 13759354.7 |        |
| 2898675 | Robert Bosch GmbH  | 16/09/2013             | 2898675      | 13766926.3 | German |
| 2899535 | Krones AG  | 05/12/2014             | 2899535      | 14196482.5 | German |
| 2900869 | Kimberly-Clark Worldwide, Inc.   | 11/09/2013             | 2900869      | 13842775.2 |        |
| 2901125 | Advanced Mechanical Technology, Inc.   | 28/09/2012             | 2901125      | 12885216.7 |        |
| 2901204 | Samsung Electronics Co., Ltd.  | 13/12/2013             | 2901204      | 13862784.9 |        |
| 2902025 | Kowa Company Ltd.  | 27/09/2013             | 2902025      | 13842381.9 |        |
| 2902068 | Smith & Nephew plc   | 28/10/2003             | 2902068      | 15152570.6 |        |
| 2902665 | Alps Alpine Co., Ltd.  | 11/12/2014             | 2902665      | 14197308.1 |        |
| 2903071 | Murata Manufacturing Co., Ltd.   | 20/09/2013             | 2903071      | 13841328.1 |        |
| 2903167 | Sanechips Technology Co., Ltd.   | 26/09/2013             | 2903167      | 13840222.7 |        |
| 2903530 | MAYO FOUNDATION FOR<br>MEDICAL EDUCATION AND<br>RESEARCH   | 30/09/2013             | 2903530      | 13844129.0 |        |
| 2903685 | Cardiac Pacemakers, Inc.   | 30/09/2013             | 2903685      | 13777382.6 |        |

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|---------|---|------------|---------|------------|--------|
| 2903718 | IFP Energies nouvelles  | 12/09/2013 | 2903718 | 13774747.3 | French |
| 2904214 | United Technologies Corporation   | 22/02/2013 | 2904214 | 13844100.1 |        |
| 2904656 | Nuvera Fuel Cells, LLC  | 30/09/2013 | 2904656 | 13774591.5 |        |
| 2904962 | Deutsches Zentrum für Luft- und<br>Raumfahrt e.V.   | 20/01/2015 | 2904962 | 15151807.3 | German |
| 2905649 | LG ELECTRONICS INC.   | 24/09/2014 | 2905649 | 14186249.0 |        |
| 2905758 | Wincor Nixdorf International GmbH   | 06/02/2014 | 2905758 | 14154182.1 | German |
| 2906219 | NeRRe Therapeutics Limited  | 09/10/2013 | 2906219 | 13774189.8 |        |
| 2906417 | Saint-Gobain Glass France   | 27/09/2013 | 2906417 | 13770683.4 | German |
| 2906542 | Merck Sharp & Dohme Corp.   | 11/10/2013 | 2906542 | 13844724.8 |        |
| 2906942 | Industrial Test Systems, Inc.   | 04/10/2013 | 2906942 | 13845256.0 |        |
| 2907319 | ATG Ad Tech Group GmbH  | 09/10/2013 | 2907319 | 13802222.3 | German |
| 2907534 | Cane' S.p.A.  | 03/02/2015 | 2907534 | 15153543.2 |        |
| 2907802 | Takeda Pharmaceutical Company<br>Limited  | 11/10/2013 | 2907802 | 13845823.7 |        |
| 2908077 | HOSOKAWA MICRON<br>CORPORATION  | 02/10/2013 | 2908077 | 13845246.1 |        |
| 2908923 | Hydac Filtrertechnik GmbH   | 11/10/2013 | 2908923 | 13780066.0 | German |
| 2909017 | AVINTIV Specialty Materials Inc.  | 10/10/2013 | 2909017 | 13847097.6 |        |
| 2910692 | ESCO Group LLC  | 06/05/2008 | 2910692 | 14180148.0 |        |
| 2911644 | Deb IP Limited  | 25/10/2013 | 2911644 | 13789376.4 |        |
| 2911745 | ViewRay Technologies, Inc.  | 25/10/2013 | 2911745 | 13789652.8 |        |
| 2911828 | Ridge Tool Company  | 25/10/2013 | 2911828 | 13848146.0 |        |
| 2912151 | ExxonMobil Research and Engineering<br>Company  | 27/09/2013 | 2912151 | 13773574.2 |        |
| 2912197 | Takara Bio USA, Inc.  | 18/10/2013 | 2912197 | 13848994.3 |        |
| 2912283 | Nuovo Pignone S.r.l.  | 06/09/2013 | 2912283 | 13759506.2 |        |
| 2912426 | Lammel, Gerhard<br>Waffenschmidt, Sybille<br>Robert Bosch GmbH<br>Feyh, Ando<br>O'Brien, Gary<br>Graham, Andrew | 25/10/2013 | 2912426 | 13788852.5 |        |
| 2912462 | Celgene Corporation   | 23/10/2013 | 2912462 | 13848471.2 |        |
| 2913034 | EOS GmbH  | 27/02/2014 | 2913034 | 14156968.1 | German |
| 2913707 | Samsung Electronics Co., Ltd.   | 26/02/2015 | 2913707 | 15156789.8 |        |
| 2913961 | BSH Hausgeräte GmbH   | 27/02/2015 | 2913961 | 15156840.9 | German |
| 2914173 | Vital Connect, Inc.   | 01/11/2013 | 2914173 | 13850267.9 |        |

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| 2914743 | Life Technologies Corporation               | 04/11/2013             | 2914743      | 13795633.0 |        |
| 2914749 | The Regents of the University of California | 05/11/2013             | 2914749      | 13850293.5 |        |
| 2914790 | Technische Universität Wien                 | 28/10/2013             | 2914790      | 13785836.1 | German |
| 2914852 | Medtronic Inc.                              | 29/10/2013             | 2914852      | 13798777.2 |        |
| 2917502 | Safran Helicopter Engines                   | 07/10/2013             | 2917502      | 13782804.2 | French |
| 2918013 | Newport Corporation                         | 21/10/2013             | 2918013      | 13853505.9 |        |
| 2918304 | Asahi Intecc Co., Ltd.                      | 06/02/2015             | 2918304      | 15154085.3 |        |
| 2918704 | FRANZ Oberflächentechnik GmbH & Co KG       | 14/03/2014             | 2918704      | 14000963.0 | German |
| 2918786 | Mitsubishi Hitachi Power Systems, Ltd.      | 23/04/2013             | 2918786      | 13853948.1 |        |
| 2918807 | Yanmar Co., Ltd.                            | 03/10/2013             | 2918807      | 13846149.6 |        |
| 2919077 | ETA SA Manufacture Horlogère Suisse         | 24/02/2015             | 2919077      | 15156373.1 | French |
| 2919285 | Toyoda Gosei Co., Ltd.                      | 06/02/2015             | 2919285      | 15154164.6 |        |
| 2919885 | NOVARES FRANCE                              | 13/11/2013             | 2919885      | 13803139.8 | French |
| 2920003 | Europe Brands S.à r.l.                      | 06/12/2013             | 2920003      | 13811721.3 |        |
| 2920480 | FCA US LLC                                  | 18/11/2013             | 2920480      | 13802162.1 |        |
| 2921390 | Yamaha Hatsudoki Kabushiki Kaisha           | 19/12/2013             | 2921390      | 13864809.2 |        |
| 2922148 | Huawei Device Co., Ltd.                     | 09/06/2014             | 2922148      | 14811233.7 |        |
| 2922299 | Immersion Corporation                       | 20/03/2015             | 2922299      | 15160184.6 |        |
| 2922870 | The Governors of the University of Alberta  | 21/11/2013             | 2922870      | 13856783.9 |        |
| 2923245 | Phoenix Contact GmbH & Co. KG               | 14/11/2013             | 2923245      | 13792598.8 | German |
| 2923262 | Cadens Medical Imaging Inc.                 | 22/11/2013             | 2923262      | 13856130.3 |        |
| 2923821 | Sogefi Engine Systems USA, Inc.             | 26/03/2015             | 2923821      | 15161007.8 |        |
| 2924758 | LG Display Co., Ltd.                        | 15/10/2014             | 2924758      | 14189011.1 |        |
| 2924917 | Huawei Technologies Co., Ltd.               | 14/12/2012             | 2924917      | 12890113.9 |        |
| 2925916 | Contipro a.s.                               | 26/11/2013             | 2925916      | 13826919.6 |        |
| 2926505 | Airbus Defence and Space GmbH               | 26/11/2013             | 2926505      | 13831958.7 | German |
| 2926604 | VALMET AUTOMATION OY                        | 30/11/2012             | 2926604      | 12888981.3 |        |
| 2926655 | Globeride, Inc.                             | 19/11/2013             | 2926655      | 13858026.1 |        |
| 2926897 | ZeoSys GmbH                                 | 02/04/2015             | 2926897      | 15162339.4 | German |
| 2926998 | Brother Kogyo Kabushiki Kaisha              | 22/12/2014             | 2926998      | 14199800.5 |        |
| 2927430 | United Technologies Corporation             | 01/04/2015             | 2927430      | 15162139.8 |        |
| 2927487 | HYDAC Accessories GmbH                      | 30/03/2015             | 2927487      | 15000928.0 | German |
| 2927700 | ABB Schweiz AG                              | 01/04/2014             | 2927700      | 14163004.6 |        |
| 2927843 | Kyocera Document Solutions Inc.             | 30/03/2015             | 2927843      | 15161595.2 |        |
| 2927984 | LG Chem, Ltd.                               | 02/12/2013             | 2927984      | 13858479.2 |        |

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| 2928045 | Niko NV  | 23/03/2015 | 2928045 | 15160224.0 |        |
| 2928493 | TheVax Genetics Vaccine Co., Ltd.  | 03/12/2013 | 2928493 | 13860021.8 |        |
| 2928607 | Radisens Diagnostics Ltd.  | 05/12/2013 | 2928607 | 13820739.4 |        |
| 2929228 | Blue Wave Co S.A.  | 05/12/2012 | 2929228 | 12805509.2 |        |
| 2929513 | Knox Associates, Dba Knox Company  | 04/12/2013 | 2929513 | 13811077.0 |        |
| 2929746 | Telefonaktiebolaget LM Ericsson (publ)   | 04/12/2012 | 2929746 | 12799667.6 |        |
| 2930050 | Volkswagen Aktiengesellschaft  | 08/04/2014 | 2930050 | 14163888.2 | German |
| 2930228 | JX Nippon Oil & Energy Corporation   | 28/11/2013 | 2930228 | 13860534.0 |        |
| 2930261 | Miele & Cie. KG  | 30/03/2015 | 2930261 | 15161681.0 | German |
| 2931730 | Merck Sharp & Dohme Corp.  | 12/12/2013 | 2931730 | 13864799.5 |        |
| 2932666 | Microsoft Technology Licensing, LLC  | 16/12/2013 | 2932666 | 13821025.7 |        |
| 2932704 | Thomson Licensing  | 13/12/2012 | 2932704 | 12890091.7 |        |
| 2933856 | Samsung SDI Co., Ltd.  | 10/03/2015 | 2933856 | 15158336.6 |        |
| 2934193 | Firmenich SA   | 16/12/2013 | 2934193 | 13811164.6 |        |
| 2934579 | GlaxoSmithKline Biologicals S.A.   | 20/12/2013 | 2934579 | 13817931.2 |        |
| 2934750 | Helmholtz Zentrum München -<br>Deutsches Forschungszentrum für<br>Gesundheit und Umwelt (GmbH)<br>Greiner Bio-One GmbH | 17/12/2013 | 2934750 | 13821457.2 | German |
| 2934796 | Sauter Feinmechanik GmbH   | 07/11/2013 | 2934796 | 13792257.1 | German |
| 2935833 | United Technologies Corporation  | 18/12/2013 | 2935833 | 13863795.4 |        |
| 2936432 | Koninklijke Philips N.V.   | 16/12/2013 | 2936432 | 13811178.6 |        |
| 2937743 | Nihon Techno Co., Ltd.   | 21/12/2012 | 2937743 | 12890340.8 |        |
| 2938384 | Clearstream Technologies Limited   | 31/12/2013 | 2938384 | 13840148.4 |        |
| 2938388 | Clearstream Technologies Limited   | 31/12/2013 | 2938388 | 13836213.2 |        |
| 2938510 | Valeo Systemes Thermiques  | 20/12/2013 | 2938510 | 13824595.6 | French |
| 2938704 | Suncoke Technology and Development<br>LLC  | 28/12/2012 | 2938704 | 12890832.4 |        |
| 2938847 | United Technologies Corporation  | 19/12/2013 | 2938847 | 13869044.1 |        |
| 2938868 | United Technologies Corporation  | 16/12/2013 | 2938868 | 13869595.2 |        |
| 2939003 | Biomérieux   | 23/12/2013 | 2939003 | 13824627.7 | French |
| 2939509 | CNH Industrial Belgium nv  | 29/04/2015 | 2939509 | 15165746.7 |        |
| 2940874 | Dialog Semiconductor (UK) Limited  | 30/04/2014 | 2940874 | 14368021.3 |        |
| 2940901 | Panasonic Intellectual Property<br>Corporation of America  | 27/12/2013 | 2940901 | 13869196.9 |        |
| 2941433 | Rhodes Technologies  | 23/12/2013 | 2941433 | 13823994.2 |        |
| 2942499 | Caterpillar Energy Solutions GmbH  | 04/04/2014 | 2942499 | 14001237.8 |        |

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| 2942687 | Toyota Motor Engineering & Manufacturing North America, Inc.               | 06/05/2015             | 2942687      | 15166610.4 |        |
| 2943382 | Robert Bosch GmbH  | 21/11/2013             | 2943382      | 13798976.0 | German |
| 2943511 | Xencor, Inc.   | 14/01/2014             | 2943511      | 14738267.5 |        |
| 2943581 | Biocon Limited   | 10/01/2014             | 2943581      | 14738048.9 |        |
| 2944122 | Telefonaktiebolaget LM Ericsson (publ)                                     | 24/06/2013             | 2944122      | 13870907.6 |        |
| 2944242 | New Ermes Europe S.r.l.  | 13/05/2015             | 2944242      | 15167570.9 |        |
| 2944387 | Nippon Steel Corporation   | 16/12/2013             | 2944387      | 13870430.9 |        |
| 2944523 | Froli Kunststoffwerk Heinrich Fromme, Inh. Margret Fromme-Ruthmann e. Kfr. | 12/05/2015             | 2944523      | 15167275.5 | German |
| 2944682 | JX Nippon Oil & Energy Corporation   | 17/12/2013             | 2944682      | 13868257.0 |        |
| 2945122 | Samsung Electronics Co., Ltd.  | 12/03/2014             | 2945122      | 15172774.0 |        |
| 2945218 | Valeo Klimasysteme GmbH  | 04/05/2015             | 2945218      | 15166196.4 |        |
| 2946799 | DEKA Products Limited Partnership  | 23/01/2009             | 2946799      | 15159365.4 |        |
| 2947104 | Sumitomo Seika Chemicals Co., Ltd. Advanced Softmaterials Inc.             | 04/12/2013             | 2947104      | 13871673.3 |        |
| 2947187 | MASCHINENFABRIK RIETER AG  | 19/05/2015             | 2947187      | 15168098.0 | German |
| 2947367 | Nippon Pillar Packing Co., Ltd.  | 22/05/2015             | 2947367      | 15168815.7 |        |
| 2948513 | Henkel IP & Holding GmbH   | 02/01/2014             | 2948513      | 14743975.6 |        |
| 2949652 | Eisai R&D Management Co., Ltd.   | 03/06/2005             | 2949652      | 15159875.2 |        |
| 2949901 | IHI Corporation  | 06/01/2014             | 2949901      | 14743457.5 |        |
| 2949945 | KABUSHIKI KAISHA TOYOTA JIDOSHOKKI TOYOTA JIDOSHA KABUSHIKI KAISHA         | 22/01/2014             | 2949945      | 14743296.7 |        |
| 2950078 | FAFNIR GmbH  | 30/05/2014             | 2950078      | 14001896.1 | German |
| 2950421 | IFOTEC   | 01/06/2014             | 2950421      | 14290159.4 | French |
| 2950613 | Electrolux Appliances Aktiebolag   | 26/05/2014             | 2950613      | 14169776.3 |        |
| 2950817 | Providence Health & Services - Oregon Portland State University            | 31/01/2014             | 2950817      | 14745410.2 |        |
| 2952248 | Saint-Gobain Placo SAS   | 05/06/2014             | 2952248      | 14290163.6 |        |
| 2952323 | CEMA Technologies  | 12/05/2015             | 2952323      | 15167317.5 | French |
| 2952329 | Grass GmbH   | 21/05/2015             | 2952329      | 15168567.4 | German |
| 2953133 | Xiaomi Inc.  | 05/06/2015             | 2953133      | 15170892.2 |        |
| 2953318 | Tektronix Inc.   | 03/06/2015             | 2953318      | 15170589.4 |        |
| 2953383 | NXP B.V.   | 06/06/2014             | 2953383      | 14171613.4 |        |
| 2953405 | Cisco Technology, Inc.   | 05/06/2015             | 2953405      | 15170901.1 |        |
| 2953800 | Milliken & Company   | 28/01/2014             | 2953800      | 14703734.5 |        |



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| 2953894 | Messer Group GmbH<br>Messer Austria GmbH     | 07/02/2014 | 2953894 | 14706473.7 | German |
| 2954199 | LM WP Patent Holding A/S                     | 05/02/2014 | 2954199 | 14702626.4 |        |
| 2954897 | Korea Institute of Oriental Medicine         | 18/10/2013 | 2954897 | 13862129.7 |        |
| 2954926 | MT.DERM GmbH                                 | 11/06/2015 | 2954926 | 15171689.1 | German |
| 2954954 | Elfi Elektrofilter Aktiebolag                | 09/06/2014 | 2954954 | 14171666.2 |        |
| 2954960 | REMS GmbH & Co KG                            | 08/06/2015 | 2954960 | 15001686.3 | German |
| 2954967 | Klingelberg AG                               | 11/06/2014 | 2954967 | 14171953.4 | German |
| 2955064 | Isoclima S.p.A.                              | 13/06/2014 | 2955064 | 14425072.7 |        |
| 2955103 | The Boeing Company                           | 12/06/2015 | 2955103 | 15171934.1 |        |
| 2955170 | Ajinomoto Co., Inc.                          | 07/02/2014 | 2955170 | 14748696.3 |        |
| 2955424 | Taiho Kogyo Co., Ltd                         | 05/02/2014 | 2955424 | 14749079.1 |        |
| 2955519 | Sartorius Stedim Biotech GmbH                | 10/06/2014 | 2955519 | 14290166.9 |        |
| 2955537 | Karl Storz SE & Co. KG                       | 08/06/2015 | 2955537 | 15171039.9 | German |
| 2955747 | SPTS Technologies Limited                    | 09/06/2015 | 2955747 | 15171245.2 |        |
| 2955950 | HAGAN, Chris                                 | 15/06/2015 | 2955950 | 15172190.9 |        |
| 2955959 | Nokia Solutions and Networks Oy              | 09/06/2015 | 2955959 | 15171138.9 |        |
| 2957288 | Avita Medical Ltd                            | 07/02/2002 | 2957288 | 15159890.1 |        |
| 2957677 | Hinode, Ltd.                                 | 17/02/2014 | 2957677 | 14752180.1 |        |
| 2958123 | ABB Schweiz AG                               | 18/06/2014 | 2958123 | 14172992.1 |        |
| 2958153 | LG Electronics Inc.                          | 16/06/2015 | 2958153 | 15001779.6 |        |
| 2958656 | Marine Global Holding AS                     | 21/02/2014 | 2958656 | 14707357.1 |        |
| 2959064 | Earth Wall Products LLC                      | 11/02/2014 | 2959064 | 14753694.0 |        |
| 2959073 | Electricité de France                        | 10/02/2014 | 2959073 | 14706910.8 | French |
| 2960100 | ROBERT BOSCH GMBH                            | 05/06/2015 | 2960100 | 15170834.4 | German |
| 2960408 | BKS GmbH                                     | 19/06/2015 | 2960408 | 15172810.2 | German |
| 2960595 | Bleckmann GmbH & Co. KG                      | 23/06/2015 | 2960595 | 15173461.3 |        |
| 2960943 | LG Display Co., Ltd.                         | 23/06/2015 | 2960943 | 15173323.5 |        |
| 2960966 | SK Innovation Co., Ltd.                      | 25/06/2015 | 2960966 | 15173913.3 |        |
| 2961112 | ZTE Corporation                              | 17/09/2013 | 2961112 | 13875436.1 |        |
| 2961128 | Xiaomi Inc.                                  | 03/06/2015 | 2961128 | 15170533.2 |        |
| 2961135 | Deutsche Telekom AG                          | 17/06/2015 | 2961135 | 15001795.2 |        |
| 2961254 | FUJI Corporation                             | 25/02/2013 | 2961254 | 13875359.5 |        |
| 2961503 | InterDigital CE Patent Holdings              | 24/02/2014 | 2961503 | 14709576.4 |        |
| 2961612 | Hewlett-Packard Development<br>Company, L.P. | 20/03/2013 | 2961612 | 13876231.5 |        |
| 2961687 | Praxair Technology, Inc.                     | 28/02/2014 | 2961687 | 14709861.0 |        |
| 2961922 | Halliburton Energy Services Inc.             | 21/02/2014 | 2961922 | 14757141.8 |        |

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| 2962393 | Microchip Technology Germany GmbH         | 14/02/2014             | 2962393      | 14704374.9 |        |
| 2962502 | Huawei Technologies Co., Ltd.             | 12/03/2014             | 2962502      | 14763547.8 |        |
| 2962711 | B. Braun Avitum AG                        | 15/06/2015             | 2962711      | 15172041.4 | German |
| 2962788 | United Technologies Corporation           | 11/06/2015             | 2962788      | 15171746.9 |        |
| 2962855 | Canon Finetech Nisca Inc.                 | 29/06/2015             | 2962855      | 15174204.6 |        |
| 2963038 | Universal Display Corporation             | 02/04/2015             | 2963038      | 15162452.5 |        |
| 2963246 | Rolls-Royce plc                           | 04/06/2015             | 2963246      | 15170651.2 |        |
| 2963250 | Rolls-Royce Corporation                   | 19/06/2015             | 2963250      | 15172924.1 |        |
| 2963550 | Harris Global Communications, Inc.        | 25/06/2015             | 2963550      | 15001895.0 |        |
| 2963846 | NEC Corporation                           | 18/10/2013             | 2963846      | 13876197.8 |        |
| 2963852 | Ciena Corporation                         | 12/06/2015             | 2963852      | 15171852.5 |        |
| 2964023 | Bayer CropScience Aktiengesellschaft      | 28/02/2014             | 2964023      | 14707194.8 |        |
| 2964807 | United Technologies Corporation           | 30/12/2013             | 2964807      | 13876883.3 |        |
| 2964950 | Rolls-Royce Corporation                   | 30/10/2013             | 2964950      | 13792790.1 |        |
| 2965343 | Micromass UK Limited                      | 05/03/2014             | 2965343      | 14710348.5 |        |
| 2965797 | Frymaster, L.L.C.                         | 16/06/2010             | 2965797      | 15178685.2 |        |
| 2966906 | Huawei Technologies Co., Ltd.             | 13/12/2013             | 2966906      | 13880904.1 |        |
| 2966959 | Greensgroomer Worldwide, Inc.             | 27/02/2014             | 2966959      | 14779093.5 |        |
| 2966969 | Husqvarna AB                              | 14/03/2013             | 2966969      | 13878221.4 |        |
| 2966982 | Pioneer Hi-Bred International, Inc.       | 06/03/2014             | 2966982      | 14713694.9 |        |
| 2967508 | Teleflex Medical Devices S.à.r.l.         | 14/03/2014             | 2967508      | 14765525.2 |        |
| 2967536 | LSI Solutions, Inc.                       | 25/09/2013             | 2967536      | 13878352.7 |        |
| 2967647 | Miret Surgical, Inc.                      | 17/03/2014             | 2967647      | 14764118.7 |        |
| 2967650 | Teleflex Medical Devices S.à.r.l.         | 14/03/2014             | 2967650      | 14762340.9 |        |
| 2967941 | Covidien LP                               | 19/02/2014             | 2967941      | 14708185.5 |        |
| 2968316 | Forma Therapeutics, Inc.                  | 11/03/2014             | 2968316      | 14779048.9 |        |
| 2968547 | Memorial Sloan Kettering Cancer<br>Center | 14/03/2014             | 2968547      | 14765530.2 |        |
| 2969021 | ISP Investments LLC                       | 14/03/2014             | 2969021      | 14764854.7 |        |
| 2969247 | Illinois Tool Works Inc.                  | 03/03/2014             | 2969247      | 14710759.3 |        |
| 2971431 | Hypersciences, Inc.                       | 21/01/2014             | 2971431      | 14770528.9 |        |
| 2971609 | Safran Helicopter Engines                 | 13/03/2014             | 2971609      | 14720173.5 | French |
| 2972021 | Electrolux Home Products, Inc.            | 11/03/2014             | 2972021      | 14715766.3 |        |
| 2972061 | Whitaker, Scott R.                        | 14/03/2014             | 2972061      | 14777207.3 |        |
| 2972639 | Cooper Technologies Company               | 13/03/2014             | 2972639      | 14774074.0 |        |
| 2972791 | Qualcomm Incorporated                     | 14/03/2014             | 2972791      | 14724200.2 |        |
| 2972908 | Intel Corporation                         | 15/03/2013             | 2972908      | 13877952.5 |        |

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| 2973238 | X-Card Holdings, LLC  | 07/03/2014 | 2973238 | 14773201.0 |        |
| 2973493 | Inrix, Inc.   | 10/03/2014 | 2973493 | 14721577.6 |        |
| 2974077 | Telefonaktiebolaget LM Ericsson (publ)  | 12/03/2013 | 2974077 | 13708488.5 |        |
| 2974105 | Qualcomm Incorporated   | 12/03/2014 | 2974105 | 14717012.0 |        |
| 2974147 | Hewlett Packard Enterprise<br>Development LP  | 14/06/2013 | 2974147 | 13877926.9 |        |
| 2974162 | Thorpe, John R.   | 12/03/2014 | 2974162 | 14767599.5 |        |
| 2974540 | Signify Holding B.V.  | 11/03/2014 | 2974540 | 14714528.8 |        |
| 2974625 | RTC Industries, Inc.  | 30/06/2010 | 2974625 | 15179567.1 |        |
| 2974878 | Giesecke+Devrient Mobile Security<br>GmbH   | 10/06/2015 | 2974878 | 15001724.2 | German |
| 2975271 | Shincron Co., Ltd.  | 14/03/2013 | 2975271 | 13878178.6 |        |
| 2975280 | Schaeffler Technologies AG & Co. KG   | 22/06/2015 | 2975280 | 15173191.6 | German |
| 2975323 | Rolls-Royce plc   | 17/06/2015 | 2975323 | 15172537.1 |        |
| 2975407 | Denka Seiken Co., Ltd.  | 12/03/2014 | 2975407 | 14764277.1 |        |
| 2975893 | Sharp Kabushiki Kaisha  | 12/03/2014 | 2975893 | 14762365.6 |        |
| 2976215 | Tekni-Plex, Inc.  | 18/03/2014 | 2976215 | 14726799.1 |        |
| 2976457 | Syntis Textile Private Limited  | 03/05/2013 | 2976457 | 13767125.1 |        |
| 2976716 | Synopsys, Inc.  | 25/06/2014 | 2976716 | 14744673.6 |        |
| 2976745 | General Electric Company  | 18/03/2014 | 2976745 | 14725824.8 |        |
| 2977013 | Synthes GmbH  | 29/06/2011 | 2977013 | 15181724.4 |        |
| 2977073 | Entellus Medical, Inc.  | 04/06/2010 | 2977073 | 15184180.6 |        |
| 2977208 | Seiko Epson Corporation   | 30/06/2015 | 2977208 | 15174616.1 |        |
| 2977332 | Toyo Aluminium Kabushiki Kaisha   | 27/02/2014 | 2977332 | 14770469.6 |        |
| 2977718 | Murata Manufacturing Co., Ltd.  | 19/03/2014 | 2977718 | 14770324.3 |        |
| 2978012 | BOE Technology Group Co., Ltd.  | 20/06/2013 | 2978012 | 13840128.6 |        |
| 2978503 | BASF Beauty Care Solutions France<br>S.A.S.<br>Université Claude Bernard Lyon I<br>Centre National de la Recherche<br>Scientifique (C.N.R.S.) | 27/03/2014 | 2978503 | 14718688.6 | French |
| 2978562 | Fraunhofer-Gesellschaft zur Förderung<br>der angewandten Forschung e.V.<br>Rheinisch-Westfälische Technische<br>Hochschule Aachen             | 20/03/2014 | 2978562 | 14728436.8 | German |
| 2978860 | BlueGnome Ltd   | 26/03/2014 | 2978860 | 14719062.3 |        |
| 2978923 | JDI International Leasing Limited   | 26/03/2014 | 2978923 | 14774537.6 |        |

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| 2979161 | Koninklijke Philips N.V.   | 18/03/2014             | 2979161      | 14717199.5 |        |
| 2979334 | Holland Electronics LLC  | 07/03/2015             | 2979334      | 15770212.7 |        |
| 2979435 | Orange   | 26/03/2014             | 2979435      | 14719200.9 | French |
| 2979938 | Autoliv Nissin Brake Systems Japan<br>Co., Ltd.<br>Honda Motor Co., Ltd. | 25/03/2014             | 2979938      | 14773185.5 |        |
| 2979972 | Samsung Heavy Ind. Co., Ltd.   | 28/03/2014             | 2979972      | 14774506.1 |        |
| 2980476 | Tsukishima Kikai Co., Ltd.   | 14/02/2014             | 2980476      | 14772740.8 |        |
| 2981302 | Carenow Medical Private Limited  | 15/05/2014             | 2981302      | 14728623.1 |        |
| 2981377 | Pratt & Whitney Services Pte Ltd.  | 12/03/2014             | 2981377      | 14779363.2 |        |
| 2981748 | Alfa Gomma S.p.A.  | 02/04/2014             | 2981748      | 14715003.1 |        |
| 2982666 | Takeda Pharmaceutical Company<br>Limited                                 | 03/04/2014             | 2982666      | 14778814.5 |        |
| 2983061 | Quanta Computer Inc.   | 15/04/2015             | 2983061      | 15163731.1 |        |
| 2984017 | KONE Corporation   | 03/06/2013             | 2984017      | 13726781.1 |        |
| 2984203 | Ion Beam Services  | 09/04/2014             | 2984203      | 14721913.3 | French |
| 2985213 | Bosch Corporation  | 21/03/2014             | 2985213      | 14782450.2 |        |
| 2985631 | Trimble Inc.   | 14/08/2014             | 2985631      | 14181007.7 |        |
| 2985831 | LG Chem, Ltd.  | 08/05/2014             | 2985831      | 14832886.7 |        |
| 2985941 | Telefonaktiebolaget LM Ericsson (publ)                                   | 28/01/2008             | 2985941      | 15184063.4 |        |
| 2985957 | Huawei Technologies Co., Ltd.  | 26/06/2013             | 2985957      | 13887614.9 |        |
| 2986134 | Mycotechnology, Inc.   | 15/03/2014             | 2986134      | 14765389.3 |        |
| 2987468 | Heraeus Medical GmbH   | 10/06/2011             | 2987468      | 15187936.8 | German |
| 2987570 | Rolls-Royce plc  | 03/06/2015             | 2987570      | 15170445.9 |        |
| 2988190 | LG Chem, Ltd.  | 20/10/2014             | 2988190      | 14853961.2 |        |
| 2989033 | A-Fax Limited  | 25/04/2014             | 2989033      | 14726717.3 |        |
| 2989530 | Immersion Corporation  | 25/04/2014             | 2989530      | 14788165.0 |        |
| 2990179 | Zuiko Corporation  | 13/06/2014             | 2990179      | 14810125.6 |        |
| 2990180 | Zuiko Corporation  | 13/06/2014             | 2990180      | 14810635.4 |        |
| 2990235 | Continental Reifen Deutschland GmbH                                      | 09/06/2015             | 2990235      | 15171081.1 | German |
| 2990378 | Diehl Aviation Gilching GmbH   | 27/08/2014             | 2990378      | 14182423.5 |        |
| 2990639 | ROBERT BOSCH GMBH  | 02/06/2015             | 2990639      | 15170274.3 | German |
| 2990700 | Eagle Industry Co., Ltd.   | 19/12/2013             | 2990700      | 13882696.1 |        |
| 2990777 | Seuffer GmbH & Co. KG  | 19/08/2015             | 2990777      | 15181496.9 | German |
| 2991281 | Huawei Technologies Co., Ltd.  | 30/06/2014             | 2991281      | 14883530.9 |        |
| 2991507 | Smartfish AS   | 22/04/2014             | 2991507      | 14726214.1 |        |

|         |   |            |         |            |        |
|---------|---|------------|---------|------------|--------|
| 2991937 | Corning Incorporated  | 29/04/2014 | 2991937 | 14729524.0 |        |
| 2992223 | Dyson Technology Limited  | 25/04/2014 | 2992223 | 14719843.6 |        |
| 2992351 | Koninklijke Philips N.V.  | 17/03/2014 | 2992351 | 14716423.0 |        |
| 2992534 | NKT CABLES A/S  | 29/04/2014 | 2992534 | 14791383.4 |        |
| 2993951 | ASUSTeK Computer Inc.   | 02/09/2015 | 2993951 | 15183512.1 |        |
| 2994521 | Total Marketing Services  | 06/05/2014 | 2994521 | 14722191.5 | French |
| 2994761 | Becton, Dickinson and Company   | 28/04/2014 | 2994761 | 14727319.7 |        |
| 2994826 | Psigenics Corporation   | 06/05/2014 | 2994826 | 14795142.0 |        |
| 2995301 | CTC Bio, Inc.   | 12/05/2014 | 2995301 | 14794522.4 |        |
| 2995686 | Honda Motor Co., Ltd.   | 10/09/2015 | 2995686 | 15184665.6 |        |
| 2995687 | Honda Motor Co., Ltd.   | 10/09/2015 | 2995687 | 15184676.3 |        |
| 2995839 | NIPPON PILLAR PACKING CO., Ltd.   | 24/03/2014 | 2995839 | 14795384.8 |        |
| 2995861 | Siemens Aktiengesellschaft  | 10/09/2014 | 2995861 | 14184273.2 |        |
| 2996317 | Samsung Electronics Co., Ltd.   | 09/09/2015 | 2996317 | 15184430.5 |        |
| 2996999 | Green-Basilisk B.V.   | 16/05/2014 | 2996999 | 14729978.8 |        |
| 2997042 | Université De Nice Sophia Antipolis<br>Centre National de la Recherche<br>Scientifique (CNRS) | 19/05/2014 | 2997042 | 14725148.2 |        |
| 2997405 | Applied Optoelectronics, Inc.   | 13/05/2014 | 2997405 | 14797225.1 |        |
| 2997653 | Endress+Hauser SE+Co. KG  | 22/04/2014 | 2997653 | 14719289.2 | German |
| 2997757 | Huawei Technologies Co., Ltd.   | 25/06/2014 | 2997757 | 14818372.6 |        |
| 2998133 | CLAAS Tractor S.A.S.  | 28/08/2015 | 2998133 | 15182944.7 | German |
| 2998289 | NITTO DENKO CORPORATION   | 08/06/2012 | 2998289 | 15181729.3 |        |
| 2998760 | Alcatel Lucent  | 22/09/2014 | 2998760 | 14306453.3 |        |
| 2998830 | HGST Netherlands B.V.   | 18/09/2015 | 2998830 | 15185953.5 |        |
| 2998933 | Samsung Electronics Co., Ltd.   | 16/09/2015 | 2998933 | 15185456.9 |        |
| 2999113 | NXP B.V.  | 16/09/2014 | 2999113 | 14184900.0 |        |
| 2999185 | LG Electronics Inc.   | 16/05/2014 | 2999185 | 14797850.6 |        |
| 2999931 | Carrier Corporation   | 17/04/2014 | 2999931 | 14724968.4 |        |
| 3000016 | Samsung Electronics Co., Ltd.   | 14/05/2014 | 3000016 | 14801404.6 |        |
| 3000343 | Rossignol Lange S.R.L.  | 26/09/2014 | 3000343 | 14425119.6 | French |
| 3001428 | Lintec Corporation  | 16/04/2014 | 3001428 | 14801737.9 |        |
| 3001535 | Mitsubishi Electric Corporation   | 21/05/2013 | 3001535 | 13885317.1 |        |
| 3001828 | Chase Corporation   | 25/08/2014 | 3001828 | 14845018.2 |        |
| 3001836 | The Henry M. Jackson Foundation for<br>the Advancement of Military Medicine,<br>Inc.          | 09/05/2014 | 3001836 | 14794253.6 |        |
| 3001881 | First Solar Malaysia SDN.BHD  | 06/06/2014 | 3001881 | 14800780.0 |        |

| 6528    | (No. 2393)   | Patents Office Journal | (04/09/2019) |            |        |
|---------|--|------------------------|--------------|------------|--------|
| 3002291 | Radox Laboratories Ltd.  | 25/09/2015             | 3002291      | 15186902.1 |        |
| 3002322 | Graphene Platform Corporation  | 27/02/2015             | 3002322      | 15186991.4 |        |
| 3002912 | Google LLC   | 25/03/2011             | 3002912      | 15193184.7 |        |
| 3003453 | Cathrx Ltd   | 06/06/2014             | 3003453      | 14807710.0 |        |
| 3003515 | Sony Interactive Entertainment Inc.  | 06/06/2014             | 3003515      | 14736171.1 |        |
| 3003533 | Cummins Filtration IP, Inc.  | 05/06/2014             | 3003533      | 14807947.8 |        |
| 3003965 | Robert Bosch GmbH  | 02/06/2014             | 3003965      | 14734339.6 |        |
| 3004130 | Idenix Pharmaceuticals LLC   | 04/06/2014             | 3004130      | 14733928.7 |        |
|         | Centre National de la Recherche<br>Scientifique<br>UNIVERSITE DE MONTPELLIER |                        |              |            |        |
| 3004197 | Hilti Aktiengesellschaft   | 06/06/2014             | 3004197      | 14730819.1 | German |
| 3004386 | Immunexpress Pty Ltd   | 29/05/2014             | 3004386      | 14804209.6 |        |
| 3004698 | Emerson Vulcan Holding LLC   | 03/06/2014             | 3004698      | 14807450.3 |        |
| 3004921 | Intel IP Corporation   | 30/05/2013             | 3004921      | 13885530.9 |        |
| 3004965 | University Of Rochester  | 09/05/2014             | 3004965      | 14801768.4 |        |
| 3004972 | Johnson & Johnson Vision Care, Inc.  | 27/05/2014             | 3004972      | 14732757.1 |        |
| 3005764 | Citrix Systems Inc.  | 28/05/2014             | 3005764      | 14734635.7 |        |
| 3005972 | Kabushiki Kaisha Sangi<br>Tohoku University                                  | 03/06/2014             | 3005972      | 14807381.0 |        |
| 3006047 | Toppan Printing Co., Ltd.  | 04/06/2014             | 3006047      | 14807112.9 |        |
| 3006519 | Kao Corporation  | 04/06/2014             | 3006519      | 14807397.6 |        |
| 3006990 | RealD Spark, LLC   | 27/05/2014             | 3006990      | 14803336.8 |        |
| 3007378 | Electronics and Telecommunications<br>Research Institute                     | 08/06/2011             | 3007378      | 15190817.5 |        |
| 3007998 | KHS GmbH   | 12/06/2014             | 3007998      | 14730507.2 | German |
| 3008000 | Ranpak Corp.   | 12/06/2014             | 3008000      | 14742613.4 |        |
| 3008120 | Kimberly-Clark Worldwide, Inc.   | 06/06/2014             | 3008120      | 14811655.1 |        |
| 3008175 | Tocagen Inc.   | 15/06/2014             | 3008175      | 14810447.4 |        |
| 3008176 | Turnstone Limited Partnership  | 16/06/2014             | 3008176      | 14811047.1 |        |
| 3008201 | The General Hospital Corporation   | 03/06/2014             | 3008201      | 14810839.2 |        |
| 3008222 | Outokumpu Oyj  | 12/06/2014             | 3008222      | 14810949.9 |        |
| 3008353 | Fisher Controls International LLC  | 10/06/2014             | 3008353      | 14735073.0 |        |
| 3008366 | Kendrion (Villingen) GmbH  | 03/06/2014             | 3008366      | 14731169.0 | German |
| 3008392 | United Technologies Corporation  | 12/06/2014             | 3008392      | 14811706.2 |        |
| 3008465 | Biodesy, Inc.  | 13/06/2014             | 3008465      | 14810249.4 |        |
| 3008731 | Micron Technology, Inc.  | 09/06/2014             | 3008731      | 14811475.4 |        |

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|---------|---|------------|---------|------------|--------|
| 3008829 | Astrolink International LLC<br>Dominion Energy Technologies, Inc.   | 13/06/2014 | 3008829 | 14811042.2 |        |
| 3009026 | YKK Corporation   | 11/06/2013 | 3009026 | 13886902.9 |        |
| 3009174 | Guangdong Alpha Animation and<br>Culture CO., LTD.<br>Guangdong Auldey Animation & Toy<br>Co., Ltd.<br>Guangzhou Alpha Culture<br>Communications Co., Ltd.                        | 03/04/2015 | 3009174 | 15766039.0 |        |
| 3009179 | Shenzhen Xingrisheng Industrial Co.,<br>Ltd.  | 26/09/2013 | 3009179 | 13894177.8 |        |
| 3009317 | NTN Corporation   | 06/06/2014 | 3009317 | 14810132.2 |        |
| 3009446 | Japan Science and Technology Agency   | 13/06/2014 | 3009446 | 14810613.1 |        |
| 3009503 | Shiseido Company Ltd.   | 12/06/2014 | 3009503 | 14811574.4 |        |
| 3009572 | Geberit International AG  | 16/10/2015 | 3009572 | 15190135.2 |        |
| 3009617 | Mitsubishi Hitachi Power Systems, Ltd.  | 09/06/2014 | 3009617 | 14810235.3 |        |
| 3009769 | LG Innotek Co., Ltd.  | 14/10/2015 | 3009769 | 15189855.8 |        |
| 3009884 | LG Display Co., Ltd.  | 12/10/2015 | 3009884 | 15189365.8 |        |
| 3010022 | Commissariat à l'Énergie Atomique et<br>aux Énergies Alternatives   | 13/10/2015 | 3010022 | 15189612.3 | French |
| 3010082 | MediaTek Inc.   | 16/06/2015 | 3010082 | 15172390.5 |        |
| 3010241 | LG Electronics Inc.   | 10/06/2014 | 3010241 | 14811045.5 |        |
| 3010393 | Delta ID Inc.   | 18/06/2014 | 3010393 | 14814540.2 |        |
| 3010493 | Swiss Caps Rechte und Lizenzen AG   | 20/06/2014 | 3010493 | 14734063.2 |        |
| 3010625 | New Technology Ventures, Inc.   | 18/06/2014 | 3010625 | 14813761.5 |        |
| 3010645 | Gema Switzerland GmbH   | 26/05/2014 | 3010645 | 14726961.7 | German |
| 3010875 | UOP LLC   | 12/06/2014 | 3010875 | 14813480.2 |        |
| 3011016 | Agency for Science, Technology and<br>Research  | 18/06/2014 | 3011016 | 14814177.3 |        |
| 3011019 | Institut National de la Recherche<br>Agronomique (INRA)<br>Institut National des Sciences<br>Appliquées de Toulouse<br>Centre National de la Recherche<br>Scientifique (C.N.R.S.) | 17/06/2014 | 3011019 | 14738375.6 | French |

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|---------|--|------------------------|--------------|------------|--------|
| 3011034 | The Broad Institute, Inc.<br>Massachusetts Institute of Technology<br>President and Fellows of Harvard<br>College              | 11/06/2014             | 3011034      | 14736206.5 |        |
| 3011048 | Max-Planck-Gesellschaft zur Förderung<br>der Wissenschaften e.V.   | 16/06/2014             | 3011048      | 14736319.6 |        |
| 3011197 | ITALCEMENTI S.p.A.<br>Freni Brembo S.p.A.  | 16/06/2014             | 3011197      | 14744163.8 |        |
| 3011408 | Brooks, Robert C<br>Durham, Michael R<br>Piwonka, Mark A<br>Ziarnik, Gregory P<br>Hewlett-Packard Development<br>Company, L.P. | 20/06/2013             | 3011408      | 13887566.1 |        |
| 3011577 | Eaton Corporation  | 19/05/2014             | 3011577      | 14730394.5 |        |
| 3011674 | Danfoss Power Electronics A/S  | 23/05/2014             | 3011674      | 14733340.5 |        |
| 3011676 | SDMO Industries  | 17/06/2014             | 3011676      | 14730557.7 | French |
| 3011693 | LG Electronics Inc.  | 17/06/2014             | 3011693      | 14813314.3 |        |
| 3011714 | Giesecke+Devrient Mobile Security<br>GmbH  | 11/06/2014             | 3011714      | 14731549.3 | German |
| 3011720 | Cisco Technology, Inc.   | 19/06/2014             | 3011720      | 14742622.5 |        |
| 3011781 | Google Technology Holdings LLC   | 20/06/2014             | 3011781      | 14740042.8 |        |
| 3011787 | Cisco Technology, Inc.   | 19/06/2014             | 3011787      | 14741711.7 |        |
| 3011799 | Orange   | 17/06/2014             | 3011799      | 14739884.6 | French |
| 3011902 | Harman International Industries,<br>Incorporated   | 20/10/2015             | 3011902      | 15190577.5 |        |
| 3011951 | Hodogaya Chemical Co., Ltd.  | 10/06/2014             | 3011951      | 14812987.7 |        |
| 3012164 | Valeo Systèmes d'Essuyage  | 02/10/2015             | 3012164      | 15188074.7 | French |
| 3012287 | Kaneka Corporation   | 17/06/2014             | 3012287      | 14813497.6 |        |
| 3012549 | Panasonic Corporation  | 19/06/2014             | 3012549      | 14813083.4 |        |
| 3012879 | Xiamen Niell Electronics Co., Ltd.   | 22/07/2013             | 3012879      | 13887336.9 |        |
| 3012997 | Thinkat Co., Ltd.  | 16/06/2014             | 3012997      | 14814359.7 |        |
| 3013154 | Olam International Limited   | 04/06/2014             | 3013154      | 14817583.9 |        |



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| 3013355 | APHP (Assistance Publique - Hôpitaux de Paris)<br>Centre National de la Recherche Scientifique (C.N.R.S.)<br>SORBONNE UNIVERSITE<br>ICM - Institut du Cerveau et de la Moelle Epinière<br>INSERM - Institut National de la Santé et de la Recherche Médicale | 20/06/2014 | 3013355 | 14733140.9 |        |
| 3013403 | St. Jude Medical, Cardiology Division, Inc.  | 29/09/2014 | 3013403 | 14790841.2 |        |
| 3013497 | Thiele GmbH & Co. KG   | 26/06/2014 | 3013497 | 14744753.6 | German |
| 3013825 | Amgen Inc.   | 24/06/2014 | 3013825 | 14740090.7 |        |
| 3013919 | Robert Bosch GmbH  | 11/06/2014 | 3013919 | 14730141.0 | German |
| 3013925 | Castrol Limited  | 27/06/2014 | 3013925 | 14735901.2 |        |
| 3013968 | Novozymes A/S  | 20/06/2014 | 3013968 | 14817743.9 |        |
| 3014014 | Koninklijke Philips N.V.   | 27/06/2014 | 3014014 | 14752389.8 |        |
| 3014157 | Technip France   | 24/06/2014 | 3014157 | 14733149.0 | French |
| 3014301 | Koninklijke Philips N.V.   | 26/06/2014 | 3014301 | 14733189.6 |        |
| 3014804 | Amazon Technologies, Inc.  | 25/06/2014 | 3014804 | 14816632.5 |        |
| 3014836 | Telefonica Digital España, S.L.U.  | 23/06/2014 | 3014836 | 14732197.0 |        |
| 3014837 | Telefonica Digital España, S.L.U.  | 23/06/2014 | 3014837 | 14733144.1 |        |
| 3014847 | Citrix Systems Inc.  | 27/06/2014 | 3014847 | 14747435.7 |        |
| 3014904 | T-Mobile USA, Inc.   | 11/06/2014 | 3014904 | 14816613.5 |        |
| 3014963 | InterDigital CE Patent Holdings  | 27/06/2013 | 3014963 | 13737914.5 |        |
| 3015033 | Foshan Shunde Midea Electrical Heating Appliances Manufacturing Co. Ltd.<br>Midea Group Co., Ltd.  | 20/06/2014 | 3015033 | 14818746.1 |        |
| 3015044 | Kabushiki Kaisha Nitoms<br>Nitto Denko Corporation   | 23/06/2014 | 3015044 | 14818809.7 |        |
| 3015120 | Medprin Regenerative Medical Technologies Co., Ltd.  | 26/06/2014 | 3015120 | 14818651.3 |        |
| 3015725 | NOK Corporation  | 03/06/2014 | 3015725 | 14818263.7 |        |
| 3016408 | Starkey Laboratories, Inc.   | 28/10/2015 | 3016408 | 15191872.9 |        |
| 3016448 | Acer Incorporated  | 28/05/2015 | 3016448 | 15169728.1 |        |
| 3016808 | Compagnie Générale des Etablissements Michelin   | 23/06/2014 | 3016808 | 14738749.2 | French |

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|---------|---|------------------------|--------------|------------|--------|--|
| 3017164 | Renault S.A.S.  | 10/06/2014             | 3017164      | 14738548.8 | French |  |
| 3017182 | Delphi Technologies IP Limited  | 25/06/2014             | 3017182      | 14732570.8 |        |  |
| 3017208 | Scuola Superiore di Studi Universitari e<br>di Perfezionamento Sant'Anna                                      | 30/06/2014             | 3017208      | 14752941.6 |        |  |
| 3017258 | Primetals Technologies Austria GmbH   | 24/06/2014             | 3017258      | 14734778.5 | German |  |
| 3017486 | Valeo Systemes Thermiques   | 04/07/2014             | 3017486      | 14736774.2 | French |  |
| 3017495 | Robert Bosch GmbH   | 17/06/2014             | 3017495      | 14733578.0 | German |  |
| 3017544 | Maschinenfabrik Reinhausen GmbH   | 17/06/2014             | 3017544      | 14732344.8 |        |  |
| 3018211 | Nippon Shinyaku Co., Ltd.<br>National Center of Neurology and<br>Psychiatry                                   | 31/08/2011             | 3018211      | 15199455.5 |        |  |
| 3018357 | Rolls-Royce plc   | 27/10/2015             | 3018357      | 15191565.9 |        |  |
| 3018423 | Samsung Electronics Co., Ltd.   | 28/10/2015             | 3018423      | 15191949.5 |        |  |
| 3018869 | Juniper Networks, Inc.  | 10/06/2015             | 3018869      | 15171328.6 |        |  |
| 3019028 | Expressions Aromatiques   | 20/06/2014             | 3019028      | 14738568.6 | French |  |
| 3019295 | EMAG Holding GmbH   | 28/10/2013             | 3019295      | 13805242.8 | German |  |
| 3019420 | Inospray  | 30/06/2014             | 3019420      | 14736708.0 | French |  |
| 3020080 | Newpace Ltd.  | 11/07/2014             | 3020080      | 14822324.1 |        |  |
| 3020123 | Schaeffler Technologies AG & Co. KG   | 12/06/2014             | 3020123      | 14736278.4 | German |  |
| 3020267 | Forage Company B.V.   | 15/06/2011             | 3020267      | 15193270.4 |        |  |
| 3020269 | AGCO International GmbH   | 04/11/2015             | 3020269      | 15192886.8 |        |  |
| 3021197 | Immersion Corporation   | 13/11/2014             | 3021197      | 14003834.0 |        |  |
| 3021386 | Institute Of Physics Chinese Academy<br>Of Sciences   | 18/06/2015             | 3021386      | 15821926.1 |        |  |
| 3022623 | Stabilo International GmbH  | 17/07/2014             | 3022623      | 14741856.0 |        |  |
| 3023090 | Symrise AG  | 21/11/2014             | 3023090      | 14194402.5 |        |  |
| 3024306 | ION BEAM APPLICATIONS S.A.  | 04/11/2015             | 3024306      | 15192905.6 |        |  |
| 3024694 | Agence Nationale pour la Gestion des<br>Déchets Radioactifs   | 22/07/2014             | 3024694      | 14744042.4 | French |  |
| 3025067 | Schaeffler Technologies AG & Co. KG   | 25/06/2014             | 3025067      | 14741510.3 | German |  |
| 3026418 | Sony Corporation  | 06/06/2014             | 3026418      | 14829164.4 |        |  |
| 3027276 | Istituto Don Calabria - Ospedale<br>Classificato Sacro Cuore<br>Fondazione Istituto Italiano di<br>Tecnologia | 01/08/2014             | 3027276      | 14777822.9 |        |  |
| 3028388 | LG Electronics Inc.   | 25/06/2014             | 3028388      | 14831947.8 |        |  |
| 3028612 | Aquis Wasser-Luft-Systeme GmbH,<br>Lindau, Zweigniederlassung Rebstein  | 12/11/2015             | 3028612      | 15194194.5 | German |  |

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|---------|--|------------|---------|------------|--------|
| 3029385 | MITSUBISHI HEAVY INDUSTRIES<br>THERMAL SYSTEMS, LTD. | 25/11/2015 | 3029385 | 15196304.8 |        |
| 3029712 | Thermo Finnigan LLC                                  | 23/11/2015 | 3029712 | 15195925.1 |        |
| 3030409 | Compagnie Générale des<br>Etablissements Michelin    | 26/06/2014 | 3030409 | 14752919.2 | French |
| 3030605 | Kimberly-Clark Worldwide, Inc.                       | 06/06/2014 | 3030605 | 14834258.7 |        |
| 3030761 | Graco Minnesota Inc.                                 | 07/08/2014 | 3030761 | 14834683.6 |        |
| 3031352 | Miele & Cie. KG                                      | 23/11/2015 | 3031352 | 15195760.2 | German |
| 3032353 | ETA SA Manufacture Horlogère Suisse                  | 11/12/2014 | 3032353 | 14197478.2 | French |
| 3032498 | Canon Kabushiki Kaisha                               | 17/11/2015 | 3032498 | 15194995.5 |        |
| 3032664 | ABB AG   | 08/12/2014 | 3032664 | 14004130.2 |        |
| 3032737 | Intel Corporation                                    | 09/11/2015 | 3032737 | 15193754.7 |        |
| 3033234 | Fujifilm Dimatix, Inc.                               | 24/06/2014 | 3033234 | 14835790.8 |        |
| 3033896 | Nokia Solutions and Networks Oy                      | 13/08/2013 | 3033896 | 13748052.1 |        |
| 3034055 | The Procter & Gamble Company                         | 15/12/2014 | 3034055 | 14197944.3 |        |
| 3034887 | Sulzer Management AG                                 | 21/10/2015 | 3034887 | 15190832.4 | German |
| 3035726 | Sony Corporation                                     | 24/06/2014 | 3035726 | 14836205.6 |        |
| 3036503 | BASF SE  | 15/08/2014 | 3036503 | 14757865.2 |        |
| 3036619 | Samsung Electronics Co., Ltd.                        | 19/08/2014 | 3036619 | 14838709.5 |        |
| 3037199 | Chang, Hsin-Tien                                     | 05/06/2015 | 3037199 | 15170772.6 |        |
| 3037435 | MUSC Foundation for Research<br>Development          | 17/11/2010 | 3037435 | 15193297.7 |        |
| 3037767 | MAHLE International GmbH                             | 10/12/2015 | 3037767 | 15199380.5 | German |
| 3037989 | Business Objects Software Ltd.                       | 25/11/2015 | 3037989 | 15003365.2 |        |
| 3038549 | Release Medical, Inc.                                | 26/09/2014 | 3038549 | 14848549.3 |        |
| 3038578 | The Procter & Gamble Company                         | 25/08/2014 | 3038578 | 14761505.8 |        |
| 3039853 | Retails Design & Experts GmbH                        | 29/08/2013 | 3039853 | 13753436.8 |        |
| 3040191 | Airbus Operations, S.L.                              | 30/12/2014 | 3040191 | 14382583.4 |        |
| 3040585 | Jatco Ltd  | 27/06/2014 | 3040585 | 14839501.5 |        |
| 3040613 | exodraft a/s   | 30/12/2014 | 3040613 | 14200538.8 |        |
| 3040719 | Kawasaki Jukogyo Kabushiki Kaisha                    | 27/08/2014 | 3040719 | 14839898.5 |        |
| 3040830 | Volkswagen AG  | 02/01/2015 | 3040830 | 15150034.5 | German |
| 3040842 | Volkswagen AG  | 02/01/2015 | 3040842 | 15150033.7 | German |
| 3041142 | MediaTek Inc.  | 16/09/2015 | 3041142 | 15185464.3 |        |
| 3041165 | ScytL Secure Electronic Voting, S.A.                 | 31/12/2014 | 3041165 | 14004456.1 |        |
| 3041182 | Huawei Technologies Co., Ltd.                        | 23/09/2013 | 3041182 | 13893795.8 |        |
| 3041717 | Freni Brembo S.p.A.                                  | 04/09/2014 | 3041717 | 14790318.1 |        |
| 3043633 | AGCO Corporation                                     | 10/09/2014 | 3043633 | 14783929.4 |        |

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| 3044857 | Protean Electric Limited   | 10/09/2014             | 3044857      | 14789375.4 |        |
| 3045250 | Flender GmbH   | 19/01/2016             | 3045250      | 16151791.7 | German |
| 3045356 | Joyson Safety Systems Japan K.K.   | 03/09/2014             | 3045356      | 14844246.0 |        |
| 3045445 | THE UNIVERSITY OF TOKYO<br>AndroScience Corporation                        | 16/08/2011             | 3045445      | 16152929.2 |        |
| 3045507 | Konica Minolta, Inc.   | 09/09/2014             | 3045507      | 14841948.4 |        |
| 3045545 | Menarini Silicon Biosystems S.p.A.   | 22/03/2006             | 3045545      | 15203254.6 |        |
| 3045587 | Jilin University   | 03/09/2014             | 3045587      | 14842864.2 |        |
| 3045989 | Comau S.p.A.   | 16/01/2015             | 3045989      | 15151387.6 |        |
| 3046376 | Huawei Device Co., Ltd.  | 25/10/2013             | 3046376      | 13895831.9 |        |
| 3046444 | DewertOkin GmbH  | 17/09/2014             | 3046444      | 14781614.4 |        |
| 3046528 | FRAUNHOFER-GESELLSCHAFT zur<br>Förderung der angewandten Forschung<br>e.V. | 15/09/2014             | 3046528      | 14771246.7 | German |
| 3046919 | BASF SE  | 18/09/2014             | 3046919      | 14767004.6 |        |
| 3047564 | Signify Holding B.V.   | 18/09/2014             | 3047564      | 14786345.0 |        |
| 3047802 | SAMSUNG MEDISON CO., LTD.  | 24/12/2015             | 3047802      | 15202734.8 |        |
| 3048136 | Mitsubishi Chemical Corporation  | 11/09/2014             | 3048136      | 14845502.5 |        |
| 3048159 | Merck Patent GmbH  | 23/12/2015             | 3048159      | 15003701.8 |        |
| 3048407 | MAHLE Behr GmbH & Co. KG   | 23/06/2006             | 3048407      | 15202230.7 | German |
| 3048780 | Harman International Industries, Inc.                                      | 14/01/2016             | 3048780      | 16151223.1 |        |
| 3048874 | Stichting Wageningen Research  | 24/09/2014             | 3048874      | 14772335.7 |        |
| 3049010 | Truminim LLC   | 24/09/2014             | 3049010      | 14849229.1 |        |
| 3049012 | Koninklijke Philips N.V.   | 24/09/2014             | 3049012      | 14771922.3 |        |
| 3049298 | WABCO GmbH   | 28/08/2014             | 3049298      | 14757847.0 | German |
| 3049388 | Milliken & Company   | 23/09/2014             | 3049388      | 14780733.3 |        |
| 3049389 | CHDI Foundation, Inc.  | 23/09/2014             | 3049389      | 14848555.0 |        |
| 3049523 | Somalogic, Inc.  | 24/09/2014             | 3049523      | 14847780.5 |        |
| 3050295 | Qualcomm Incorporated  | 26/09/2014             | 3050295      | 14782053.4 |        |
| 3050336 | BSH Hausgeräte GmbH  | 04/09/2014             | 3050336      | 14759170.5 | German |
| 3050904 | LG Chem, Ltd.  | 28/11/2014             | 3050904      | 14865686.1 |        |
| 3052130 | Intas Pharmaceuticals Limited  | 29/09/2014             | 3052130      | 14850037.4 |        |
| 3052383 | The Boeing Company   | 23/06/2014             | 3052383      | 14741726.5 |        |
| 3052439 | Solvay SA  | 02/10/2014             | 3052439      | 14777659.5 |        |
| 3052631 | Takeda Vaccines, Inc.  | 03/10/2014             | 3052631      | 14850556.3 |        |
| 3052706 | Clark Equipment Company  | 28/02/2014             | 3052706      | 14711370.8 |        |
| 3053203 | Fujifilm Dimatix, Inc.   | 08/09/2014             | 3053203      | 14850129.9 |        |
| 3053603 | Viradys Medical Waste Solutions, LLC                                       | 09/02/2016             | 3053603      | 16154866.4 |        |

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| 3054149 | Neander Motors AG  | 27/01/2016 | 3054149 | 16000187.1 | German |
| 3054854 | Occlutech Holding AG   | 07/10/2014 | 3054854 | 14781197.0 |        |
| 3055612 | SABIC Global Technologies B.V.   | 07/10/2014 | 3055612 | 14833182.0 |        |
| 3055934 | Samsung Electronics Co., Ltd.  | 18/09/2014 | 3055934 | 14852018.2 |        |
| 3055984 | Cisco Technology, Inc.   | 29/09/2014 | 3055984 | 14786555.4 |        |
| 3057065 | Samsung Electronics Co., Ltd.  | 15/02/2016 | 3057065 | 16155709.5 |        |
| 3057819 | Kautex Textron GmbH & Co. KG   | 07/10/2014 | 3057819 | 14781194.7 |        |
| 3058174 | Kamath, Das Ajee   | 20/10/2014 | 3058174 | 14845005.9 |        |
| 3058450 | Google LLC   | 15/10/2014 | 3058450 | 14854763.1 |        |
| 3058731 | Qualcomm Incorporated  | 14/10/2014 | 3058731 | 14792941.8 |        |
| 3058739 | Microsoft Technology Licensing, LLC  | 14/10/2013 | 3058739 | 13895569.5 |        |
| 3058746 | Qualcomm Incorporated  | 14/10/2014 | 3058746 | 14795710.4 |        |
| 3059140 | Aleees Eco Ark (Cayman) Co. LTD.   | 16/10/2013 | 3059140 | 13895549.7 |        |
| 3059785 | WATER GREMLIN COMPANY  | 30/04/2010 | 3059785 | 16163594.1 |        |
| 3059934 | Vodafone IP Licensing Limited  | 02/02/2016 | 3059934 | 16153806.1 |        |
| 3061224 | Google LLC   | 14/10/2014 | 3061224 | 14790942.8 |        |
| 3061408 | Ethicon LLC  | 26/02/2016 | 3061408 | 16157559.2 |        |
| 3061518 | Technische Universität Bergakademie<br>Freiberg  | 25/02/2016 | 3061518 | 16157263.1 | German |
| 3061604 | United Technologies Corporation  | 23/02/2016 | 3061604 | 16156987.6 |        |
| 3061796 | Kansai Paint Co., Ltd  | 11/06/2014 | 3061796 | 14855609.5 |        |
| 3063152 | SpecGx LLC   | 31/10/2014 | 3063152 | 14858224.0 |        |
| 3063172 | Biocardia, Inc.  | 28/10/2014 | 3063172 | 14857113.6 |        |
| 3063488 | FONDITAL S.p.A.  | 30/10/2014 | 3063488 | 14809522.7 |        |
| 3064214 | Zhejiang Medicine Co., Ltd. Xinchang<br>Pharmaceutical Factory   | 27/10/2014 | 3064214 | 14857463.5 |        |
| 3064378 | SUMITOMO RUBBER INDUSTRIES<br>LIMITED  | 19/02/2016 | 3064378 | 16156439.8 |        |
| 3064737 | Yanmar Co., Ltd.   | 22/10/2014 | 3064737 | 14857650.7 |        |
| 3064820 | Nippon Pillar Packing Co., Ltd.  | 15/10/2014 | 3064820 | 14857999.8 |        |
| 3065225 | Panasonic Intellectual Property<br>Management Co., Ltd.  | 31/10/2013 | 3065225 | 13896342.6 |        |
| 3065295 | AutoNetworks Technologies, Ltd.<br>Sumitomo Wiring Systems, Ltd.<br>Sumitomo Electric Industries, Ltd. | 17/10/2014 | 3065295 | 14858024.4 |        |
| 3065499 | Nokia Technologies Oy  | 04/03/2016 | 3065499 | 16158594.8 |        |
| 3065523 | FUJI Corporation   | 28/10/2013 | 3065523 | 13896709.6 |        |
| 3066011 | Stora Enso Oyj   | 17/10/2014 | 3066011 | 14857322.3 |        |

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| 3066194 | Life Technologies Corporation   | 05/11/2014             | 3066194      | 14802752.7 |        |
| 3066250 | Arçelik Anonim Sirketi  | 24/10/2014             | 3066250      | 14789823.3 |        |
| 3066802 | Telefonaktiebolaget LM Ericsson (publ)  | 30/01/2014             | 3066802      | 14707453.8 |        |
| 3066888 | BSH Hausgeräte GmbH   | 27/10/2014             | 3066888      | 14806727.5 | German |
| 3066918 | Big Dutchman International GmbH   | 10/06/2010             | 3066918      | 16162689.0 | German |
| 3067018 | J Q L A Bender & J A Boender  | 14/03/2016             | 3067018      | 16020083.8 |        |
| 3067086 | Dimar S.R.L.  | 08/03/2016             | 3067086      | 16159236.5 |        |
| 3067093 | Fundación Rioja Salud<br>Universidad De Zaragoza<br>Centro de Investigación Biomédica en<br>Red | 12/03/2015             | 3067093      | 15382111.1 |        |
| 3067309 | HAWE Hydraulik SE   | 10/03/2015             | 3067309      | 15158476.0 | German |
| 3067358 | Gilead Sciences, Inc.   | 19/12/2013             | 3067358      | 15201519.4 |        |
| 3067448 | Groz-Beckert KG   | 28/03/2011             | 3067448      | 16165424.9 | German |
| 3067597 | ESBE AB   | 09/03/2015             | 3067597      | 15158175.8 |        |
| 3067640 | Viessmann Werke GmbH & Co. KG   | 09/03/2016             | 3067640      | 16159464.3 | German |
| 3067880 | Dolby Laboratories Licensing<br>Corporation   | 15/09/2009             | 3067880      | 16150250.5 |        |
| 3067987 | KMW Inc.  | 29/10/2014             | 3067987      | 14860242.8 |        |
| 3068051 | Meidensha Corporation   | 06/11/2014             | 3068051      | 14860798.9 |        |
| 3068070 | Huawei Technologies Co., Ltd.   | 13/05/2014             | 3068070      | 14865957.6 |        |
| 3068269 | Exxel Outdoors, LLC   | 03/04/2014             | 3068269      | 14860708.8 |        |
| 3068316 | Thixos LLC  | 11/11/2014             | 3068316      | 14861391.2 |        |
| 3068609 | Makerbot Industries, LLC  | 10/11/2014             | 3068609      | 14862311.9 |        |
| 3068800 | UCB Biopharma SPRL  | 12/11/2014             | 3068800      | 14800000.3 |        |
| 3068835 | Hanwha Chemical Corporation   | 12/11/2014             | 3068835      | 14861996.8 |        |
| 3068994 | United Technologies Corporation   | 14/11/2014             | 3068994      | 14862211.1 |        |
| 3069392 | Merck Patent GmbH   | 20/10/2014             | 3069392      | 14789994.2 |        |
| 3069600 | PÖTTINGER Landtechnik GmbH  | 15/01/2016             | 3069600      | 16151442.7 | German |
| 3069743 | B. Braun Avitum AG  | 14/03/2016             | 3069743      | 16160153.9 | German |
| 3069793 | Flow-Tech Products GmbH   | 14/03/2016             | 3069793      | 16160146.3 | German |
| 3070229 | Cheng, Yu-Yung  | 22/02/2016             | 3070229      | 16156738.3 |        |
| 3070247 | Zimmer, Günther<br>Zimmer, Martin   | 16/03/2016             | 3070247      | 16000620.1 | German |
| 3070871 | Intel IP Corporation  | 01/02/2016             | 3070871      | 16153677.6 |        |
| 3070902 | Cisco Technology, Inc.  | 22/02/2016             | 3070902      | 16156779.7 |        |
| 3070909 | Canon Kabushiki Kaisha  | 01/03/2016             | 3070909      | 16000495.8 |        |
| 3070953 | Samsung Electronics Co., Ltd.   | 18/03/2016             | 3070953      | 16161252.8 |        |

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| 3071091 | Ingeneus Pty Ltd   | 19/11/2014 | 3071091 | 14864970.0 |        |
| 3071423 | Continental Reifen Deutschland GmbH  | 28/08/2014 | 3071423 | 14755829.0 | German |
| 3071696 | Mina Therapeutics Limited  | 24/11/2014 | 3071696 | 14843226.3 |        |
| 3071780 | Schlumberger Technology B.V.   | 20/11/2014 | 3071780 | 14863279.7 |        |
| 3072160 | Fondazione Centro Internazionale Della<br>Fotonica Per Energia                                   | 18/11/2014 | 3072160 | 14815037.8 |        |
| 3072798 | HONDA MOTOR CO., LTD.  | 16/02/2016 | 3072798 | 16155840.8 |        |
| 3072895 | Fu, Li   | 06/11/2014 | 3072895 | 14861789.7 |        |
| 3073344 | HONDA MOTOR CO., LTD.  | 22/03/2016 | 3073344 | 16161631.3 |        |
| 3073412 | NXP USA, Inc.  | 22/03/2016 | 3073412 | 16161724.6 |        |
| 3074865 | Cisco Technology, Inc.   | 24/11/2014 | 3074865 | 14819160.4 |        |
| 3075030 | Nokia Technologies Oy  | 14/11/2014 | 3075030 | 14824031.0 |        |
| 3075965 | Rolls-Royce Corporation<br>Rolls-Royce North American<br>Technologies, Inc.                      | 18/03/2016 | 3075965 | 16161058.9 |        |
| 3076809 | Philip Morris Products S.A.  | 04/12/2014 | 3076809 | 14806332.4 |        |
| 3076811 | Philip Morris Products S.A.  | 04/12/2014 | 3076811 | 14806657.4 |        |
| 3077045 | THE U.S. GOVERNMENT as<br>represented by THE DEPARTMENT<br>OF VETERANS AFFAIRS<br>Medtronic Inc. | 05/12/2014 | 3077045 | 14821018.0 |        |
| 3077285 | Kite Gen Research S.R.L.   | 07/11/2014 | 3077285 | 14828552.1 |        |
| 3077932 | Ares Trading SA  | 04/12/2014 | 3077932 | 14806636.8 |        |
| 3078447 | POSCO  | 24/12/2013 | 3078447 | 13898649.2 |        |
| 3078523 | Honda Motor Co., Ltd.  | 02/12/2014 | 3078523 | 14867351.0 |        |
| 3078524 | Honda Motor Co., Ltd.  | 02/12/2014 | 3078524 | 14868256.0 |        |
| 3079467 | Ecolab USA Inc.  | 27/11/2013 | 3079467 | 13798316.9 |        |
| 3079492 | Société des Produits Nestlé S.A.   | 28/11/2014 | 3079492 | 14805280.6 |        |
| 3079882 | WoodWelding AG   | 13/12/2013 | 3079882 | 13811768.4 |        |
| 3080265 | President and Fellows of Harvard<br>College  | 12/12/2014 | 3080265 | 14825518.5 |        |
| 3080354 | Stora Enso Oyj   | 12/12/2014 | 3080354 | 14869474.8 |        |
| 3080474 | Sew-Eurodrive GmbH & Co. KG  | 27/11/2014 | 3080474 | 14809592.0 | German |
| 3080746 | Cryptography Research Inc.   | 11/12/2014 | 3080746 | 14868741.1 |        |
| 3081581 | BOE Technology Group Co., Ltd.   | 16/06/2015 | 3081581 | 15832938.3 |        |
| 3081799 | Rolls-Royce Deutschland Ltd & Co KG  | 14/04/2015 | 3081799 | 15163535.6 |        |

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| 3082936 | Kardium Inc.   | 28/11/2014             | 3082936      | 14871405.8 |        |  |
| 3083281 | Compagnie Générale des<br>Etablissements Michelin  | 18/12/2014             | 3083281      | 14814870.3 | French |  |
| 3083308 | CNH Industrial Italia S.p.A.   | 11/12/2014             | 3083308      | 14809890.8 |        |  |
| 3083526 | GE Healthcare Limited  | 18/12/2014             | 3083526      | 14815726.6 |        |  |
| 3083628 | ESTEVE PHARMACEUTICALS, S.A.   | 18/12/2014             | 3083628      | 14825134.1 |        |  |
| 3083701 | Novo Nordisk A/S   | 17/12/2014             | 3083701      | 14827189.3 |        |  |
| 3083969 | Oxford BioMedica (UK) Limited  | 19/12/2014             | 3083969      | 14821255.8 |        |  |
| 3084482 | Telvent DTN LLC  | 22/12/2014             | 3084482      | 14871254.0 |        |  |
| 3084534 | Endress+Hauser Flowtec AG  | 25/11/2014             | 3084534      | 14805815.9 | German |  |
| 3084595 | Microsoft Technology Licensing, LLC  | 18/12/2014             | 3084595      | 14825543.3 |        |  |
| 3084742 | BSH Hausgeräte GmbH  | 18/12/2014             | 3084742      | 14824457.7 | German |  |
| 3084898 | Tridonic GmbH & Co KG  | 19/12/2014             | 3084898      | 14841356.0 | German |  |
| 3085219 | Amazonen-Werke H. Dreyer GmbH &<br>Co. KG  | 14/03/2016             | 3085219      | 16401018.3 | German |  |
| 3085293 | BSH Hausgeräte GmbH  | 30/03/2016             | 3085293      | 16162734.4 | German |  |
| 3085398 | D.Med Consulting GmbH  | 24/04/2015             | 3085398      | 15164983.7 | German |  |
| 3085457 | Canzian Fratelli S.r.l.  | 15/04/2016             | 3085457      | 16165468.6 |        |  |
| 3086169 | Toppan Printing Co., Ltd.  | 05/06/2014             | 3086169      | 14871610.3 |        |  |
| 3086482 | LG Electronics Inc.  | 18/12/2014             | 3086482      | 14871649.1 |        |  |
| 3086578 | Samsung Electronics Co., Ltd.  | 04/11/2015             | 3086578      | 15192980.9 |        |  |
| 3086965 | Scania CV AB   | 22/12/2014             | 3086965      | 14874509.4 |        |  |
| 3087095 | argenx BVBA<br>The Board of Regents of The University<br>of Texas System   | 23/12/2014             | 3087095      | 14827372.5 |        |  |
| 3087241 | Lutron Technology Company LLC  | 19/12/2014             | 3087241      | 14825559.9 |        |  |
| 3087527 | McAfee, LLC  | 27/12/2013             | 3087527      | 13900103.6 |        |  |
| 3087785 | Sagemcom Broadband SAS   | 18/12/2014             | 3087785      | 14821611.2 | French |  |
| 3088128 | FUJI Corporation   | 27/12/2013             | 3088128      | 13900204.2 |        |  |
| 3088210 | Bridgestone Corporation  | 12/06/2014             | 3088210      | 14873253.0 |        |  |
| 3088531 | Tosoh Corporation  | 17/12/2014             | 3088531      | 14874116.8 |        |  |
| 3088882 | Huazhong University of Science and<br>Technology   | 12/06/2014             | 3088882      | 14841923.7 |        |  |
| 3089060 | FUJITSU LIMITED  | 07/12/2015             | 3089060      | 15198304.6 |        |  |



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| 3089394 | Signal Trust for Wireless Innovation  | 29/10/2004 | 3089394 | 16174995.7 |        |
| 3089529 | NTT DOCOMO, INC.  | 15/12/2014 | 3089529 | 14875045.8 |        |
| 3089789 | L'Oréal   | 23/09/2014 | 3089789 | 14793874.0 | French |
| 3089956 | Givaudan SA   | 12/11/2015 | 3089956 | 15793851.5 |        |
| 3090161 | TOYOTA JIDOSHA KABUSHIKI<br>KAISHA  | 23/12/2014 | 3090161 | 14830573.3 |        |
| 3090584 | McAfee, LLC   | 24/12/2014 | 3090584 | 14876801.3 |        |
| 3090803 | Paris Sciences et Lettres - Quartier<br>Latin<br>Centre National de la Recherche<br>Scientifique (CNRS) | 07/05/2015 | 3090803 | 15305710.4 |        |
| 3090909 | Haldex Brake Products Aktiebolag  | 04/05/2015 | 3090909 | 15166216.0 | German |
| 3091074 | Repertoire Genesis Incorporation  | 20/11/2014 | 3091074 | 14864397.6 |        |
| 3091505 | JEOL Ltd.   | 05/05/2016 | 3091505 | 16168498.0 |        |
| 3091699 | Sanechips Technology Co., Ltd.  | 20/05/2014 | 3091699 | 14876562.1 |        |
| 3092094 | Senvion GmbH  | 09/01/2015 | 3092094 | 15700442.5 | German |
| 3092199 | Faradion Ltd.   | 08/01/2015 | 3092199 | 15700777.4 |        |
| 3092415 | Välinge Innovation AB   | 17/12/2014 | 3092415 | 14877862.4 |        |
| 3092504 | Power Survey LLC  | 06/01/2015 | 3092504 | 15857788.2 |        |
| 3092883 | EXEL INDUSTRIES   | 13/05/2015 | 3092883 | 15305721.1 |        |
| 3093022 | Sterna Biologicals GmbH & Co. KG  | 15/05/2015 | 3093022 | 15001472.8 |        |
| 3093267 | Airbus Defence and Space GmbH   | 12/05/2015 | 3093267 | 15167271.4 | German |
| 3093347 | Thermo Fisher Scientific Baltics UAB  | 24/04/2014 | 3093347 | 16163265.8 |        |
| 3093412 | Max Frank GmbH & Co. KG   | 04/04/2016 | 3093412 | 16163695.6 | German |
| 3094038 | ID Quantique S.A.   | 12/05/2015 | 3094038 | 15167392.8 |        |
| 3094081 | Hangzhou Hikvision Digital<br>Technology Co., Ltd.  | 06/01/2015 | 3094081 | 15734896.2 |        |
| 3094131 | Marvell World Trade Ltd.  | 08/06/2012 | 3094131 | 16177592.9 |        |
| 3094289 | ZOLL Circulation, Inc.  | 03/10/2014 | 3094289 | 14882315.6 |        |
| 3094814 | Rise Mining Developments Pty Ltd  | 22/12/2014 | 3094814 | 14877624.8 |        |
| 3095009 | Ricoh Company, Ltd.   | 06/01/2015 | 3095009 | 15737477.8 |        |
| 3095192 | Robert Bosch GmbH   | 21/11/2014 | 3095192 | 14802059.7 | German |
| 3095832 | General Electric Company  | 19/01/2012 | 3095832 | 16173586.5 |        |
| 3095885 | UACJ Corporation  | 09/01/2015 | 3095885 | 15737004.0 |        |
| 3096093 | Viessmann Werke GmbH & Co. KG   | 09/05/2016 | 3096093 | 16168731.4 | German |
| 3096397 | AGC Inc.  | 06/05/2016 | 3096397 | 16001037.7 |        |
| 3096406 | Thomas & Betts International LLC  | 19/05/2016 | 3096406 | 16170403.6 |        |
| 3096536 | The Boeing Company  | 17/06/2014 | 3096536 | 16174230.9 |        |

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| 3096595 | FUJI Corporation  | 17/01/2014             | 3096595      | 14879128.8 |        |
| 3096835 | Lungpacer Medical Inc.  | 20/01/2015             | 3096835      | 15740415.3 |        |
| 3096843 | 28 Engineering LLC  | 21/01/2015             | 3096843      | 15740603.4 |        |
| 3097223 | Groz-Beckert KG   | 12/01/2015             | 3097223      | 15700979.6 |        |
| 3097537 | Robert Bosch GmbH   | 02/12/2014             | 3097537      | 14805921.5 | German |
| 3098000 | Rolls-Royce plc   | 20/05/2016             | 3098000      | 16170600.7 |        |
| 3098588 | Microtracbel Corp.  | 22/01/2015             | 3098588      | 15740688.5 |        |
| 3098694 | Samsung Electronics Co., Ltd.   | 20/05/2016             | 3098694      | 16170743.5 |        |
| 3099069 | Huawei Technologies Co., Ltd.   | 21/02/2014             | 3099069      | 14883016.9 |        |
| 3099076 | InterDigital CE Patent Holdings   | 29/05/2015             | 3099076      | 15305817.7 |        |
| 3099854 | Teufelberger Fiber Rope GmbH  | 15/01/2015             | 3099854      | 15700988.7 | German |
| 3100658 | BSH Hausgeräte GmbH   | 02/06/2016             | 3100658      | 16172631.0 | German |
| 3100787 | Alere Toxicology PLC  | 16/05/2011             | 3100787      | 16178980.5 |        |
| 3100822 | Starrag GmbH  | 31/05/2016             | 3100822      | 16401035.7 | German |
| 3100953 | Hamilton Sundstrand Corporation   | 06/06/2016             | 3100953      | 16173121.1 |        |
| 3101062 | Shin-Etsu Chemical Co., Ltd.  | 10/05/2016             | 3101062      | 16001052.6 |        |
| 3101231 | Rolls-Royce Deutschland Ltd & Co KG   | 02/06/2016             | 3101231      | 16172713.6 | German |
| 3101432 | HITACHI HIGH-TECHNOLOGIES<br>CORPORATION  | 16/01/2015             | 3101432      | 15743833.4 |        |
| 3102037 | Novacart S.P.A.   | 05/02/2015             | 3102037      | 15708334.6 |        |
| 3102113 | The University Of Western Australia   | 30/01/2015             | 3102113      | 15743666.8 |        |
| 3102475 | Siemens Mobility GmbH   | 18/03/2015             | 3102475      | 15715176.2 | German |
| 3102559 | Chematur Technologies AB  | 05/02/2015             | 3102559      | 15705530.2 |        |
| 3102590 | Valorisation-HSJ, Limited Partnership<br>Valorisation-Recherche, Limited<br>Partnership | 06/02/2015             | 3102590      | 15745772.2 |        |
| 3102994 | Unify GmbH & Co. KG   | 02/02/2015             | 3102994      | 15705494.1 | German |
| 3103193 | Cirrus Logic, Inc.  | 03/02/2015             | 3103193      | 15705754.8 |        |
| 3103302 | Optimum Semiconductor Technologies<br>Inc.  | 02/02/2015             | 3103302      | 15746535.2 |        |
| 3103439 | MEDproject Pharma-Entwicklungs-<br>und Vertriebsgesellschaft mbH                        | 09/06/2015             | 3103439      | 15171233.8 |        |
| 3103829 | Mitsubishi Gas Chemical Company,<br>Inc.  | 06/02/2015             | 3103829      | 15746287.0 |        |
| 3103838 | Toray Industries, Inc.  | 29/01/2015             | 3103838      | 15746984.2 |        |

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|---------|---|------------|---------|------------|--------|
| 3104031 | MAHLE Engine Systems UK Limited<br>MAHLE International GmbH<br>Mahle Composants Moteur France SAS | 10/06/2015 | 3104031 | 15171524.0 |        |
| 3104228 | OCE-TECHNOLOGIES B.V.   | 01/06/2016 | 3104228 | 16172460.4 |        |
| 3104369 | Korea Institute of Science and<br>Technology  | 09/06/2016 | 3104369 | 16173721.8 |        |
| 3104394 | BioChromato, Inc.   | 03/02/2015 | 3104394 | 15746897.6 |        |
| 3105025 | Arkema France   | 11/02/2015 | 3105025 | 15709241.2 | French |
| 3105080 | Schuh, Rainer Karl  | 27/01/2015 | 3105080 | 15708699.2 | German |
| 3105206 | The Trustees of Columbia University<br>Universita' degli Studi di Genova<br>Maastricht University | 10/02/2015 | 3105206 | 15707888.2 |        |
| 3105401 | Assa Abloy Entrance Systems AB  | 10/02/2015 | 3105401 | 15703978.5 |        |
| 3105650 | Fujitsu Client Computing Limited  | 28/01/2015 | 3105650 | 15703026.3 | German |
| 3105903 | Koninklijke KPN N.V.<br>IMEC vzw<br>Universiteit Gent   | 12/02/2015 | 3105903 | 15705268.9 |        |
| 3106202 | Taipei Medical University<br>National Applied Research Laboratories                               | 18/06/2015 | 3106202 | 15172777.3 |        |
| 3106339 | HBPO GmbH   | 16/06/2016 | 3106339 | 16174773.8 | German |
| 3106503 | Rhodia Operations<br>IFP Energies nouvelles   | 17/06/2016 | 3106503 | 16174941.1 | French |
| 3106534 | Meidensha Corporation   | 17/02/2015 | 3106534 | 15758928.4 |        |
| 3106555 | ITEMA S.p.A.  | 08/06/2016 | 3106555 | 16173466.0 |        |
| 3106623 | United Technologies Corporation   | 04/04/2016 | 3106623 | 16163680.8 |        |
| 3107037 | Canvasbio Co., Ltd.<br>Crucialsoft Company  | 11/06/2014 | 3107037 | 14882746.2 |        |
| 3107217 | Sercel  | 18/06/2015 | 3107217 | 15305945.6 |        |
| 3107837 | Kochanowski, George E.  | 20/02/2015 | 3107837 | 15707237.2 |        |
| 3107940 | Dow Global Technologies LLC   | 27/01/2015 | 3107940 | 15703205.3 |        |
| 3108065 | JJ Cleaning Australia Pty Ltd   | 17/02/2015 | 3108065 | 15751304.5 |        |
| 3108093 | Hunting Titan, Inc.   | 21/05/2015 | 3108093 | 15796988.2 |        |
| 3108230 | Universität Basel<br>ETH Zürich   | 17/02/2015 | 3108230 | 15717089.5 |        |
| 3108788 | Vorwerk & Co. Interholding GmbH   | 03/06/2016 | 3108788 | 16172773.0 | German |
| 3109057 | Riso Kagaku Corporation   | 09/06/2016 | 3109057 | 16173765.5 |        |
| 3109149 | Scott, Martin   | 04/04/2016 | 3109149 | 16250006.0 |        |
| 3109152 | Airbus Operations GmbH  | 24/06/2015 | 3109152 | 15173538.8 |        |

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| 3109159 | AIRBUS HELICOPTERS<br>DEUTSCHLAND GmbH                | 22/06/2015             | 3109159      | 15400025.1 |        |
| 3109353 | Wuhan Love God High-Level<br>Dress&Adornments Co. Ltd | 13/01/2015             | 3109353      | 15748772.9 |        |
| 3109475 | Hitachi Industrial Equipment Systems<br>Co., Ltd.     | 21/02/2014             | 3109475      | 14883157.1 |        |
| 3109564 | Bleckmann GmbH & Co. KG                               | 24/06/2015             | 3109564      | 15173708.7 |        |
| 3109649 | ABB Schweiz AG  | 21/06/2016             | 3109649      | 16175583.0 |        |
| 3109681 | Huawei Technologies Co., Ltd.                         | 24/06/2016             | 3109681      | 16176153.1 |        |
| 3109859 | Huawei Technologies Co., Ltd.                         | 01/12/2014             | 3109859      | 14885915.0 |        |
| 3109998 | B&R Industrial Automation GmbH                        | 14/06/2016             | 3109998      | 16174356.2 | German |
| 3110108 | Cisco Technology, Inc.                                | 07/06/2016             | 3110108      | 16173398.5 |        |
| 3110137 | Samsung Electronics Co., Ltd.                         | 16/02/2015             | 3110137      | 15749320.6 |        |
| 3110166 | Airbus Operations GmbH                                | 26/06/2015             | 3110166      | 15174183.2 |        |
| 3110378 | Excel-Lens, Inc.                                      | 27/02/2015             | 3110378      | 15754864.5 |        |
| 3110558 | Micheletti, Giorgio<br>Mayer, Erardo Mateo            | 25/02/2015             | 3110558      | 15714640.8 |        |
| 3111064 | Scania CV AB  | 27/02/2015             | 3111064      | 15754802.5 |        |
| 3111065 | Scania CV AB  | 27/02/2015             | 3111065      | 15755558.2 |        |
| 3111067 | Scania CV AB  | 27/02/2015             | 3111067      | 15755785.1 |        |
| 3111072 | Scania CV AB  | 27/02/2015             | 3111072      | 15755143.3 |        |
| 3112238 | Canyon Bicycles GmbH                                  | 29/06/2016             | 3112238      | 16176816.3 | German |
| 3112241 | Honda Motor Co., Ltd.                                 | 28/06/2016             | 3112241      | 16176591.2 |        |
| 3112507 | Rieter Ingolstadt GmbH                                | 20/06/2016             | 3112507      | 16175295.1 | German |
| 3112621 | Anest Iwata Corporation                               | 30/06/2016             | 3112621      | 16177137.3 |        |
| 3112780 | Mitsubishi Electric Corporation                       | 28/02/2014             | 3112780      | 14883889.9 |        |
| 3112883 | Testo AG  | 29/06/2016             | 3112883      | 16001451.0 | German |
| 3113248 | Kabushiki Kaisha Toshiba                              | 23/12/2015             | 3113248      | 15202389.1 |        |
| 3113301 | Fujikura Ltd.   | 22/10/2014             | 3113301      | 14884180.2 |        |
| 3113350 | LSIS Co., Ltd.  | 13/04/2016             | 3113350      | 16165018.9 |        |
| 3114695 | Medical Energetics Ltd.                               | 04/03/2015             | 3114695      | 15713392.7 |        |
| 3114843 | Microsoft Technology Licensing, LLC                   | 04/03/2014             | 3114843      | 14884978.9 |        |
| 3115304 | V-Zug AG  | 15/06/2016             | 3115304      | 16174507.0 | German |
| 3115485 | Murata Machinery, Ltd.                                | 02/06/2016             | 3115485      | 16172580.9 |        |
| 3115503 | Mitsubishi Chemical Corporation                       | 05/03/2015             | 3115503      | 15757853.5 |        |
| 3115523 | Grobelny, Mieczyslaw                                  | 06/07/2016             | 3115523      | 16178089.5 |        |
| 3115863 | MULAG FAHRZEUGWERK Heinz<br>Wössner GmbH & CO. KG     | 22/06/2016             | 3115863      | 16175706.7 | German |

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| 3115923 | NCR Corporation  | 24/12/2015 | 3115923 | 15202748.8 |        |
| 3116056 | NISSAN MOTOR CO., LTD.<br>Kabushiki Kaisha Saginomiya<br>Seisakusho                  | 26/01/2015 | 3116056 | 15758375.8 |        |
| 3116535 | CureVac AG   | 12/03/2014 | 3116535 | 14716752.2 |        |
| 3117177 | Nostromo Holdings, LLC   | 10/03/2015 | 3117177 | 15800253.5 |        |
| 3117349 | Huawei Technologies Co., Ltd.  | 09/04/2015 | 3117349 | 15776191.7 |        |
| 3117365 | Ricoh Company, Ltd.  | 06/03/2015 | 3117365 | 15761633.5 |        |
| 3117577 | Tencent Technology (Shenzhen)<br>Company Limited                                     | 12/03/2014 | 3117577 | 14885554.7 |        |
| 3117625 | Western Digital Technologies, Inc.   | 12/03/2015 | 3117625 | 15761613.7 |        |
| 3117693 | Manufacturing Resources International,<br>Inc.                                       | 11/03/2015 | 3117693 | 15761567.5 |        |
| 3117923 | ROBERT BOSCH GMBH  | 03/06/2016 | 3117923 | 16172776.3 | German |
| 3117924 | ROBERT BOSCH GMBH  | 03/06/2016 | 3117924 | 16172785.4 | German |
| 3117925 | ROBERT BOSCH GMBH  | 03/06/2016 | 3117925 | 16172796.1 | German |
| 3118044 | MAN Truck & Bus SE   | 22/06/2016 | 3118044 | 16001402.3 | German |
| 3118091 | MAN Truck & Bus SE   | 27/06/2016 | 3118091 | 16001437.9 | German |
| 3118370 | Toray Industries, Inc.   | 04/03/2015 | 3118370 | 15760771.4 |        |
| 3118638 | ABB Schweiz AG   | 22/06/2016 | 3118638 | 16175730.7 |        |
| 3119137 | DENSO Corporation  | 29/06/2016 | 3119137 | 16176828.8 |        |
| 3119414 | Yissum Research Development<br>Company of the Hebrew University of<br>Jerusalem Ltd. | 18/03/2015 | 3119414 | 15731729.8 |        |
| 3119444 | LTS Lohmann Therapie-Systeme AG  | 16/03/2015 | 3119444 | 15712526.1 | German |
| 3119712 | Rieter Ingolstadt GmbH   | 16/03/2015 | 3119712 | 15711110.5 | German |
| 3119861 | Dow Global Technologies LLC  | 18/03/2014 | 3119861 | 14886221.2 |        |
| 3119866 | Henkel AG & Co. KGaA   | 26/01/2015 | 3119866 | 15700898.8 |        |
| 3120004 | Eaton Corporation  | 17/03/2015 | 3120004 | 15802430.7 |        |
| 3120138 | Magnasense Technologies Oy   | 20/03/2015 | 3120138 | 15764309.9 |        |
| 3120207 | Flextronics AP, LLC  | 08/04/2014 | 3120207 | 14724260.6 |        |
| 3120409 | Kathrein-Austria Ges.M.B.H.  | 26/02/2015 | 3120409 | 15708728.9 | German |
| 3120910 | Flamco B.V.  | 11/01/2013 | 3120910 | 16188002.6 |        |
| 3121399 | Yanmar Co., Ltd.   | 04/03/2015 | 3121399 | 15764374.3 |        |
| 3121432 | NISSAN MOTOR CO., LTD.   | 20/03/2014 | 3121432 | 14886558.7 |        |
| 3121987 | Huawei Technologies Co., Ltd.  | 29/06/2012 | 3121987 | 16170845.8 |        |
| 3121999 | Siemens Industry, Inc.<br>Siemens Corporation  | 03/09/2009 | 3121999 | 16186768.4 |        |

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| 3122402 | Wockhardt Limited  | 13/03/2015             | 3122402      | 15717057.2 |        |
| 3122421 | Advanced Bionics AG  | 22/03/2014             | 3122421      | 14717970.9 |        |
| 3122436 | Mahle International GmbH                                   | 19/03/2015             | 3122436      | 15711150.1 | German |
| 3122660 | Société des Produits Nestlé S.A.                           | 16/02/2015             | 3122660      | 15704317.5 |        |
| 3122671 | Yaskawa Nordic AB  | 19/03/2015             | 3122671      | 15768677.5 |        |
| 3123030 | Ateliers Busch S.A.  | 07/04/2014             | 3123030      | 14715334.0 | French |
| 3123633 | Osram Sylvania Inc.  | 25/03/2015             | 3123633      | 15717321.2 |        |
| 3124133 | ROBERT BOSCH GMBH  | 06/06/2016             | 3124133      | 16173027.0 | German |
| 3124267 | Seiko Epson Corporation                                    | 19/03/2015             | 3124267      | 15768894.6 |        |
| 3124310 | Kabushiki Kaisha Tokai Rika Denki<br>Seisakusho            | 17/03/2015             | 3124310      | 15768329.3 |        |
| 3124475 | Bristol-Myers Squibb Company                               | 01/09/2010             | 3124475      | 16180810.0 |        |
| 3124803 | ROBERT BOSCH GMBH  | 06/06/2016             | 3124803      | 16173030.4 | German |
| 3125394 | NR Electric Co., Ltd.<br>NR Electric Engineering Co., Ltd. | 12/01/2015             | 3125394      | 15796511.2 |        |
| 3125725 | L & P Property Management Company                          | 30/03/2015             | 3125725      | 15774219.8 |        |
| 3126108 | A O Schallinox GmbH  | 27/03/2015             | 3126108      | 15712174.0 | German |
| 3126410 | DOW GLOBAL TECHNOLOGIES<br>LLC                             | 20/03/2015             | 3126410      | 15774488.9 |        |
| 3126416 | Johnson & Johnson Vision Care Inc.                         | 30/03/2015             | 3126416      | 15717333.7 |        |
| 3126554 | Applied Cavitation Inc.                                    | 08/04/2015             | 3126554      | 15776513.2 |        |
| 3126674 | Arçelik Anonim Sirketi                                     | 31/03/2014             | 3126674      | 14714989.2 |        |
| 3126860 | Tesla, Inc.  | 02/04/2015             | 3126860      | 15774092.9 |        |
| 3127248 | Koninklijke Philips N.V.                                   | 15/06/2015             | 3127248      | 15728023.1 |        |
| 3127274 | Intel Corporation  | 05/03/2015             | 3127274      | 15773683.6 |        |
| 3127970 | National Institute for Materials Science                   | 30/03/2015             | 3127970      | 15772382.6 |        |
| 3128054 | Kabushiki Kaisha Toyota Jidoshokki                         | 05/03/2015             | 3128054      | 15773751.1 |        |
| 3128243 | Mitsubishi Electric Corporation                            | 14/01/2015             | 3128243      | 15773757.8 |        |
| 3128679 | The Boeing Company   | 10/05/2016             | 3128679      | 16169042.5 |        |
| 3128804 | Huawei Technologies Co., Ltd.                              | 22/04/2014             | 3128804      | 14889857.0 |        |
| 3128860 | Cargill, Incorporated                                      | 26/03/2015             | 3128860      | 15715097.0 |        |
| 3128958 | Össur HF   | 10/04/2015             | 3128958      | 15776980.3 |        |
| 3128998 | BASF SE  | 07/04/2015             | 3128998      | 15777568.5 |        |
| 3129199 | Hermescec, Branko<br>Ling Ling, Zhang                      | 01/04/2015             | 3129199      | 15776406.9 |        |
| 3129266 | Renault S.A.S.   | 10/03/2015             | 3129266      | 15717537.3 | French |
| 3129276 | Swissfleet Services GmbH                                   | 10/04/2015             | 3129276      | 15716500.2 | German |
| 3129526 | ATOTECH Deutschland GmbH                                   | 07/04/2015             | 3129526      | 15714809.9 |        |

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| 3129685 | Emerson Process Management<br>Regulator Technologies, Inc.  | 08/04/2015 | 3129685 | 15717762.7 |        |
| 3130017 | OSRAM OLED GmbH   | 31/03/2015 | 3130017 | 15717828.6 | German |
| 3130175 | LG Electronics Inc.   | 24/02/2015 | 3130175 | 15777461.3 |        |
| 3130186 | Qualcomm Incorporated   | 02/04/2015 | 3130186 | 15718678.4 |        |
| 3130382 | ISA Co., Ltd.   | 10/08/2016 | 3130382 | 16183553.3 |        |
| 3130439 | Bridgestone Corporation   | 13/04/2015 | 3130439 | 15777251.8 |        |
| 3130602 | CanImGuide Therapeutics AB  | 08/05/2008 | 3130602 | 16189090.0 |        |
| 3130745 | CSI Technologies LLC  | 30/06/2016 | 3130745 | 16177357.7 |        |
| 3130976 | IHI Corporation   | 29/06/2015 | 3130976 | 15837331.6 |        |
| 3131340 | China General Nuclear Power Group<br>China Nuclear Power Engineering<br>Company Ltd.  | 10/12/2014 | 3131340 | 14888593.2 |        |
| 3131470 | Samsung Electronics Co., Ltd.   | 20/03/2015 | 3131470 | 15779605.3 |        |
| 3131490 | Digma Medical Ltd.  | 16/04/2015 | 3131490 | 15779180.7 |        |
| 3131913 | Calixar   | 08/04/2015 | 3131913 | 15716007.8 |        |
| 3131953 | Akina Inc. (an Indiana (US) Corp.)<br>The Government of the United States of<br>America as Represented by the<br>Department of Veterans Affairs | 13/04/2015 | 3131953 | 15780119.2 |        |
| 3132639 | Telefonaktiebolaget LM Ericsson (publ)  | 14/04/2014 | 3132639 | 14727961.6 |        |
| 3132834 | Angel Playing Cards Co., Ltd.   | 15/05/2015 | 3132834 | 15792414.3 |        |
| 3133039 | Daifuku Co., Ltd.   | 04/06/2015 | 3133039 | 15805915.4 |        |
| 3133042 | Daifuku Co., Ltd.   | 04/06/2015 | 3133042 | 15806687.8 |        |
| 3133136 | JNC Corporation<br>JNC Petrochemical Corporation  | 24/03/2015 | 3133136 | 15780220.8 |        |
| 3133219 | Hugo Vogelsang Maschinenbau GmbH  | 30/06/2016 | 3133219 | 16177379.1 | German |
| 3133318 | Kawasaki Jukogyo Kabushiki Kaisha   | 13/04/2015 | 3133318 | 15780362.8 |        |
| 3133780 | BlackBerry Limited  | 08/06/2016 | 3133780 | 16173596.4 |        |
| 3133844 | Fanpictor AG  | 17/08/2015 | 3133844 | 15181267.4 |        |
| 3134506 | Translate Bio, Inc.   | 24/04/2015 | 3134506 | 15783316.1 |        |
| 3134624 | Scania CV AB  | 27/02/2015 | 3134624 | 15755231.6 |        |
| 3134625 | Scania CV AB  | 27/02/2015 | 3134625 | 15755632.5 |        |
| 3135079 | Signify Holding B.V.  | 27/04/2015 | 3135079 | 15718238.7 |        |
| 3135348 | Fitlight Sports Corp.   | 01/10/2015 | 3135348 | 15187969.9 |        |
| 3137640 | AXON'CABLE  | 24/04/2015 | 3137640 | 15723270.3 | French |
| 3137851 | Google LLC  | 25/06/2015 | 3137851 | 15739092.3 |        |
| 3138269 | Koninklijke Philips N.V.  | 08/04/2015 | 3138269 | 15713790.2 |        |

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| 3138319 | T-Mobile USA, Inc.   | 15/04/2015             | 3138319      | 15786435.6 |        |
| 3138453 | OP-Hygiene IP GmbH   | 31/08/2016             | 3138453      | 16186567.0 |        |
| 3138494 | Becton, Dickinson and Company  | 09/09/2008             | 3138494      | 16187765.9 |        |
| 3138728 | Dorel France   | 25/10/2013             | 3138728      | 16181803.4 | French |
| 3138730 | Benecke-Kaliko AG  | 09/06/2016             | 3138730      | 16173645.9 | German |
| 3138749 | erae AMS Co., Ltd.   | 09/06/2015             | 3138749      | 15807526.7 |        |
| 3138850 | Kythera Biopharmaceuticals, Inc.   | 14/06/2012             | 3138850      | 16192999.7 |        |
| 3138859 | Bridgestone Corporation  | 03/06/2015             | 3138859      | 15807535.8 |        |
| 3139207 | LG Display Co., Ltd.   | 23/12/2015             | 3139207      | 15202336.2 |        |
| 3139244 | VIA Alliance Semiconductor Co., Ltd.   | 09/10/2015             | 3139244      | 15189158.7 |        |
| 3139311 | Goodrich Corporation   | 30/08/2016             | 3139311      | 16186246.1 |        |
| 3139554 | Huawei Technologies Co., Ltd.  | 06/05/2014             | 3139554      | 14891148.0 |        |
| 3140022 | L'Air Liquide Société Anonyme pour<br>l'Etude et l'Exploitation des Procédés<br>Georges Claude | 06/05/2015             | 3140022      | 15723401.4 |        |
| 3140310 | Rempex Pharmaceuticals, Inc.   | 30/04/2015             | 3140310      | 15788682.1 |        |
| 3141353 | Würth International AG   | 17/08/2016             | 3141353      | 16184445.1 | German |
| 3141693 | Max Wild GmbH  | 09/09/2016             | 3141693      | 16188189.1 | German |
| 3142139 | JEOL Ltd.  | 06/09/2016             | 3142139      | 16187492.0 |        |
| 3142215 | Guangdong Oppo Mobile<br>Telecommunications Corp., Ltd   | 27/03/2015             | 3142215      | 15886807.5 |        |
| 3142220 | Guangdong Oppo Mobile<br>Telecommunications Corp., Ltd   | 11/03/2015             | 3142220      | 15859893.8 |        |
| 3142278 | ZTE Corporation  | 01/09/2014             | 3142278      | 14891460.9 |        |
| 3142285 | Kyynel Oy  | 10/09/2015             | 3142285      | 15184607.8 |        |
| 3142545 | Nokia Technologies OY  | 05/05/2015             | 3142545      | 15729531.2 |        |
| 3142712 | Rasirc, Inc.   | 12/05/2015             | 3142712      | 15792856.5 |        |
| 3142725 | Novo Nordisk A/S   | 08/05/2015             | 3142725      | 15721245.7 |        |
| 3142751 | MedImmune Limited  | 12/05/2015             | 3142751      | 15722195.3 |        |
| 3142753 | Bauer Hockey Ltd.  | 12/05/2015             | 3142753      | 15793488.6 |        |
| 3142924 | Lufthansa Technik AG   | 12/05/2015             | 3142924      | 15723481.6 | German |
| 3143035 | THE REGENTS OF THE<br>UNIVERSITY OF CALIFORNIA   | 15/05/2015             | 3143035      | 15793647.7 |        |
| 3143613 | Qualcomm Incorporated  | 15/05/2015             | 3143613      | 15725953.2 |        |
| 3143731 | JPY Limited  | 27/02/2015             | 3143731      | 15709729.6 |        |
| 3144287 | Sumitomo Electric Industries, Ltd.   | 14/04/2015             | 3144287      | 15792229.5 |        |
| 3144367 | DIC Corporation  | 09/04/2015             | 3144367      | 15793192.4 |        |
| 3144582 | Simon, S.A.U.  | 16/09/2016             | 3144582      | 16189190.8 |        |



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| 3144711 | Sony Olympus Medical Solutions Inc.  | 25/05/2015 | 3144711 | 15809666.9 |        |
| 3144940 | LG Chem, Ltd.  | 07/05/2015 | 3144940 | 15792930.8 |        |
| 3145063 | Mitsuba Corporation  | 13/05/2015 | 3145063 | 15792313.7 |        |
| 3145273 | E.G.O. ELEKTRO-GERÄTEBAU<br>GmbH   | 14/09/2016 | 3145273 | 16188807.8 | German |
| 3146092 | Tata Steel IJmuiden BV   | 21/05/2015 | 3146092 | 15726900.2 |        |
| 3146499 | Flir Systems, Inc.<br>Noiseless Imaging Oy Ltd.  | 22/05/2015 | 3146499 | 15728981.0 |        |
| 3146505 | Koninklijke Philips N.V.   | 19/05/2015 | 3146505 | 15731398.2 |        |
| 3146610 | Arnould, Christophe  | 18/05/2015 | 3146610 | 15728911.7 | French |
| 3146674 | Inventio AG  | 13/05/2015 | 3146674 | 15721730.8 |        |
| 3147083 | MAX CO., LTD.  | 22/09/2016 | 3147083 | 16002050.9 |        |
| 3147156 | Dayou Holdings Co., Ltd.   | 22/05/2015 | 3147156 | 15795451.2 |        |
| 3147216 | Airbus Defence and Space GmbH  | 23/09/2015 | 3147216 | 15186476.6 | German |
| 3147407 | Sankyo Tateyama, Inc.<br>Hoshikei Kinzoku Kogyo Co., Ltd.<br>Japan Construction Machinery and<br>Construction Association<br>Institute of Fundamental Technological<br>Research Polish Academy of Sciences<br>Hiroshima University | 17/06/2014 | 3147407 | 14895015.7 |        |
| 3147575 | Techem Energy Services GmbH  | 24/08/2016 | 3147575 | 16185415.3 | German |
| 3148165 | Instart Logic Inc.   | 21/09/2016 | 3148165 | 16189939.8 |        |
| 3148600 | Galderma S.A.  | 29/05/2015 | 3148600 | 15726137.1 |        |
| 3148673 | CiDRA Corporate Services, Inc.   | 01/06/2015 | 3148673 | 15799760.2 |        |
| 3148771 | Dow Global Technologies LLC  | 27/05/2015 | 3148771 | 15728323.5 |        |
| 3149119 | The Lubrizol Corporation   | 27/05/2015 | 3149119 | 15745264.0 |        |
| 3149292 | ThyssenKrupp Presta TecCenter AG   | 22/04/2015 | 3149292 | 15719446.5 | German |
| 3149914 | Telefonaktiebolaget LM Ericsson (publ)   | 01/06/2015 | 3149914 | 15731118.4 |        |
| 3150020 | Telefonaktiebolaget LM Ericsson (publ)   | 02/06/2014 | 3150020 | 14737050.6 |        |
| 3150278 | Euroimmun Medizinische<br>Labordiagnostika AG  | 02/10/2015 | 3150278 | 15002822.3 | German |
| 3150455 | Zhao, Yi   | 29/05/2015 | 3150455 | 15798826.2 |        |
| 3150546 | Kito Corporation   | 29/05/2015 | 3150546 | 15799750.3 |        |
| 3151113 | Canon Kabushiki Kaisha   | 16/09/2016 | 3151113 | 16189128.8 |        |
| 3151497 | ZTE Wavetone Science And<br>Technology Ltd.  | 29/12/2014 | 3151497 | 14893609.9 |        |
| 3151606 | QUALCOMM Incorporated  | 22/02/2012 | 3151606 | 16199799.4 |        |

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| 3151856 | Merck Patent GmbH  | 12/05/2015             | 3151856      | 15722448.6 |        |
| 3151899 | Evoluzione S.r.l.<br>SIDAM S.r.l.<br>Ospedale Pediatrico Bambino Gesù                            | 04/06/2015             | 3151899      | 15738985.9 |        |
| 3151962 | F. Hoffmann-La Roche AG  | 03/06/2015             | 3151962      | 15725384.0 |        |
| 3152113 | Federal Express Corporation  | 02/06/2015             | 3152113      | 15730593.9 |        |
| 3152230 | Octapharma AG  | 08/06/2015             | 3152230      | 15732554.9 |        |
| 3152285 | Stora Enso Oyj   | 02/06/2015             | 3152285      | 15803495.9 |        |
| 3152331 | Cornell University   | 08/06/2015             | 3152331      | 15802743.3 |        |
| 3152493 | HKH Development B.V.   | 04/06/2015             | 3152493      | 15738149.2 |        |
| 3152541 | Magee, Garth L   | 28/05/2015             | 3152541      | 15803614.5 |        |
| 3152760 | Micron Technology, Inc.  | 04/06/2015             | 3152760      | 15803466.0 |        |
| 3152820 | ThyssenKrupp Presta TecCenter AG   | 18/05/2015             | 3152820      | 15722236.5 | German |
| 3152822 | The University of British Columbia   | 05/06/2015             | 3152822      | 15803662.4 |        |
| 3152837 | Leopold Kostal GmbH & Co. KG   | 01/06/2015             | 3152837      | 15726146.2 | German |
| 3152863 | Telefonaktiebolaget LM Ericsson (publ)   | 03/06/2014             | 3152863      | 14731560.0 |        |
| 3152885 | Telefonaktiebolaget LM Ericsson (publ)   | 03/06/2014             | 3152885      | 14727558.0 |        |
| 3153064 | Grass GmbH   | 29/09/2016             | 3153064      | 16191339.7 | German |
| 3153070 | New-Tec Integration (Xiamen) Co.,<br>Ltd.  | 05/06/2015             | 3153070      | 15802482.8 |        |
| 3153175 | Osaka University   | 02/06/2015             | 3153175      | 15803250.8 |        |
| 3153195 | Taisei Kako Co., Ltd.<br>Chugai Seiyaku Kabushiki Kaisha   | 04/06/2015             | 3153195      | 15803488.4 |        |
| 3153464 | L'Air Liquide Société Anonyme pour<br>l'Etude et l'Exploitation des Procédés<br>Georges Claude   | 05/10/2015             | 3153464      | 15400043.4 | German |
| 3153471 | Universidad Politécnica de Valencia<br>Consejo Superior de Investigaciones<br>Científicas (CSIC) | 03/06/2015             | 3153471      | 15802461.2 |        |
| 3153686 | Yanmar Co., Ltd.   | 02/06/2015             | 3153686      | 15802492.7 |        |
| 3153786 | Daikin Industries, Ltd.  | 03/06/2015             | 3153786      | 15806603.5 |        |
| 3153804 | Arçelik Anonim Sirketi   | 19/08/2016             | 3153804      | 16184912.0 |        |
| 3154256 | Yulong Computer Telecommunication<br>Scientific (Shenzhen) Co., Ltd.                             | 30/06/2015             | 3154256      | 15878504.8 |        |
| 3154388 | Schuhvision GmbH   | 09/06/2015             | 3154388      | 15733639.7 | German |
| 3154626 | Neuvana, LLC   | 13/06/2015             | 3154626      | 15806116.8 |        |
| 3154650 | Universal City Studios LLC   | 15/06/2015             | 3154650      | 15731471.7 |        |
| 3154678 | IFP Energies nouvelles   | 09/06/2015             | 3154678      | 15737993.4 | French |

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| 3154700 | Wacker Chemie AG  | 02/06/2015 | 3154700 | 15730704.2 | German |
| 3154837 | Init Innovative Informatikanwendungen<br>In Transport Verkehrs- Und<br>Leitsystemen GmbH  | 15/06/2016 | 3154837 | 16744294.6 | German |
| 3154962 | Gilead Sciences, Inc.   | 10/06/2015 | 3154962 | 15795017.1 |        |
| 3155006 | University of Cape Town   | 15/06/2015 | 3155006 | 15735638.7 |        |
| 3155680 | Umicore Korea Ltd.<br>Umicore   | 01/06/2015 | 3155680 | 15806939.3 |        |
| 3155732 | Technische Universität Dortmund   | 15/06/2015 | 3155732 | 15741496.2 | German |
| 3155794 | Koninklijke Philips N.V.  | 03/06/2015 | 3155794 | 15728467.0 |        |
| 3155922 | Crossfor Co., Ltd.  | 18/03/2014 | 3155922 | 16194300.6 |        |
| 3155995 | Visualase, Inc.   | 03/04/2009 | 3155995 | 16197308.6 |        |
| 3156203 | Ecovent Kabushiki Kaisha  | 16/06/2014 | 3156203 | 14894913.4 |        |
| 3156397 | Takeda Pharmaceutical Company<br>Limited  | 11/06/2015 | 3156397 | 15806591.2 |        |
| 3157011 | NXP B.V.  | 13/10/2015 | 3157011 | 15189603.2 |        |
| 3157083 | Sumitomo Metal Mining Co., Ltd.   | 20/05/2015 | 3157083 | 15806577.1 |        |
| 3157294 | LG Electronics Inc.   | 09/06/2015 | 3157294 | 15805785.1 |        |
| 3157504 | Medicell Technologies, LLC  | 16/06/2015 | 3157504 | 15810115.4 |        |
| 3157607 | 4Tech Inc.  | 14/06/2015 | 3157607 | 15810418.2 |        |
| 3157621 | Vanderbilt University   | 18/06/2015 | 3157621 | 15734494.6 |        |
| 3157645 | Kosmo, Jennifer, Lynn   | 11/06/2015 | 3157645 | 15808927.6 |        |
| 3157733 | 1/4 Vin   | 16/06/2015 | 3157733 | 15736555.2 | French |
| 3157771 | Volvo Construction Equipment AB   | 18/06/2014 | 3157771 | 14895035.5 |        |
| 3157920 | Chiesi Farmaceutici S.p.A.  | 16/06/2015 | 3157920 | 15735639.5 |        |
| 3157968 | Dow Global Technologies LLC<br>Rohm and Haas Company  | 20/06/2014 | 3157968 | 14895220.3 |        |
| 3158061 | The U.S.A. as represented by the<br>Secretary, Department of Health and<br>Human Services   | 19/06/2015 | 3158061 | 15734770.9 |        |
| 3158062 | Institut National de la Recherche<br>Agronomique<br>Institut Polytechnique de Bordeaux<br>Institut National des Sciences<br>Appliquées de Toulouse<br>Centre National de la Recherche<br>Scientifique<br>Université de Bordeaux | 19/06/2015 | 3158062 | 15732192.8 | French |

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| 3158108 | Sensus Spectrum LLC  | 18/06/2015             | 3158108      | 15738514.7 |        |
| 3158157 | Lutron Technology Company LLC  | 23/06/2015             | 3158157      | 15735809.4 |        |
| 3158173 | Hilite Germany GmbH  | 16/06/2015             | 3158173      | 15771027.8 | German |
| 3158174 | TOYOTA JIDOSHA KABUSHIKI KAISHA  | 15/06/2015             | 3158174      | 15738486.8 |        |
| 3158196 | VHIT S.p.A.  | 23/06/2015             | 3158196      | 15741341.0 |        |
| 3158507 | Giesecke+Devrient Mobile Security GmbH                                       | 15/06/2015             | 3158507      | 15738588.1 | German |
| 3158988 | Ricoh Company, Ltd.  | 21/10/2016             | 3158988      | 16195156.1 |        |
| 3159336 | Shenzhen Salubris Pharmaceuticals Co., Ltd.                                  | 05/06/2015             | 3159336      | 15809449.0 |        |
| 3159380 | Merck Patent GmbH  | 30/09/2016             | 3159380      | 16002113.5 | German |
| 3159412 | Icon Genetics GmbH   | 09/06/2011             | 3159412      | 16200729.8 |        |
| 3159464 | Siegenia-Aubi KG   | 15/08/2016             | 3159464      | 16184133.3 | German |
| 3159565 | NTN Corporation  | 20/05/2015             | 3159565      | 15810130.3 |        |
| 3159854 | Multidimension Technology Co., Ltd.  | 12/06/2015             | 3159854      | 15811990.9 |        |
| 3159944 | University-Industry Cooperation Group of Kyung Hee University                | 07/07/2016             | 3159944      | 16178407.9 |        |
| 3159962 | Intellian Technologies Inc.  | 12/06/2015             | 3159962      | 15811131.0 |        |
| 3160089 | Solarwinds Worldwide, LLC  | 21/10/2016             | 3160089      | 16195009.2 |        |
| 3160181 | Sony Corporation   | 05/06/2015             | 3160181      | 15811249.0 |        |
| 3160428 | Unilever PLC   | 11/06/2015             | 3160428      | 15727678.3 |        |
| 3160599 | Kurion, Inc.   | 24/06/2015             | 3160599      | 15810926.4 |        |
| 3160791 | Siemens Mobility GmbH  | 14/08/2015             | 3160791      | 15757173.8 | German |
| 3160872 | Volvo Group North America, LLC   | 10/10/2011             | 3160872      | 11873824.4 |        |
| 3160894 | Morlo Gesellschaft Mit Beschränkter Haftung                                  | 26/06/2015             | 3160894      | 15747373.7 | German |
| 3161007 | UCB Biopharma SPRL   | 25/06/2015             | 3161007      | 15732228.0 |        |
| 3161118 | Henkel AG & Co. KGaA   | 18/06/2015             | 3161118      | 15730147.4 | German |
| 3161129 | Angiocrine Bioscience, Inc.  | 26/06/2015             | 3161129      | 15810918.1 |        |
| 3161147 | GE Healthcare UK Limited   | 23/06/2015             | 3161147      | 15731561.5 |        |
| 3161256 | Welltec A/S  | 29/06/2015             | 3161256      | 15731964.1 |        |
| 3161390 | Schletter International B.V.   | 17/02/2010             | 3161390      | 10726872.4 | German |
| 3161397 | BSH Hausgeräte GmbH  | 03/06/2015             | 3161397      | 15726166.0 | German |
| 3161559 | HP Indigo B.V.   | 30/06/2014             | 3161559      | 14733667.1 |        |

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| 3161677 | Amazon Technologies, Inc.   | 24/06/2015 | 3161677 | 15734006.8 |        |
| 3161918 | Herges, Peter   | 15/06/2015 | 3161918 | 15729160.0 | German |
| 3161992 | Telefonaktiebolaget LM Ericsson (publ)  | 26/06/2014 | 3161992 | 14748271.5 |        |
| 3162391 | Nikkiso Co., Ltd.   | 26/06/2015 | 3162391 | 15811627.7 |        |
| 3162487 | OCI Company Ltd.  | 26/06/2015 | 3162487 | 15811001.5 |        |
| 3162589 | Bridgestone Corporation   | 24/06/2014 | 3162589 | 14895799.6 |        |
| 3162611 | Thunder Power New Energy Vehicle<br>Development Company Limited   | 12/10/2016 | 3162611 | 16193478.1 |        |
| 3162778 | Hunan Zhengyuan Institute For Energy<br>Storage Materials And Devices<br>Shenzhen Smoore Technology Limited | 16/06/2014 | 3162778 | 14814656.6 |        |
| 3162805 | School Juridical Person Kitasato<br>Institute   | 18/06/2015 | 3162805 | 15812239.0 |        |
| 3163223 | National Institute for Materials Science  | 24/06/2015 | 3163223 | 15811681.4 |        |
| 3163301 | Japan Tobacco, Inc.<br>Virus Ikagaku Kenkyusho Inc.   | 25/06/2015 | 3163301 | 15811939.6 |        |
| 3163798 | LG Electronics Inc.   | 29/06/2015 | 3163798 | 15814072.3 |        |
| 3163882 | Sony Corporation  | 16/06/2015 | 3163882 | 15814032.7 |        |
| 3164130 | Millennium Pharmaceuticals, Inc.  | 30/06/2015 | 3164130 | 15815330.4 |        |
| 3164928 | Signify Holding B.V.  | 24/06/2015 | 3164928 | 15731323.0 |        |
| 3165101 | Altria Client Services LLC  | 31/01/2013 | 3165101 | 16165071.8 |        |
| 3165286 | Dr. Ing. Gössling Maschinenfabrik<br>GmbH   | 25/10/2016 | 3165286 | 16195454.0 | German |
| 3165839 | Qingdao Haier Air Conditioner Gen<br>Corp., Ltd.  | 08/12/2014 | 3165839 | 14896467.9 |        |
| 3166144 | NISSAN MOTOR CO., LTD.  | 25/05/2015 | 3166144 | 15815096.1 |        |
| 3166231 | SOLiD INC   | 05/04/2016 | 3166231 | 16163781.4 |        |
| 3166260 | ZTE Corporation   | 21/10/2014 | 3166260 | 14888905.8 |        |
| 3166410 | Polar Device OY   | 10/06/2015 | 3166410 | 15818343.4 |        |
| 3166960 | Xellia Pharmaceuticals ApS  | 29/06/2015 | 3166960 | 15735887.0 |        |
| 3167129 | GERFLOR   | 07/07/2015 | 3167129 | 15754260.6 | French |
| 3167185 | Vestas Wind Systems A/S   | 05/06/2015 | 3167185 | 15728398.7 |        |
| 3167507 | Robert Bosch GmbH   | 09/06/2015 | 3167507 | 15730093.0 | German |
| 3167595 | Sony Corporation  | 11/06/2015 | 3167595 | 15738144.3 |        |
| 3167818 | Covidien LP   | 06/10/2003 | 3167818 | 16204896.1 |        |
| 3168148 | Lee, Jin-Woo<br>Kim, Hwan-Tae   | 21/10/2016 | 3168148 | 16002256.2 |        |
| 3168256 | Mitsui Chemicals, Inc.  | 25/09/2014 | 3168256 | 16204704.7 |        |

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| 3168915 | BASF SE<br>Sion Power Corporation                 | 11/11/2016             | 3168915      | 16198477.8 |        |
| 3169166 | International Flavors & Fragrances Inc.           | 14/06/2016             | 3169166      | 16815058.9 |        |
| 3169564 | Valeo Systèmes d'Essuyage                         | 16/07/2015             | 3169564      | 15738644.2 | French |
| 3169871 | Saudi Arabian Oil Company                         | 18/06/2015             | 3169871      | 15733965.6 |        |
| 3169966 | ThyssenKrupp Marine Systems GmbH                  | 30/06/2015             | 3169966      | 15732271.0 | German |
| 3170585 | Refractory Intellectual Property GmbH<br>& Co. KG | 27/06/2012             | 3170585      | 16202491.3 |        |
| 3171573 | Aerohive Networks, Inc.                           | 30/08/2013             | 3171573      | 17151065.4 |        |
| 3171997 | SMS group GmbH                                    | 01/06/2015             | 3171997      | 15725362.6 | German |
| 3172517 | Airbus Helicopters                                | 16/06/2015             | 3172517      | 15729169.1 | French |
| 3172950 | GI. DI. Meccanica S.p.A.                          | 09/11/2016             | 3172950      | 16198029.7 |        |
| 3173136 | Yu, Bingyan                                       | 16/03/2015             | 3173136      | 15785686.5 |        |
| 3173341 | The Boeing Company                                | 04/12/2014             | 3173341      | 17151340.1 |        |
| 3173617 | Molnár, János                                     | 29/11/2016             | 3173617      | 16020472.3 | German |
| 3173650 | Goodrich Corporation                              | 14/11/2016             | 3173650      | 16198730.0 |        |
| 3174631 | IFP Energies nouvelles                            | 22/06/2015             | 3174631      | 15732582.0 | French |
| 3175111 | AW-Energy Oy                                      | 18/06/2014             | 3175111      | 14894872.2 |        |
| 3175141 | Robert Bosch GmbH                                 | 08/06/2015             | 3175141      | 15730089.8 |        |
| 3175150 | FTE automotive GmbH                               | 28/07/2015             | 3175150      | 15744484.5 | German |
| 3176187 | Organik Kimya Sanayi Ve Tic. A.S.                 | 02/12/2015             | 3176187      | 15003435.3 |        |
| 3176282 | Hyundai Steel Company<br>Hyundai Motor Company    | 20/06/2016             | 3176282      | 16175227.4 |        |
| 3176289 | Shin-Etsu Quartz Products Co.,Ltd.                | 01/06/2015             | 3176289      | 15827320.1 |        |
| 3176607 | The Boeing Company                                | 03/11/2016             | 3176607      | 16197095.9 |        |
| 3176670 | MediaTek Inc.                                     | 22/11/2016             | 3176670      | 16199954.5 |        |
| 3176834 | LG Innotek Co., Ltd.                              | 04/05/2015             | 3176834      | 15827829.1 |        |
| 3176879 | Phoenix Contact GmbH & Co. KG                     | 25/11/2016             | 3176879      | 16200669.6 | German |
| 3178511 | Senko Medical Instrument Mfg. Co.,<br>Ltd.        | 07/08/2015             | 3178511      | 15829084.1 |        |
| 3178553 | Technip France SA                                 | 10/12/2015             | 3178553      | 15199100.7 |        |
| 3178874 | Korea Institute of Science and<br>Technology      | 25/11/2016             | 3178874      | 16200696.9 |        |
| 3179621 | Samsung Display Co., Ltd.                         | 18/08/2016             | 3179621      | 16184706.6 |        |
| 3180076 | Advanced Bionics AG                               | 14/08/2014             | 3180076      | 14755547.8 |        |
| 3180119 | UOP LLC   | 26/06/2015             | 3180119      | 15831954.1 |        |
| 3180943 | Samsung Electronics Co., Ltd.                     | 13/08/2015             | 3180943      | 15831896.4 |        |

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| 3181003 | Japana Co., Ltd.   | 12/06/2015 | 3181003 | 15831265.2 |        |
| 3181097 | Fujian Institute Of Research On The<br>Structure Of Matter, Chinese Academy<br>Of Sciences | 23/06/2015 | 3181097 | 15832600.9 |        |
| 3181754 | Hamm AG  | 26/10/2016 | 3181754 | 16195791.5 | German |
| 3181969 | Hamilton Sundstrand Corporation  | 14/12/2015 | 3181969 | 15461583.5 |        |
| 3182033 | Palo Alto Research Center,<br>Incorporated   | 06/12/2016 | 3182033 | 16202547.2 |        |
| 3182462 | Beijing Institute of Nanoenergy and<br>Nanosystems   | 12/08/2015 | 3182462 | 15831774.3 |        |
| 3182502 | LG Chem, Ltd.  | 22/09/2015 | 3182502 | 15848774.4 |        |
| 3182643 | HUAWEI TECHNOLOGIES CO.,<br>LTD.   | 07/09/2015 | 3182643 | 15843212.0 |        |
| 3182743 | NEC Corporation  | 10/08/2015 | 3182743 | 15831343.7 |        |
| 3182935 | In2Bones   | 07/08/2015 | 3182935 | 15766899.7 | French |
| 3183405 | Schlage Lock Company LLC   | 24/08/2015 | 3183405 | 15833601.6 |        |
| 3183667 | Intuit Inc.  | 28/08/2014 | 3183667 | 14879253.4 |        |
| 3183992 | Braun GmbH   | 11/10/2016 | 3183992 | 16193384.1 |        |
| 3184015 | Toshiba Lifestyle Products & Services<br>Corporation                                       | 12/08/2015 | 3184015 | 15834522.3 |        |
| 3185339 | Samsung SDI Co., Ltd   | 21/12/2016 | 3185339 | 16205869.7 |        |
| 3185454 | HUAWEI TECHNOLOGIES CO.,<br>LTD.   | 10/10/2014 | 3185454 | 14903679.0 |        |
| 3185629 | Huawei Technologies Co., Ltd.  | 20/08/2014 | 3185629 | 14899974.1 |        |
| 3186498 | Dürr Systems AG  | 24/09/2015 | 3186498 | 15774550.6 | German |
| 3186583 | Raytheon Company   | 01/04/2015 | 3186583 | 15781470.8 |        |
| 3186635 | Agency for Science, Technology And<br>Research   | 31/08/2015 | 3186635 | 15835338.3 |        |
| 3187049 | BASF SE  | 06/10/2014 | 3187049 | 16204918.3 |        |
| 3187347 | Lai, Yanping   | 13/12/2016 | 3187347 | 16203588.5 |        |
| 3187697 | General Electric Company   | 20/12/2016 | 3187697 | 16205239.3 |        |
| 3187718 | United Technologies Corporation  | 20/12/2016 | 3187718 | 16205550.3 |        |
| 3187723 | General Electric Company   | 13/12/2016 | 3187723 | 16203694.1 |        |
| 3187863 | Kyocera Corporation  | 22/08/2015 | 3187863 | 15836633.6 |        |
| 3188676 | Ossio Ltd.   | 07/09/2015 | 3188676 | 15838477.6 |        |
| 3188726 | Rafael Pharmaceuticals, Inc.   | 19/06/2014 | 3188726 | 14895389.6 |        |
| 3189085 | PTT Global Chemical Public Company<br>Limited  | 04/09/2015 | 3189085 | 15782094.5 |        |

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| 3189219 | Scania CV AB   | 26/08/2015             | 3189219      | 15837240.9 |        |
| 3189259 | Command Alkon Incorporated   | 01/09/2015             | 3189259      | 15838750.6 |        |
| 3189557 | Commissariat à l'Énergie Atomique et aux Énergies Alternatives     | 03/09/2015             | 3189557      | 15757496.3 | French |
| 3190157 | The University of Tokyo<br>Panasonic Corporation                   | 31/08/2015             | 3190157      | 15838402.4 |        |
| 3190200 | Nippon Steel Corporation   | 31/08/2015             | 3190200      | 15838391.9 |        |
| 3190349 | LG Electronics Inc.  | 04/09/2015             | 3190349      | 15838047.7 |        |
| 3190520 | Huawei Technologies Co. Ltd.                                       | 01/09/2014             | 3190520      | 14901117.3 |        |
| 3191294 | Stowe Woodward Licensco LLC  | 08/09/2015             | 3191294      | 15770697.9 |        |
| 3191405 | Chevron U.S.A. Inc.  | 12/03/2015             | 3191405      | 15760528.8 |        |
| 3191487 | Boehringer Ingelheim International GmbH                            | 08/09/2015             | 3191487      | 15757523.4 |        |
| 3191490 | Medimmune Limited  | 11/09/2015             | 3191490      | 15766215.6 |        |
| 3191523 | Yeda Research and Development Co., Ltd.                            | 08/09/2015             | 3191523      | 15781155.5 |        |
| 3192153 | Texas Instruments Incorporated                                     | 10/07/2015             | 3192153      | 15818933.2 |        |
| 3192901 | MGI Tech Co., Ltd.   | 26/11/2014             | 3192901      | 14901602.4 |        |
| 3192997 | Winterthur Gas & Diesel Ltd.                                       | 13/01/2016             | 3192997      | 16151119.1 |        |
| 3193625 | Koninklijke Douwe Egberts B.V.                                     | 16/06/2015             | 3193625      | 15736037.1 |        |
| 3193684 | Koninklijke Philips N.V.   | 06/09/2015             | 3193684      | 15760155.0 |        |
| 3193832 | AL.CHI.MI.A. S.r.l.  | 15/06/2016             | 3193832      | 16745816.5 |        |
| 3194183 | Continental Reifen Deutschland GmbH                                | 22/06/2015             | 3194183      | 15729522.1 | German |
| 3194389 | PROXIMAGEN, LLC  | 17/09/2015             | 3194389      | 15770605.2 |        |
| 3194412 | Arlanxeo Netherlands B.V.  | 08/09/2015             | 3194412      | 15759472.2 |        |
| 3194552 | Henkel AG & Co. KGaA   | 11/09/2015             | 3194552      | 15767448.2 | German |
| 3194847 | Isomo N.V.   | 15/09/2015             | 3194847      | 15805378.5 |        |
| 3195066 | MAZEBOLT TECHNOLOGIES LTD.   | 03/09/2015             | 3195066      | 15837567.5 |        |
| 3195410 | AT&T Intellectual Property I, LP                                   | 27/08/2015             | 3195410      | 15762866.0 |        |
| 3195643 | Huawei Technologies Co., Ltd.                                      | 27/05/2015             | 3195643      | 15860109.6 |        |
| 3195858 | Doshi, Praful  | 02/04/2011             | 3195858      | 17159664.6 |        |
| 3195985 | Max Co., Ltd.  | 12/12/2013             | 3195985      | 17000347.9 |        |
| 3196194 | Shenzhen Chipscreen Biosciences, Ltd.                              | 14/09/2015             | 3196194      | 15842179.2 |        |
| 3196475 | Mitsubishi Heavy Industries, Ltd.                                  | 07/10/2015             | 3196475      | 15862893.3 |        |
| 3197089 | Huawei Technologies Co., Ltd.                                      | 06/11/2014             | 3197089      | 14905535.2 |        |



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| 3198235 | Continental Teves AG & Co. OHG  | 22/09/2015 | 3198235 | 15771070.8 | German |
| 3198584 | MAGSEE GmbH   | 01/09/2015 | 3198584 | 15771010.4 |        |
| 3198667 | Obrist Technologies GmbH  | 22/09/2015 | 3198667 | 15774535.7 | German |
| 3198888 | Genelec OY  | 24/09/2015 | 3198888 | 15791673.5 |        |
| 3199085 | Terumo Kabushiki Kaisha   | 25/09/2015 | 3199085 | 15843233.6 |        |
| 3199474 | Wanek-Pusset, Peter<br>Grentner, Bernhard   | 11/01/2017 | 3199474 | 17150928.4 | German |
| 3199702 | Japan Tobacco Inc.  | 02/12/2014 | 3199702 | 14907283.7 |        |
| 3199709 | Blade Offshore Services Ltd.  | 01/02/2016 | 3199709 | 16153711.3 |        |
| 3199776 | TOYOTA JIDOSHA KABUSHIKI<br>KAISHA  | 23/01/2017 | 3199776 | 17152673.4 |        |
| 3199978 | SICK AG   | 16/12/2016 | 3199978 | 16204877.1 | German |
| 3200394 | Huawei Technologies Co., Ltd.   | 29/06/2015 | 3200394 | 15850532.1 |        |
| 3200408 | Deutsche Telekom AG   | 29/01/2016 | 3200408 | 16153267.6 |        |
| 3200728 | McCullen, Seth<br>Accardi, Mario Alberto  | 02/10/2015 | 3200728 | 15847098.9 |        |
| 3201011 | Compagnie Générale des<br>Etablissements Michelin   | 30/09/2015 | 3201011 | 15778565.0 |        |
| 3201362 | PTT Global Chemical Public Company<br>Limited   | 01/10/2015 | 3201362 | 15847240.7 |        |
| 3201953 | Lumileds Holding B.V.   | 29/09/2015 | 3201953 | 15777841.6 |        |
| 3202100 | Qualcomm Incorporated   | 01/10/2015 | 3202100 | 15781008.6 |        |
| 3202343 | FUJIFILM Corporation  | 29/09/2015 | 3202343 | 15845858.8 |        |
| 3202582 | Ricoh Company, Ltd.   | 01/02/2017 | 3202582 | 17154169.1 |        |
| 3203005 | Stabilus GmbH   | 01/02/2017 | 3203005 | 17154183.2 | German |
| 3203360 | NEC Corporation   | 10/01/2013 | 3203360 | 16200416.2 |        |
| 3203880 | Froli Kunststoffwerk Heinrich Fromme,<br>Inhaberin Margret Fromme-Ruthmann<br>e. Kfr.   | 08/10/2015 | 3203880 | 15828329.1 | German |
| 3204278 | Bayerische Motoren Werke<br>Aktiengesellschaft  | 06/10/2015 | 3204278 | 15775449.0 | German |
| 3204335 | De Nora Water Technologies, LLC   | 30/09/2015 | 3204335 | 15849564.8 |        |
| 3204380 | Institut National de la Santé et de la<br>Recherche Médicale<br>Association Francaise Contre Les<br>Myopathies<br>Universite d'Evry Val d'Essonne | 07/10/2015 | 3204380 | 15775223.9 |        |
| 3204813 | Leica Microsystems (Schweiz) AG   | 01/10/2015 | 3204813 | 15771603.6 | German |

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| 3204974 | Reinz-Dichtungs-GmbH & Co. KG                       | 07/10/2015             | 3204974      | 15777679.0 |        |
| 3205059 | Qualcomm Incorporated                               | 25/09/2015             | 3205059      | 15781803.0 |        |
| 3205314 | W.L. Gore & Associates Inc.                         | 21/01/2013             | 3205314      | 17166472.5 |        |
| 3205574 | Rohr, Inc.  | 10/02/2017             | 3205574      | 17155552.7 |        |
| 3205887 | Hitachi Construction Machinery Co., Ltd.            | 04/09/2015             | 3205887      | 15848584.7 |        |
| 3206352 | LG Electronics Inc.                                 | 09/06/2015             | 3206352      | 15851557.7 |        |
| 3206446 | LG Electronics Inc.                                 | 07/10/2015             | 3206446      | 15848254.7 |        |
| 3206794 | Oxford Nanopore Technologies Limited                | 15/10/2015             | 3206794      | 15784125.5 |        |
| 3206830 | Trumpf Werkzeugmaschinen GmbH + Co. KG              | 13/10/2014             | 3206830      | 14784054.0 | German |
| 3206966 | Philip Morris Products S.A.                         | 13/10/2015             | 3206966      | 15780843.7 |        |
| 3207067 | SABIC Global Technologies B.V.                      | 12/10/2015             | 3207067      | 15778946.2 |        |
| 3207090 | Bridgestone Corporation                             | 15/10/2015             | 3207090      | 15849971.5 |        |
| 3207130 | Halozyme, Inc.                                      | 14/10/2015             | 3207130      | 15797486.6 |        |
| 3208001 | Westeria Fördertechnik GmbH                         | 20/02/2017             | 3208001      | 17156885.0 | German |
| 3208096 | Komori Corporation                                  | 05/10/2015             | 3208096      | 15850838.2 |        |
| 3208361 | Mitsubishi Heavy Industries, Ltd.                   | 13/10/2015             | 3208361      | 15850574.3 |        |
| 3208364 | Dipsol Chemicals Co., Ltd.                          | 25/06/2015             | 3208364      | 15849917.8 |        |
| 3208413 | Griesser Holding AG                                 | 30/06/2016             | 3208413      | 16177098.7 | German |
| 3208678 | Hamilton Sundstrand Corporation                     | 21/02/2017             | 3208678      | 17157091.4 |        |
| 3208806 | MediaTek Inc.                                       | 16/02/2017             | 3208806      | 17156430.5 |        |
| 3208988 | Huawei Technologies Co., Ltd.                       | 05/11/2014             | 3208988      | 14905643.4 |        |
| 3209256 | The Procter & Gamble Company                        | 19/10/2015             | 3209256      | 15791092.8 |        |
| 3209380 | Brainlab AG   | 25/06/2015             | 3209380      | 15731076.4 |        |
| 3210155 | Microsoft Technology Licensing, LLC                 | 18/10/2015             | 3210155      | 15788524.5 |        |
| 3210305 | Microchip Technology Incorporated                   | 27/01/2015             | 3210305      | 15704639.2 |        |
| 3210657 | Beutler, Jörg                                       | 29/02/2016             | 3210657      | 16157957.8 | German |
| 3210820 | Kabushiki Kaisha Toshiba                            | 08/10/2015             | 3210820      | 15852709.3 |        |
| 3210881 | Goodrich Corporation                                | 13/02/2017             | 3210881      | 17155855.4 |        |
| 3210925 | KONE Corporation                                    | 10/06/2011             | 3210925      | 17152924.1 |        |
| 3210991 | Shenyang Fuyang Pharmaceutical Technology Co., Ltd. | 25/05/2011             | 3210991      | 17166118.4 |        |
| 3211249 | Nanjing Mindray Bio-Medical Electronics Co., Ltd.   | 23/10/2014             | 3211249      | 14904596.5 |        |
| 3211972 | Alteme Licht AG                                     | 16/01/2017             | 3211972      | 17151639.6 | German |
| 3212099 | Mathys AG Bettlach                                  | 22/10/2015             | 3212099      | 15790442.6 | German |
| 3212342 | Aqua Products Inc.                                  | 30/10/2015             | 3212342      | 15854607.7 |        |

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| 3212381 | Plümat Plate & Lübeck GmbH & Co.   | 15/06/2016 | 3212381 | 16729565.8 | German |
| 3212559 | Oceaneering International Inc.   | 02/04/2015 | 3212559 | 15854994.9 |        |
| 3213034 | Atlantic Inertial Systems Limited  | 27/10/2015 | 3213034 | 15790207.3 |        |
| 3213888 | Hultafors Group AB   | 03/03/2016 | 3213888 | 16158477.6 |        |
| 3213922 | Seiko Epson Corporation  | 08/02/2017 | 3213922 | 17155121.1 |        |
| 3214008 | Takeya USA Corporation   | 01/03/2017 | 3214008 | 17158691.0 |        |
| 3214104 | Mitsubishi Gas Chemical Company,<br>Inc.   | 24/11/2015 | 3214104 | 15869741.7 |        |
| 3214129 | Asahi Fiber Glass Co., Ltd.  | 30/10/2015 | 3214129 | 15855629.0 |        |
| 3214168 | Jiangnan University  | 08/12/2014 | 3214168 | 14904983.5 |        |
| 3214316 | Sew-Eurodrive GmbH & Co. KG  | 22/01/2008 | 3214316 | 17000355.2 | German |
| 3214335 | Park, Jong Bok   | 08/10/2015 | 3214335 | 15853956.9 |        |
| 3214338 | Mitsuboshi Belting Ltd.  | 30/10/2015 | 3214338 | 15854588.9 |        |
| 3214497 | Shin-Etsu Chemical Co., Ltd.   | 22/02/2017 | 3214497 | 17000284.4 |        |
| 3214524 | Sony Corporation   | 14/09/2015 | 3214524 | 15854482.5 |        |
| 3215083 | The Procter & Gamble Company   | 06/11/2015 | 3215083 | 15794791.2 |        |
| 3215528 | F.HOFFMANN-LA ROCHE AG   | 04/11/2015 | 3215528 | 15790922.7 |        |
| 3215898 | Siemens Schweiz AG   | 03/11/2014 | 3215898 | 14905319.1 |        |
| 3215960 | Spotify AB   | 31/03/2016 | 3215960 | 16712927.9 |        |
| 3216188 | Microsoft Technology Licensing, LLC  | 03/11/2015 | 3216188 | 15794429.9 |        |
| 3216624 | Bridgestone Corporation  | 24/08/2012 | 3216624 | 17165411.4 |        |
| 3216625 | Bridgestone Corporation  | 24/08/2012 | 3216625 | 17165442.9 |        |
| 3216729 | Seiko Epson Corporation  | 09/03/2017 | 3216729 | 17160016.6 |        |
| 3216922 | Bockay, Jan  | 07/03/2017 | 3216922 | 17159655.4 | German |
| 3216949 | Kabushiki Kaisha Honda Lock  | 21/10/2015 | 3216949 | 15857688.4 |        |
| 3217176 | Scienion AG  | 11/03/2016 | 3217176 | 16000589.8 | French |
| 3217476 | Sercomm Corporation  | 09/03/2017 | 3217476 | 17159993.9 |        |
| 3217526 | NXP B.V.   | 01/03/2017 | 3217526 | 17158735.5 |        |
| 3217859 | Koninklijke Philips N.V.   | 13/11/2015 | 3217859 | 15794184.0 |        |
| 3218077 | Sulzer Chemtech AG   | 09/06/2015 | 3218077 | 15729407.5 |        |
| 3218117 | Gema Switzerland GmbH  | 06/11/2015 | 3218117 | 15790592.8 | German |
| 3218384 | ELKEM SILICONES France SAS<br>Centre National de la Recherche<br>Scientifique - CNRS | 12/11/2015 | 3218384 | 15808718.9 | French |
| 3218750 | Corning Optical Communications LLC   | 06/11/2015 | 3218750 | 15864298.3 |        |
| 3218953 | Intec Energy Storage Corp.   | 12/11/2015 | 3218953 | 15858433.4 |        |
| 3218956 | Intec Energy Storage Corp.   | 12/11/2015 | 3218956 | 15858923.4 |        |
| 3219076 | Cisco Technology, Inc.   | 09/11/2015 | 3219076 | 15801026.4 |        |

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| 3219118 | Qualcomm Incorporated  | 08/10/2015             | 3219118      | 15801518.0 |        |
| 3219163 | Qualcomm Incorporated  | 10/11/2015             | 3219163      | 15798618.3 |        |
| 3219204 | Intrexon Corporation   | 02/05/2005             | 3219204      | 17165360.3 |        |
| 3219249 | Fortimedix Surgical B.V.   | 30/06/2008             | 3219249      | 17162659.1 |        |
| 3219966 | Yamabiko Corporation   | 05/11/2015             | 3219966      | 15859350.9 |        |
| 3220044 | EUROPHANE SAS  | 16/03/2017             | 3220044      | 17305287.9 | French |
| 3220110 | WIPOTEC GmbH   | 13/03/2017             | 3220110      | 17160634.6 | German |
| 3220203 | Kyocera Document Solutions Inc.  | 17/03/2017             | 3220203      | 17161605.5 |        |
| 3220512 | LG Innotek Co., Ltd.   | 10/11/2015             | 3220512      | 15859982.9 |        |
| 3221115 | Synventive Molding Solutions, Inc.                                     | 19/11/2015             | 3221115      | 15805672.1 |        |
| 3221441 | Henkel AG & Co. KGaA   | 04/11/2015             | 3221441      | 15790539.9 | German |
| 3221598 | A. Raymond et Cie  | 03/06/2016             | 3221598      | 16741850.8 | German |
| 3222060 | Microsoft Technology Licensing, LLC                                    | 16/11/2015             | 3222060      | 15801075.1 |        |
| 3222086 | Telefonaktiebolaget LM Ericsson (publ)                                 | 20/11/2014             | 3222086      | 14906364.6 |        |
| 3222189 | Pfennig Reinigungstechnik GmbH   | 22/03/2017             | 3222189      | 17162354.9 | German |
| 3222339 | Nitto Denko Corporation  | 19/11/2015             | 3222339      | 15860261.5 |        |
| 3222399 | SMP Deutschland GmbH   | 23/03/2016             | 3222399      | 16161875.6 | German |
| 3222606 | Zhejiang Zhuji United Chemicals Co., Ltd                               | 25/09/2015             | 3222606      | 15864805.5 |        |
| 3222626 | LG Chem, Ltd.  | 16/02/2016             | 3222626      | 16752670.6 |        |
| 3222627 | Pacific Biosciences of California, Inc.                                | 14/02/2013             | 3222627      | 17165469.2 |        |
| 3222633 | The Penn State Research Foundation<br>Virginia Commonwealth University | 15/03/2013             | 3222633      | 17170963.7 |        |
| 3222670 | Lotte Advanced Materials Co., Ltd.                                     | 03/11/2015             | 3222670      | 15861890.0 |        |
| 3222765 | Goodrich Corporation   | 07/03/2017             | 3222765      | 17159553.1 |        |
| 3223598 | PELLENC  | 03/11/2015             | 3223598      | 15804876.9 | French |
| 3223622 | Société des Produits Nestlé S.A.                                       | 09/11/2015             | 3223622      | 15793776.4 |        |
| 3223660 | Colgate-Palmolive Company  | 23/12/2014             | 3223660      | 14825575.5 |        |
| 3224005 | GEA Food Solutions Germany GmbH  | 03/11/2015             | 3224005      | 15794856.3 | German |
| 3224174 | thyssenkrupp Elevator AG<br>thyssenkrupp AG                            | 10/11/2015             | 3224174      | 15791305.4 | German |
| 3224376 | uniQure IP B.V.  | 27/11/2015             | 3224376      | 15801422.5 |        |
| 3224411 | Paptic Ltd   | 20/11/2015             | 3224411      | 15820196.2 |        |
| 3224577 | ASML Netherlands B.V.  | 22/10/2015             | 3224577      | 15784669.2 |        |
| 3224622 | GE Healthcare Bio-Sciences AB  | 24/11/2015             | 3224622      | 15802025.5 |        |
| 3224948 | Huawei Technologies Co., Ltd.  | 01/12/2015             | 3224948      | 15868582.6 |        |
| 3225092 | Sulky Burel  | 28/03/2017             | 3225092      | 17163394.4 | French |
| 3225554 | Hamilton Sundstrand Corporation  | 22/03/2017             | 3225554      | 17162238.4 |        |

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| 3225645 | SABIC Global Technologies B.V.                         | 13/03/2014 | 3225645 | 17170119.6 |        |
| 3225722 | Consejo Superior de Investigaciones Científicas (CSIC) | 24/11/2015 | 3225722 | 15862295.1 |        |
| 3225936 | Heatcraft Refrigeration Products LLC                   | 27/03/2017 | 3225936 | 17163149.2 |        |
| 3226505 | Huawei Technologies Co., Ltd.                          | 11/11/2015 | 3226505 | 15865634.8 |        |
| 3226593 | Sony Corporation                                       | 24/01/2012 | 3226593 | 17168763.5 |        |
| 3226894 | Transgene SA   | 01/12/2015 | 3226894 | 15804407.3 |        |
| 3226961 | Neurohabilitation Corporation                          | 30/11/2015 | 3226961 | 15812899.1 |        |
| 3227212 | Weber Maschinenbau GmbH Breidenbach                    | 15/12/2015 | 3227212 | 15813030.2 | German |
| 3227287 | Bayer Pharma Aktiengesellschaft                        | 30/11/2015 | 3227287 | 15801455.5 | German |
| 3227314 | Boehringer Ingelheim Animal Health USA Inc.            | 07/12/2015 | 3227314 | 15819940.6 |        |
| 3227367 | Dow Silicones Corporation                              | 02/12/2015 | 3227367 | 15812979.1 |        |
| 3227488 | Arçelik Anonim Sirketi                                 | 30/09/2015 | 3227488 | 15771147.4 |        |
| 3227490 | McClory, Paul G.                                       | 03/12/2015 | 3227490 | 15808444.2 |        |
| 3227891 | Servizi Ospedalieri S.p.A.                             | 30/11/2015 | 3227891 | 15823385.8 |        |
| 3228022 | LG Electronics Inc.                                    | 02/12/2015 | 3228022 | 15866132.2 |        |
| 3228585 | Airbus Defence and Space GmbH                          | 08/04/2016 | 3228585 | 16164424.0 |        |
| 3229069 | LG Electronics Inc.                                    | 03/04/2017 | 3229069 | 17164525.2 |        |
| 3229573 | Hamilton Sundstrand Corporation                        | 04/04/2017 | 3229573 | 17164795.1 |        |
| 3229882 | Human Design Medical, LLC                              | 08/12/2015 | 3229882 | 15825881.4 |        |
| 3229988 | TDK Electronics AG                                     | 07/12/2015 | 3229988 | 15805201.9 | German |
| 3230731 | LAR Process Analysers AG                               | 08/12/2015 | 3230731 | 15834790.6 | German |
| 3231042 | Legrand France<br>Legrand SNC                          | 30/10/2015 | 3231042 | 15797138.3 | French |
| 3231070 | eMoSys GmbH  | 08/12/2015 | 3231070 | 15805517.8 | German |
| 3231148 | Hewlett-Packard Development Company, L.P.              | 24/04/2015 | 3231148 | 15890126.4 |        |
| 3231223 | Telefonaktiebolaget LM Ericsson (publ)                 | 08/12/2014 | 3231223 | 14907856.0 |        |
| 3231244 | Qualcomm Incorporated                                  | 08/12/2015 | 3231244 | 15825680.0 |        |
| 3231392 | National Cerebral and Cardiovascular Center            | 18/12/2015 | 3231392 | 15870076.5 |        |
| 3231502 | Idec Corporation                                       | 14/01/2014 | 3231502 | 17000830.4 |        |
| 3231715 | The Boeing Company                                     | 04/04/2017 | 3231715 | 17164799.3 |        |
| 3231734 | Full Most Co., Ltd                                     | 12/04/2017 | 3231734 | 17166229.9 |        |
| 3231942 | HTL Patentverwaltungs-UG (haftungsbeschränkt)          | 11/04/2017 | 3231942 | 17166082.2 | German |

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| 3232157 | GE Aviation Systems LLC   | 12/04/2017             | 3232157      | 17166184.6 |        |
| 3232279 | Union Carbide Chemicals & Plastics<br>Technology LLC              | 21/09/2006             | 3232279      | 17172897.5 |        |
| 3232362 | Nippon Telegraph and Telephone<br>Corporation                     | 14/01/2016             | 3232362      | 16737420.6 |        |
| 3232426 | BOE Technology Group Co., Ltd.                                    | 07/05/2015             | 3232426      | 15791471.4 |        |
| 3232724 | HFI Innovation Inc.   | 20/06/2011             | 3232724      | 17167337.9 |        |
| 3233406 | DSM IP Assets B.V.  | 17/12/2015             | 3233406      | 15817224.7 |        |
| 3233859 | Merck Sharp & Dohme Corp.<br>MSD R & D (China) Co. Ltd.           | 10/12/2015             | 3233859      | 15870726.5 |        |
| 3234046 | Dow Global Technologies LLC                                       | 19/12/2014             | 3234046      | 14908235.6 |        |
| 3234215 | Fujifilm Manufacturing Europe BV                                  | 14/12/2015             | 3234215      | 15813515.2 |        |
| 3234223 | Sandvik Intellectual Property AB                                  | 17/12/2015             | 3234223      | 15816443.4 |        |
| 3234403 | KNORR-BREMSE Systeme für<br>Nutzfahrzeuge GmbH                    | 17/12/2015             | 3234403      | 15810667.4 | German |
| 3234454 | GE Lighting Solutions, LLC  | 19/12/2014             | 3234454      | 14908219.0 |        |
| 3234948 | Commissariat à l'Énergie Atomique et<br>aux Énergies Alternatives | 18/12/2015             | 3234948      | 15817806.1 | French |
| 3234966 | Continental Automotive GmbH                                       | 03/12/2015             | 3234966      | 15804768.8 | German |
| 3235286 | AirTies Belgium SPRL  | 17/12/2015             | 3235286      | 15810732.6 |        |
| 3235318 | Telefonaktiebolaget LM Ericsson (publ)                            | 19/12/2014             | 3235318      | 14908529.2 |        |
| 3235356 | Veoneer Sweden AB   | 15/12/2015             | 3235356      | 15817789.9 |        |
| 3235537 | Nissha Co., Ltd.<br>BioSerenTach Co., Ltd.                        | 14/12/2015             | 3235537      | 15869935.5 |        |
| 3235882 | G-Cover De México, S.A. De C.V.                                   | 16/12/2014             | 3235882      | 14908507.8 |        |
| 3236094 | General Electric Company  | 10/04/2017             | 3236094      | 17165705.9 |        |
| 3236311 | Guilin Feiyu Technology Corporation<br>Ltd.                       | 02/06/2016             | 3236311      | 16020213.1 |        |
| 3236472 | Joint Stock Company<br>"Atomenergoproekt"                         | 16/11/2015             | 3236472      | 15870434.6 |        |
| 3236672 | Oticon A/S  | 31/03/2017             | 3236672      | 17164221.8 |        |
| 3236739 | CNH Industrial Belgium nv   | 22/12/2015             | 3236739      | 15848127.5 |        |
| 3237043 | Novo Nordisk A/S  | 17/12/2015             | 3237043      | 15810679.9 |        |
| 3237170 | Colgate-Palmolive Company   | 27/01/2016             | 3237170      | 16703690.4 |        |
| 3237395 | BASF SE   | 21/12/2015             | 3237395      | 15816779.1 |        |
| 3237871 | Wärtsilä Finland Oy   | 22/12/2014             | 3237871      | 14824864.4 |        |
| 3238210 | Reza, Yves, Jean-Paul, Guy  | 23/12/2015             | 3238210      | 15832686.8 | French |
| 3238323 | Energous Corporation  | 22/12/2015             | 3238323      | 15874273.4 |        |

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| 3238351 | LEONARDO MW LTD                                    | 23/12/2015 | 3238351 | 15821081.5 |        |
| 3238362 | Motorola Mobility LLC                              | 07/01/2016 | 3238362 | 16704287.8 |        |
| 3238618 | Kyocera Corporation                                | 09/12/2015 | 3238618 | 15872184.5 |        |
| 3238632 | Olympus Corporation                                | 07/10/2015 | 3238632 | 15872418.7 |        |
| 3238679 | The Procter & Gamble Company                       | 29/04/2016 | 3238679 | 16167640.8 |        |
| 3238786 | Clariant International Ltd                         | 25/06/2014 | 3238786 | 17169355.9 | German |
| 3238860 | General Electric Company                           | 27/04/2017 | 3238860 | 17168426.9 |        |
| 3238949 | Tombow Pencil Co., Ltd.                            | 25/06/2015 | 3238949 | 15872335.3 |        |
| 3238996 | Kabushiki Kaisha Tokai Rika Denki<br>Seisakusho    | 16/12/2015 | 3238996 | 15872867.5 |        |
| 3238998 | Kabushiki Kaisha Tokai Rika Denki<br>Seisakusho    | 16/12/2015 | 3238998 | 15872869.1 |        |
| 3239232 | Mitsubishi Chemical Corporation                    | 25/12/2015 | 3239232 | 15873294.1 |        |
| 3239255 | Kao Corporation                                    | 16/12/2015 | 3239255 | 15872863.4 |        |
| 3239347 | Posco  | 24/12/2015 | 3239347 | 15873690.0 |        |
| 3239352 | Nippon Steel Corporation                           | 21/12/2015 | 3239352 | 15872972.3 |        |
| 3239357 | CITIZEN WATCH CO., LTD.                            | 17/12/2015 | 3239357 | 15872898.0 |        |
| 3239780 | Kyocera Document Solutions Inc.                    | 10/11/2015 | 3239780 | 15872501.0 |        |
| 3240255 | LSIS Co., Ltd.                                     | 16/12/2016 | 3240255 | 16204745.0 |        |
| 3240922 | Saint-Gobain Isover                                | 21/12/2015 | 3240922 | 15830820.5 | French |
| 3240996 | Murata Manufacturing Co., Ltd.                     | 23/12/2015 | 3240996 | 15823807.1 |        |
| 3241019 | Robert Bosch GmbH                                  | 28/12/2015 | 3241019 | 15876104.9 |        |
| 3241566 | Miele & Cie. KG                                    | 25/04/2017 | 3241566 | 17167869.1 | German |
| 3241675 | voestalpine Stahl GmbH                             | 04/05/2016 | 3241675 | 16168453.5 | German |
| 3242081 | Superior Radiant Products Ltd.                     | 25/04/2017 | 3242081 | 17168088.7 |        |
| 3242120 | Humanetics Austria GmbH                            | 26/04/2017 | 3242120 | 17168098.6 | German |
| 3242164 | Canon Kabushiki Kaisha                             | 14/06/2013 | 3242164 | 17170760.7 |        |
| 3242199 | Gigadevice Semiconductor (Beijing)<br>Inc.         | 30/01/2015 | 3242199 | 15874628.9 |        |
| 3242602 | Koninklijke Philips N.V.                           | 04/01/2016 | 3242602 | 16700010.8 |        |
| 3243454 | Baumgart, Rainer                                   | 04/04/2017 | 3243454 | 17164693.8 | German |
| 3243625 | Sumitomo Rubber Industries, Ltd.                   | 26/04/2017 | 3243625 | 17168140.6 |        |
| 3243629 | Stefan Pfaff Werkzeug- und Formenbau<br>GmbH Co KG | 10/09/2015 | 3243629 | 17174812.2 | German |
| 3243665 | Riso Kagaku Corporation                            | 09/03/2016 | 3243665 | 17178072.9 |        |
| 3244438 | Hitachi Power Solutions Co., Ltd.                  | 12/05/2017 | 3244438 | 17170767.2 |        |

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| 3244470 | Zeon Corporation<br>TOYOTA JIDOSHA KABUSHIKI<br>KAISHA   | 18/12/2015             | 3244470      | 15877010.7 |        |
| 3244720 | Husqvarna AB   | 12/01/2015             | 3244720      | 15878190.6 |        |
| 3244933 | Scan Unic ApS  | 15/01/2016             | 3244933      | 16703050.1 |        |
| 3244997 | Shell Internationale Research<br>Maatschappij B.V.   | 14/01/2016             | 3244997      | 16700588.3 |        |
| 3245131 | Jabe Beheer B.v.   | 12/01/2016             | 3245131      | 16700872.1 |        |
| 3245178 | Ecole Superieure de Chimie Physique<br>Electronique de Lyon<br>TOTAL RAFFINAGE CHIMIE<br>Centre National de la Recherche<br>Scientifique<br>Université Claude Bernard Lyon I | 11/01/2016             | 3245178      | 16700277.3 |        |
| 3245394 | Wärtsilä Finland Oy  | 08/12/2014             | 3245394      | 14821229.3 |        |
| 3245902 | Okamura Corporation  | 05/01/2016             | 3245902      | 16737242.4 |        |
| 3245906 | Gebr. Willach GmbH   | 08/05/2015             | 3245906      | 17181230.8 | German |
| 3245972 | Biosense Webster (Israel) Ltd.   | 16/05/2017             | 3245972      | 17171315.9 |        |
| 3246186 | Levi, Avraham Y.   | 19/05/2017             | 3246186      | 17275071.3 |        |
| 3246191 | Rapid Technic AG   | 18/05/2016             | 3246191      | 16405007.2 | German |
| 3246228 | VOLKSWAGEN<br>AKTIENGESELLSCHAFT<br>Audi AG  | 10/05/2017             | 3246228      | 17170384.6 | German |
| 3246310 | Shandong Nhu Amino Acid Co., Ltd.<br>Zhejiang University<br>Zhejiang Nhu Co., Ltd.   | 23/12/2015             | 3246310      | 15881855.9 |        |
| 3246370 | Evonik Röhm GmbH   | 10/05/2017             | 3246370      | 17170341.6 | German |
| 3246552 | Toyota Jidosha Kabushiki Kaisha  | 04/05/2017             | 3246552      | 17169555.4 |        |
| 3246928 | Ls Mtron Ltd.  | 14/01/2016             | 3246928      | 16737567.4 |        |
| 3246946 | Seiko Epson Corporation  | 17/05/2017             | 3246946      | 17171601.2 |        |
| 3247327 | Bayer Oy   | 20/01/2016             | 3247327      | 16701276.4 |        |
| 3247354 | Merck Sharp & Dohme Corp.  | 15/01/2016             | 3247354      | 16740526.5 |        |
| 3247546 | Synventive Molding Solutions, Inc.   | 16/02/2016             | 3247546      | 16713646.4 |        |
| 3247850 | Plinthit ApS   | 12/01/2016             | 3247850      | 16700682.4 |        |
| 3248219 | Silicon Storage Technology Inc.  | 19/01/2016             | 3248219      | 16702475.1 |        |
| 3248978 | Concert Pharmaceuticals Inc.   | 18/09/2009             | 3248978      | 17179704.6 |        |
| 3249295 | Taiyo Nippon Sanso Corporation   | 10/09/2015             | 3249295      | 15878856.2 |        |
| 3249986 | Huawei Technologies Co., Ltd.  | 13/02/2015             | 3249986      | 15881567.0 |        |



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| 3250275 | W.O.M. World of Medicine GmbH  | 27/01/2016 | 3250275 | 16709964.7 | German |
| 3250299 | In&Motion  | 28/01/2016 | 3250299 | 16713512.8 | French |
| 3250381 | Illinois Tool Works Inc.   | 26/01/2016 | 3250381 | 16705366.9 |        |
| 3251026 | Dropbox, Inc.  | 03/10/2015 | 3251026 | 15778056.0 |        |
| 3251036 | Hewlett-Packard Development<br>Company, L.P.                         | 30/01/2015 | 3251036 | 15706383.5 |        |
| 3251702 | Lakehead University Economic<br>Development and Innovation Office    | 02/06/2017 | 3251702 | 17174204.2 |        |
| 3251762 | Primetals Technologies Austria GmbH                                  | 02/06/2016 | 3251762 | 16172663.3 | German |
| 3251788 | VOLLMER WERKE Maschinenfabrik<br>GmbH                                | 01/06/2017 | 3251788 | 17174067.3 | German |
| 3251846 | Vinnovation Holding B.V.   | 30/05/2016 | 3251846 | 16020201.6 |        |
| 3251887 | Nissan Motor Co., Ltd.   | 26/01/2015 | 3251887 | 15879875.1 |        |
| 3251889 | Volvo Car Corporation  | 03/06/2016 | 3251889 | 16172813.4 |        |
| 3252003 | STILL GmbH   | 02/06/2017 | 3252003 | 17174237.2 | German |
| 3252178 | Sumitomo Metal Mining Co., Ltd.                                      | 01/12/2015 | 3252178 | 15883358.2 |        |
| 3252229 | Papierfabrik August Koehler SE                                       | 31/05/2016 | 3252229 | 16172231.9 | German |
| 3252395 | Daikin Industries, Ltd.  | 17/12/2015 | 3252395 | 15879835.5 |        |
| 3252401 | Daikin Industries, Ltd.  | 21/01/2016 | 3252401 | 16743227.7 |        |
| 3252424 | GuS Periscopes GmbH & Co. KG   | 15/03/2017 | 3252424 | 17000427.9 | German |
| 3252466 | Kaken Test Center  | 29/01/2015 | 3252466 | 15879958.5 |        |
| 3252859 | COMMISSARIAT À L'ÉNERGIE<br>ATOMIQUE ET AUX ÉNERGIES<br>ALTERNATIVES | 24/05/2017 | 3252859 | 17172874.4 | French |
| 3252878 | SOURIAU  | 02/06/2017 | 3252878 | 17174194.5 | French |
| 3252916 | Samsung Electronics Co., Ltd.  | 31/05/2017 | 3252916 | 17173794.3 |        |
| 3253007 | Huawei Technologies Co., Ltd.  | 03/03/2016 | 3253007 | 16761073.2 |        |
| 3253017 | LG Electronics Inc.  | 01/02/2008 | 3253017 | 17180419.8 |        |
| 3253465 | Du Plessies, Shalom Family Trust                                     | 05/02/2016 | 3253465 | 16736986.7 |        |
| 3253861 | Maco Pharma  | 02/02/2016 | 3253861 | 16705048.3 | French |
| 3254105 | Metabolon, Inc.  | 04/02/2016 | 3254105 | 16715645.4 |        |
| 3254429 | Intel Corporation  | 29/12/2015 | 3254429 | 15881412.9 |        |
| 3254553 | Kverneland Group Kerteminde AS                                       | 08/06/2016 | 3254553 | 16173506.3 | German |
| 3254602 | LG Electronics Inc.  | 08/06/2017 | 3254602 | 17174948.4 |        |
| 3254754 | Vereinigte Füllkörper-Fabriken GmbH<br>& Co. KG                      | 31/05/2017 | 3254754 | 17173612.7 | German |
| 3254827 | Xerox Corporation  | 01/06/2017 | 3254827 | 17174119.2 |        |

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| 3254865 | Giesecke+Devrient Currency<br>Technology GmbH             | 02/06/2017             | 3254865      | 17000941.9 | German |  |
| 3254899 | Kabushiki Kaisha Tokai Rika Denki<br>Seisakusho           | 07/06/2017             | 3254899      | 17174670.4 |        |  |
| 3254934 | Komatsu Ltd.  | 26/10/2016             | 3254934      | 16859841.5 |        |  |
| 3255007 | KONE Corporation  | 07/06/2016             | 3255007      | 16173342.3 |        |  |
| 3255188 | Borealis AG   | 06/06/2016             | 3255188      | 16173182.3 |        |  |
| 3255204 | BSH Hausgeräte GmbH                                       | 08/06/2017             | 3255204      | 17175016.9 | German |  |
| 3255205 | Schiestl, Angelo  | 09/06/2016             | 3255205      | 16173652.5 | German |  |
| 3255291 | Oiles Corporation   | 13/01/2016             | 3255291      | 16746378.5 |        |  |
| 3255449 | HUAWEI TECHNOLOGIES CO.,<br>LTD.                          | 29/05/2015             | 3255449      | 15893604.7 |        |  |
| 3255662 | Shin-Etsu Chemical Co., Ltd.                              | 02/06/2017             | 3255662      | 17174227.3 |        |  |
| 3255745 | ABB Schweiz AG  | 07/06/2016             | 3255745      | 16173387.8 |        |  |
| 3255851 | NXP B.V.  | 08/06/2016             | 3255851      | 16173522.0 |        |  |
| 3255931 | NXP B.V.  | 07/06/2016             | 3255931      | 16305665.8 |        |  |
| 3255966 | WAGO Verwaltungsgesellschaft mbH                          | 01/06/2017             | 3255966      | 17173993.1 | German |  |
| 3256194 | Sanofi-Aventis Deutschland GmbH                           | 10/02/2016             | 3256194      | 16703557.5 |        |  |
| 3256628 | Lindauer Dornier Gesellschaft mit<br>beschränkter Haftung | 11/02/2016             | 3256628      | 16703979.1 | German |  |
| 3256740 | Baruffaldi S.p.A.   | 10/02/2016             | 3256740      | 16708362.5 |        |  |
| 3257717 | ALSTOM Transport Technologies                             | 14/06/2017             | 3257717      | 17176047.3 | French |  |
| 3257729 | Aptiv Technologies Limited                                | 13/06/2017             | 3257729      | 17175774.3 |        |  |
| 3257789 | Plastic Omnium Systèmes Urbains                           | 14/06/2017             | 3257789      | 17176023.4 | French |  |
| 3257873 | LG Chem, Ltd.   | 02/02/2016             | 3257873      | 16749387.3 |        |  |
| 3257922 | Moresco Corporation                                       | 21/10/2015             | 3257922      | 15882022.5 |        |  |
| 3257996 | Electrolux Appliances Aktiebolag                          | 13/06/2016             | 3257996      | 16174134.3 |        |  |
| 3258118 | Delphi Technologies IP Limited                            | 30/06/2016             | 3258118      | 17180336.4 |        |  |
| 3258323 | CANON KABUSHIKI KAISHA                                    | 08/06/2017             | 3258323      | 17174963.3 |        |  |
| 3258473 | ABB Schweiz AG  | 13/06/2016             | 3258473      | 16174129.3 |        |  |
| 3258554 | Samsung Display Co., Ltd.                                 | 14/06/2017             | 3258554      | 17175915.2 |        |  |
| 3258656 | Deutsche Telekom AG                                       | 14/06/2016             | 3258656      | 16174411.5 |        |  |
| 3259523 | Lumus Ltd   | 10/02/2016             | 3259523      | 16710013.0 |        |  |
| 3259758 | Silicon Storage Technology, Inc.                          | 03/02/2016             | 3259758      | 16706086.2 |        |  |
| 3259803 | Aselsan Elektronik Sanayi ve Ticaret<br>Anonim Sirketi    | 04/01/2016             | 3259803      | 16706917.8 |        |  |

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| 3259829 | Cummins Power Generation IP, Inc.                    | 15/02/2016 | 3259829 | 16752863.7 |        |
| 3259856 | Huawei Technologies Co., Ltd.                        | 16/03/2015 | 3259856 | 15884981.0 |        |
| 3259981 | Phytowelt GreenTechnologies GmbH                     | 23/06/2017 | 3259981 | 17177570.3 | German |
| 3260087 | Tornier  | 24/06/2016 | 3260087 | 16305767.2 |        |
| 3260309 | Sumitomo Rubber Industries, Ltd.                     | 13/06/2017 | 3260309 | 17175811.3 |        |
| 3260402 | Wincor Nixdorf International GmbH                    | 16/05/2017 | 3260402 | 17171278.9 | German |
| 3260577 | Panasonic Intellectual Property Management Co., Ltd. | 01/06/2017 | 3260577 | 17173923.8 |        |
| 3260583 | Hergeth, Hubert                                      | 19/05/2017 | 3260583 | 17171977.6 | German |
| 3260608 | Geberit International AG                             | 25/04/2017 | 3260608 | 17167952.5 | German |
| 3260647 | Sandvik Mining and Construction Oy                   | 22/06/2016 | 3260647 | 16175645.7 |        |
| 3260731 | BeijingWest Industries Co. Ltd.                      | 19/06/2017 | 3260731 | 17001032.6 |        |
| 3260733 | Integrated Dynamics Engineering GmbH                 | 23/06/2016 | 3260733 | 16175910.5 | German |
| 3260919 | Xerox Corporation                                    | 16/06/2017 | 3260919 | 17176494.7 |        |
| 3261174 | Samsung Electronics Co., Ltd.                        | 08/05/2017 | 3261174 | 17169988.7 |        |
| 3261293 | Juniper Networks, Inc.                               | 21/06/2017 | 3261293 | 17177254.4 |        |
| 3261305 | Industrial Technology Research Institute             | 21/06/2017 | 3261305 | 17177165.2 |        |
| 3261499 | La Marzocco S.r.l.                                   | 24/02/2016 | 3261499 | 16706188.6 |        |
| 3261728 | Safewell Solutions Limited                           | 24/02/2016 | 3261728 | 16711332.3 |        |
| 3261749 | WABCO Europe BVBA                                    | 11/02/2016 | 3261749 | 16706522.6 | German |
| 3262191 | Zymo Research Corporation                            | 24/02/2016 | 3262191 | 16714078.9 |        |
| 3262402 | Dow Global Technologies LLC                          | 11/02/2016 | 3262402 | 16708526.5 |        |
| 3262515 | Hewlett Packard Enterprise Development LP            | 30/09/2015 | 3262515 | 15905603.5 |        |
| 3262911 | Great Plains Manufacturing, Inc.                     | 06/06/2012 | 3262911 | 17001291.8 |        |
| 3262988 | Wanzl Metallwarenfabrik GmbH                         | 07/06/2017 | 3262988 | 17174709.0 | German |
| 3263405 | Volvo Car Corporation                                | 27/06/2016 | 3263405 | 16176408.9 |        |
| 3263412 | Singer, Nicholas J.                                  | 28/06/2017 | 3263412 | 17178483.8 |        |
| 3263436 | Yamaha Hatsudoki Kabushiki Kaisha                    | 23/06/2017 | 3263436 | 17177644.6 |        |
| 3263494 | THEEGARTEN-PACTEC GMBH & CO. KG                      | 27/06/2017 | 3263494 | 17178144.6 | German |
| 3263592 | E. I. du Pont de Nemours and Company                 | 12/03/2014 | 3263592 | 17184990.4 |        |
| 3263669 | The Boeing Company                                   | 27/06/2017 | 3263669 | 17178227.9 |        |
| 3263759 | BSH Hausgeräte GmbH                                  | 20/06/2017 | 3263759 | 17176873.2 |        |
| 3263798 | SWISS KRONO Tec AG                                   | 29/06/2016 | 3263798 | 16176934.4 | German |
| 3263861 | Hyundam Industrial Co., Ltd.                         | 24/02/2016 | 3263861 | 16755865.9 |        |

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| 3263884 | Continental Automotive GmbH   | 30/06/2016             | 3263884      | 16177113.4 |        |
| 3263899 | Safran Aero Boosters SA   | 15/06/2017             | 3263899      | 17176171.1 | French |
| 3264149 | LG Electronics Inc.   | 27/06/2017             | 3264149      | 17178018.2 |        |
| 3264295 | Imagination Technologies Limited  | 24/06/2017             | 3264295      | 17177752.7 |        |
| 3264380 | Honeywell International Inc.  | 16/06/2017             | 3264380      | 17176465.7 |        |
| 3264382 | Sham, Wellen  | 30/06/2017             | 3264382      | 17179153.6 |        |
| 3264533 | Jean Müller GmbH Elektrotechnische<br>Fabrik                                    | 28/06/2016             | 3264533      | 16176671.2 | German |
| 3264733 | Unify Patente GmbH & Co. KG   | 29/06/2016             | 3264733      | 16176994.8 |        |
| 3264791 | Onkyo Corporation   | 16/06/2017             | 3264791      | 17176430.1 |        |
| 3264863 | Frensch GmbH  | 09/06/2017             | 3264863      | 17175189.4 | German |
| 3264926 | NIKE Innovate C.V.  | 03/03/2016             | 3264926      | 16710582.4 |        |
| 3265302 | Uniflex-Hydraulik GmbH  | 01/03/2016             | 3265302      | 16707121.6 | German |
| 3265631 | Sensormatic Electronics, LLC  | 02/03/2016             | 3265631      | 16712122.7 |        |
| 3265704 | Flühs Drehtechnik GmbH  | 08/02/2016             | 3265704      | 16707642.1 | German |
| 3265914 | ARM Limited   | 11/02/2016             | 3265914      | 16704911.3 |        |
| 3266346 | Peka-Metall AG  | 04/07/2016             | 3266346      | 16177679.4 | German |
| 3266409 | TOUT DENTAIRE   | 01/06/2017             | 3266409      | 17174002.0 | French |
| 3266543 | GEFERTEC GmbH<br>Brandenburgische Technische<br>Universität Cottbus-Senftenberg | 07/06/2017             | 3266543      | 17174810.6 | German |
| 3267510 | HOPPECKE Batterien GmbH & Co.<br>KG   | 29/06/2017             | 3267510      | 17178712.0 | German |
| 3267653 | Cisco Technology, Inc.  | 03/02/2007             | 3267653      | 17184037.4 |        |
| 3267675 | Huawei Technologies Co., Ltd.   | 31/03/2015             | 3267675      | 15886859.6 |        |
| 3267733 | Huawei Technologies Co., Ltd.   | 01/11/2012             | 3267733      | 17163472.8 |        |
| 3267930 | Global D  | 08/03/2016             | 3267930      | 16713543.3 | French |
| 3268162 | Trumpf Werkzeugmaschinen GmbH +<br>Co. KG                                       | 25/02/2016             | 3268162      | 16706202.5 | German |
| 3268251 | Jaguar Land Rover Limited   | 09/03/2016             | 3268251      | 16708691.7 |        |
| 3268301 | Translift Spacemate Ltd.  | 14/03/2016             | 3268301      | 16712973.3 |        |
| 3268967 | Qualcomm Incorporated   | 01/03/2016             | 3268967      | 16709245.1 |        |
| 3269067 | Telefonaktiebolaget LM Ericsson (publ)  | 29/10/2015             | 3269067      | 15790077.0 |        |
| 3269224 | CNH Industrial Belgium NV   | 21/06/2017             | 3269224      | 17177088.6 |        |
| 3269277 | Kuo, Chia-Shin<br>Kuo, Yu-Feng  | 13/06/2017             | 3269277      | 17175678.6 |        |

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| 3269284 | Miele & Cie. KG                                   | 28/06/2017 | 3269284 | 17178283.2 | German |
| 3269621 | Zephyros Inc.                                     | 14/11/2013 | 3269621 | 17184916.9 |        |
| 3269791 | Universal Display Corporation                     | 28/04/2010 | 3269791 | 17185754.3 |        |
| 3269975 | Senvion GmbH                                      | 17/09/2008 | 3269975 | 17185966.3 | German |
| 3270314 | Samsung Electronics Co., Ltd.                     | 27/06/2017 | 3270314 | 17178009.1 |        |
| 3270518 | Intel IP Corporation                              | 26/10/2016 | 3270518 | 16195777.4 |        |
| 3271091 | Elgressy, Elie                                    | 03/12/2015 | 3271091 | 15885307.7 |        |
| 3271572 | Franklin Empire                                   | 21/03/2016 | 3271572 | 16764106.7 |        |
| 3271802 | Google LLC  | 01/02/2016 | 3271802 | 16707282.6 |        |
| 3271975 | Sonnen GmbH                                       | 16/03/2016 | 3271975 | 16720701.8 | German |
| 3272476 | Sugino Machine Limited                            | 20/06/2017 | 3272476 | 17176885.6 |        |
| 3272631 | JCDecaux SA                                       | 18/07/2017 | 3272631 | 17181986.5 | French |
| 3272696 | Weber-Hydraulik GmbH                              | 28/06/2017 | 3272696 | 17178260.0 | German |
| 3272879 | Epicentre Technologies Corporation                | 24/10/2009 | 3272879 | 17171687.1 |        |
| 3272925 | LG Electronics Inc.                               | 17/12/2015 | 3272925 | 15886599.8 |        |
| 3272934 | BSH Hausgeräte GmbH                               | 27/06/2017 | 3272934 | 17178187.5 | German |
| 3273048 | Yamabiko Corporation                              | 01/06/2017 | 3273048 | 17174004.6 |        |
| 3273794 | Société des Produits Nestlé S.A.                  | 17/03/2016 | 3273794 | 16710496.7 |        |
| 3274260 | Hema  | 21/03/2016 | 3274260 | 16717419.2 | French |
| 3274489 | Coventya International GmbH                       | 16/03/2016 | 3274489 | 16711218.4 | German |
| 3274988 | Qualcomm Incorporated                             | 04/02/2016 | 3274988 | 16705671.2 |        |
| 3275150 | Hewlett Packard Enterprise<br>Development LP      | 28/08/2015 | 3275150 | 15903182.2 |        |
| 3275303 | Deere & Company                                   | 07/07/2017 | 3275303 | 17180260.6 |        |
| 3275769 | Teijin Limited                                    | 25/02/2016 | 3275769 | 16768277.2 |        |
| 3275772 | Velo Enterprise Co., Ltd.                         | 06/06/2017 | 3275772 | 17174491.5 |        |
| 3275815 | Rematec GmbH & Co. KG                             | 25/07/2017 | 3275815 | 17183091.2 | German |
| 3276253 | Valeo Vision                                      | 26/07/2017 | 3276253 | 17183217.3 | French |
| 3276284 | Mitsubishi Electric Corporation                   | 25/03/2016 | 3276284 | 16768924.9 |        |
| 3276349 | Ventana Medical Systems, Inc.                     | 01/11/2007 | 3276349 | 17192133.1 |        |
| 3276643 | Murata Manufacturing Co., Ltd.                    | 07/06/2017 | 3276643 | 17174707.4 |        |
| 3276764 | Kabushiki Kaisha Toshiba                          | 17/03/2016 | 3276764 | 16772348.5 |        |
| 3277372 | Cardiac Pacemakers, Inc.                          | 28/03/2016 | 3277372 | 16715709.8 |        |
| 3277521 | Compagnie Générale des<br>Etablissements Michelin | 24/03/2016 | 3277521 | 16714499.7 | French |
| 3277664 | Anthea Aromatics Private Limited                  | 04/06/2015 | 3277664 | 15731711.6 |        |
| 3277859 | Siemens Aktiengesellschaft                        | 24/03/2016 | 3277859 | 16713369.3 |        |
| 3278596 | Huawei Technologies Co. Ltd.                      | 05/06/2015 | 3278596 | 15728484.5 |        |

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| 3279152 | Doosan Heavy Industries & Construction Co., Ltd.        | 20/06/2017             | 3279152      | 17176760.1 |        |
| 3279227 | Toray Industries, Inc.                                  | 15/03/2016             | 3279227      | 16772271.9 |        |
| 3279234 | JXTG Nippon Oil & Energy Corporation                    | 28/03/2016             | 3279234      | 16772720.5 |        |
| 3279266 | Mitsubishi Gas Chemical Company, Inc.                   | 19/02/2016             | 3279266      | 16771951.7 |        |
| 3279445 | Mitsubishi Heavy Industries Engine & Turbocharger, Ltd. | 04/06/2012             | 3279445      | 17190085.5 |        |
| 3279446 | Mitsubishi Heavy Industries Engine & Turbocharger, Ltd. | 04/06/2012             | 3279446      | 17190092.1 |        |
| 3279520 | Nissan Motor Co., Ltd.                                  | 22/02/2016             | 3279520      | 16771960.8 |        |
| 3279748 | Dr. Johannes Heidenhain GmbH                            | 04/05/2017             | 3279748      | 17169479.7 | German |
| 3280178 | Huawei Technologies Co., Ltd.                           | 05/05/2015             | 3280178      | 15891068.7 |        |
| 3280534 | Retsch GmbH   | 03/04/2017             | 3280534      | 17718024.7 | German |
| 3280925 | NTN Bearing Corporation of America                      | 31/03/2016             | 3280925      | 16777077.5 |        |
| 3281357 | DivX, LLC   | 09/03/2016             | 3281357      | 16777021.3 |        |
| 3281388 | Apple Inc.  | 01/06/2016             | 3281388      | 16729158.2 |        |
| 3281944 | Universal Display Corporation                           | 15/11/2012             | 3281944      | 17184282.6 |        |
| 3282449 | Huawei Technologies Co. Ltd.                            | 02/06/2015             | 3282449      | 15893702.9 |        |
| 3282579 | MediaTek Inc.   | 07/06/2017             | 3282579      | 17174786.8 |        |
| 3282642 | Huawei Technologies Co., Ltd.                           | 01/09/2016             | 3282642      | 16847994.7 |        |
| 3282649 | New H3C Technologies Co., Ltd.                          | 06/06/2016             | 3282649      | 16802609.4 |        |
| 3282731 | Interdigital Patent Holdings, Inc.                      | 18/06/2010             | 3282731      | 17194071.1 |        |
| 3282814 | Kyocera Corporation                                     | 11/04/2016             | 3282814      | 16776724.3 |        |
| 3282928 | Koninklijke Philips N.V.                                | 12/04/2016             | 3282928      | 16719255.8 |        |
| 3283014 | 41HEMIVERSE AG  | 15/04/2015             | 3283014      | 15719405.1 |        |
| 3283246 | Nemak, S.A.B. de C.V.                                   | 02/02/2016             | 3283246      | 16704474.2 | German |
| 3283310 | CNH Industrial Italia S.P.A.                            | 13/04/2016             | 3283310      | 16717333.5 |        |
| 3283494 | AlzChem Trostberg GmbH                                  | 14/04/2016             | 3283494      | 16718292.2 | German |
| 3283950 | Apple Inc.  | 27/05/2016             | 3283950      | 16729146.7 |        |
| 3284622 | Panasonic Intellectual Property Management Co., Ltd.    | 25/03/2016             | 3284622      | 16779737.2 |        |
| 3284647 | RAIpin AG   | 19/08/2016             | 3284647      | 16184835.3 | German |
| 3285062 | Fluidigm Corporation                                    | 28/02/2013             | 3285062      | 17180284.6 |        |
| 3285168 | Huawei Technologies Co., Ltd.                           | 30/06/2016             | 3285168      | 16858717.8 |        |
| 3285314 | LG Chem, Ltd.   | 24/10/2016             | 3285314      | 16879147.3 |        |
| 3285318 | Panasonic Corporation                                   | 07/04/2016             | 3285318      | 16779753.9 |        |

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|---------|---|------------|---------|------------|--------|
| 3285693 | Otto Bock Healthcare Products GmbH                      | 15/04/2016 | 3285693 | 16716598.4 | German |
| 3285918 | BASF SE   | 01/03/2016 | 3285918 | 16707138.0 |        |
| 3286043 | TRW Automotive GmbH                                     | 07/04/2016 | 3286043 | 16719010.7 | German |
| 3286089 | Tetra Laval Holdings & Finance S.A.                     | 20/04/2016 | 3286089 | 16717918.3 |        |
| 3286091 | Tetra Laval Holdings & Finance S.A.                     | 20/04/2016 | 3286091 | 16720068.2 |        |
| 3286101 | Greif International Holding B.V.                        | 19/04/2016 | 3286101 | 16717373.1 |        |
| 3286795 | ExxonMobil Research and Engineering<br>Company          | 06/04/2016 | 3286795 | 16716790.7 |        |
| 3287083 | EMD Kft.  | 24/08/2016 | 3287083 | 16185505.1 |        |
| 3287151 | LifeCell Corporation                                    | 04/06/2009 | 3287151 | 17194586.8 |        |
| 3287301 | Bridgestone Corporation                                 | 19/04/2016 | 3287301 | 16783160.1 |        |
| 3287469 | CJ Cheiljedang Corporation                              | 11/03/2016 | 3287469 | 16783326.8 |        |
| 3287754 | Panasonic Intellectual Property<br>Management Co., Ltd. | 09/03/2016 | 3287754 | 16782753.4 |        |
| 3287834 | Panasonic Intellectual Property<br>Management Co., Ltd. | 24/06/2016 | 3287834 | 16817455.5 |        |
| 3287850 | Kyocera Document Solutions Inc.                         | 01/03/2017 | 3287850 | 17158623.3 |        |
| 3287922 | Guangdong Oppo Mobile<br>Telecommunications Corp., Ltd  | 29/06/2016 | 3287922 | 16894080.7 |        |
| 3288030 | FUJITSU LIMITED   | 16/08/2017 | 3288030 | 17186408.5 |        |
| 3288055 | Getac Technology Corporation                            | 24/08/2016 | 3288055 | 16185481.5 |        |
| 3288130 | Hauff-Technik GmbH & Co. KG                             | 23/08/2017 | 3288130 | 17020380.6 | German |
| 3288650 | Novomatic AG  | 28/04/2016 | 3288650 | 16734442.3 |        |
| 3288782 | Compagnie Générale des<br>Etablissements Michelin       | 27/04/2016 | 3288782 | 16718713.7 | French |
| 3288787 | Vibracoustic GmbH                                       | 29/06/2016 | 3288787 | 16733078.6 | German |
| 3289424 | Samsung Electronics Co., Ltd.                           | 02/05/2016 | 3289424 | 16786821.5 |        |
| 3290001 | M-System Co. Ltd.                                       | 03/06/2016 | 3290001 | 16880188.4 |        |
| 3290131 | Novelis, Inc.   | 14/03/2013 | 3290131 | 17190498.0 |        |
| 3290179 | Erlenbach, Nico<br>Thorsten, Michel                     | 21/08/2017 | 3290179 | 17187113.0 | German |
| 3290409 | Symrise AG  | 02/09/2016 | 3290409 | 16186941.7 | German |
| 3290419 | GUANGDONG ZHONGSHENG<br>PHARMACEUTICAL CO., LTD.        | 20/04/2016 | 3290419 | 16785869.5 |        |
| 3290583 | Duro Felguera Rail, S.A.U.<br>Somtech Technologies, S.L | 02/09/2016 | 3290583 | 16382411.3 |        |
| 3290753 | PSA Automobiles SA                                      | 22/08/2017 | 3290753 | 17187165.0 | French |
| 3290779 | PSA Automobiles SA                                      | 23/08/2017 | 3290779 | 17187584.2 | French |

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| 3290881 | Heraeus Electro-Nite International N.V.  | 01/09/2016             | 3290881      | 16186834.4 |        |
| 3291176 | The Boeing Company   | 23/06/2017             | 3291176      | 17177600.8 |        |
| 3291795 | CSIR   | 04/05/2016             | 3291795      | 16721502.9 |        |
| 3291811 | Bayer Pharma Aktiengesellschaft  | 02/05/2016             | 3291811      | 16719430.7 |        |
| 3292032 | PSA AUTOMOBILES S.A.   | 18/04/2016             | 3292032      | 16723419.4 | French |
| 3292051 | IMV Innovation Marketing und<br>Vertriebs GmbH                                 | 03/05/2016             | 3292051      | 16722121.7 | German |
| 3292559 | Ecole Polytechnique Fédérale de<br>Lausanne (EPFL)                             | 03/05/2016             | 3292559      | 16721773.6 |        |
| 3292636 | Huawei Technologies Co., Ltd.  | 29/05/2015             | 3292636      | 15726132.2 |        |
| 3292814 | Medicaltech Srl  | 08/09/2017             | 3292814      | 17190067.3 |        |
| 3293138 | Otis Elevator Company  | 08/09/2016             | 3293138      | 16306123.7 |        |
| 3293207 | Thai Polyethylene Co., Ltd.<br>SCG Chemicals Co., Ltd.                         | 12/09/2016             | 3293207      | 16188322.8 |        |
| 3293345 | Ståsäker AB  | 07/09/2017             | 3293345      | 17189727.5 |        |
| 3293764 | Samsung Display Co., Ltd.  | 12/09/2017             | 3293764      | 17190682.9 |        |
| 3293882 | The Boeing Company<br>HRL Laboratories, LLC                                    | 07/06/2017             | 3293882      | 17174816.3 |        |
| 3294083 | B.M.A. Buizza Mazzei Agency S.r.l.   | 13/05/2016             | 3294083      | 16733686.6 |        |
| 3294111 | Fluoptics<br>Commissariat à l'énergie atomique et<br>aux énergies alternatives | 11/05/2016             | 3294111      | 16729959.3 | French |
| 3294203 | Koninklijke Philips N.V.   | 11/05/2016             | 3294203      | 16724120.7 |        |
| 3294378 | Sanofi-Aventis Deutschland GmbH  | 06/05/2016             | 3294378      | 16722614.1 |        |
| 3294790 | BASF SE  | 06/05/2016             | 3294790      | 16730059.9 |        |
| 3294823 | Henkel IP & Holding GmbH   | 04/04/2016             | 3294823      | 16713491.5 |        |
| 3294825 | ACTEGA North America<br>Technologies, Inc.                                     | 12/05/2016             | 3294825      | 16725693.2 |        |
| 3295086 | Samsung Electronics Co., Ltd.  | 15/06/2016             | 3295086      | 16811914.7 |        |
| 3295104 | Bühler AG  | 09/05/2016             | 3295104      | 16722635.6 | German |
| 3295629 | Huawei Technologies Co., Ltd.  | 07/06/2016             | 3295629      | 16806816.1 |        |
| 3295768 | Mahle International GmbH   | 27/04/2016             | 3295768      | 16718714.5 | German |
| 3295812 | British American Tobacco<br>(Investments) Limited                              | 20/12/2012             | 3295812      | 17186880.5 |        |
| 3295957 | Kirin-Amgen, Inc.  | 12/01/2011             | 3295957      | 17195530.5 |        |
| 3295971 | KCI Licensing, Inc.  | 09/11/2011             | 3295971      | 17194474.7 |        |
| 3296059 | Trumpf Werkzeugmaschinen GmbH +<br>Co. KG                                      | 15/09/2017             | 3296059      | 17191231.4 | German |



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|---------|---|------------|---------|------------|--------|
| 3296070 | E. Braun GmbH Entwicklung und Vertrieb von technischem Zubehör  | 25/08/2017 | 3296070 | 17187877.0 | German |
| 3296088 | Afros S.p.A.  | 14/09/2017 | 3296088 | 17191117.5 |        |
| 3296300 | Xavier University   | 05/03/2013 | 3296300 | 17182839.5 |        |
| 3296309 | Universiteit Gent   | 20/06/2013 | 3296309 | 17178121.4 |        |
| 3296464 | Damkjær, René   | 14/09/2017 | 3296464 | 17191146.4 |        |
| 3296543 | United Technologies Corporation   | 19/09/2017 | 3296543 | 17191941.8 |        |
| 3296909 | KYOCERA Document Solutions Inc.   | 05/09/2017 | 3296909 | 17189316.7 |        |
| 3297068 | NISSAN MOTOR CO., LTD.  | 09/05/2014 | 3297068 | 17001703.2 |        |
| 3297365 | Huawei Technologies Co., Ltd.   | 07/06/2016 | 3297365 | 16806797.3 |        |
| 3297574 | Feusi, Marco  | 20/05/2016 | 3297574 | 16728844.8 | German |
| 3297841 | Agfa-Gevaert  | 17/05/2016 | 3297841 | 16725422.6 |        |
| 3298066 | Université d'Avignon et des Pays de Vaucluse<br>Centre National de la Recherche Scientifique          | 19/05/2016 | 3298066 | 16729065.9 |        |
| 3298605 | CONTA-CLIP Verbindungstechnik GmbH  | 19/05/2016 | 3298605 | 16727934.8 | German |
| 3298871 | CLAAS Tractor S.A.S.  | 27/04/2017 | 3298871 | 17168322.0 | German |
| 3298891 | Camro A/S   | 22/09/2016 | 3298891 | 16190038.6 |        |
| 3299185 | Capteur Technologie Electronique et Systemes SA   | 26/09/2017 | 3299185 | 17193242.9 | French |
| 3299451 | Cytori Therapeutics, Inc.   | 17/09/2014 | 3299451 | 17172872.8 |        |
| 3299508 | Samsung Electronics Co., Ltd.   | 08/02/2017 | 3299508 | 17753410.4 |        |
| 3299649 | NTN-SNR Roulements  | 25/09/2017 | 3299649 | 17193011.8 | French |
| 3299875 | Samsung Display Co., Ltd.   | 20/09/2017 | 3299875 | 17192191.9 |        |
| 3299884 | Institució Catalana De Recerca I Estudis Avançats (ICREA)<br>Fundació Institut de Ciències Fotòniques | 21/09/2016 | 3299884 | 16382440.2 |        |
| 3300174 | TE Connectivity Industrial GmbH   | 24/03/2016 | 3300174 | 17195187.4 | German |
| 3300434 | Huawei Technologies Co., Ltd.   | 11/06/2015 | 3300434 | 15894636.8 |        |
| 3300581 | CLAAS Selbstfahrende Erntemaschinen GmbH  | 26/06/2017 | 3300581 | 17001083.9 | German |
| 3300688 | Braun GmbH  | 28/09/2016 | 3300688 | 16191027.8 |        |
| 3300689 | Braun GmbH  | 28/09/2016 | 3300689 | 16191028.6 |        |
| 3300776 | Sumitomo Rubber Industries, Ltd.  | 28/09/2017 | 3300776 | 17193743.6 |        |

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| 3301006 | Yamaha Hatsudoki Kabushiki Kaisha<br>(Yamaha Motor Co., Ltd.)   | 07/06/2017             | 3301006      | 17174733.0 |        |
| 3301017 | Airbus Operations GmbH  | 30/09/2016             | 3301017      | 16191862.8 |        |
| 3301319 | HONDA MOTOR CO., LTD.   | 29/09/2017             | 3301319      | 17194213.9 |        |
| 3301364 | Siemens Aktiengesellschaft  | 07/06/2017             | 3301364      | 17174747.0 | German |
| 3301496 | Christie Digital Systems USA, Inc.  | 05/06/2017             | 3301496      | 17174414.7 |        |
| 3301683 | Atomic Energy of Canada Limited/<br>Énergie Atomique du Canada Limitée  | 13/06/2013             | 3301683      | 17198778.7 |        |
| 3301849 | Optis Cellular Technology, LLC  | 11/09/2008             | 3301849      | 17199232.4 |        |
| 3302161 | Autoliv Development AB  | 08/06/2016             | 3302161      | 16727521.3 | German |
| 3302211 | Arçelik Anonim Sirketi  | 04/06/2015             | 3302211      | 15727641.1 |        |
| 3302358 | Corneat Vision Ltd  | 08/06/2016             | 3302358      | 16734047.0 |        |
| 3302719 | Göbel, Gerd   | 01/06/2016             | 3302719      | 16731026.7 | German |
| 3302720 | UTC Fire & Security Corporation   | 25/05/2016             | 3302720      | 16727914.0 |        |
| 3302755 | 3nine AB<br>REINZ-Dichtungs-GmbH  | 25/05/2016             | 3302755      | 16728636.8 |        |
| 3302911 | Sidel Participations  | 07/06/2016             | 3302911      | 16734422.5 | French |
| 3303005 | Generation Concept Stiftung   | 01/06/2016             | 3303005      | 16726317.7 | German |
| 3303059 | TREVES Products, Services &<br>Innovation   | 01/06/2016             | 3303059      | 16731239.6 | French |
| 3303065 | Lydall, Inc.  | 01/06/2016             | 3303065      | 16732046.4 |        |
| 3303208 | JPM Beheer B.V.   | 06/06/2016             | 3303208      | 16751361.3 |        |
| 3303222 | Outotec (Finland) Oy  | 02/06/2016             | 3303222      | 16732456.5 |        |
| 3303348 | Theravance Biopharma R&D IP, LLC  | 26/05/2016             | 3303348      | 16728495.9 |        |
| 3303369 | ENEA-Agenzia Nazionale per le Nuove<br>Tecnologie, l'Energia e lo Sviluppo<br>Economico Sostenibile<br>Università Degli Studi Di Verona | 03/06/2016             | 3303369      | 16747629.0 |        |
| 3303572 | Henkel AG & Co. KGaA  | 02/06/2016             | 3303572      | 16726571.9 | German |
| 3303604 | Medtronic MiniMed, Inc.   | 01/06/2016             | 3303604      | 16734070.2 |        |
| 3303743 | Illinois Tool Works Inc.  | 06/06/2016             | 3303743      | 16729473.5 |        |
| 3303783 | RENAULT s.a.s.  | 08/06/2016             | 3303783      | 16734428.2 | French |
| 3303793 | Scania CV AB  | 27/05/2016             | 3303793      | 16730039.1 |        |
| 3303858 | A. Raymond et Cie   | 19/05/2016             | 3303858      | 16726043.9 | German |
| 3304153 | Finisar Sweden AB   | 27/05/2016             | 3304153      | 16725532.2 |        |
| 3304193 | Karlsruher Institut für Technologie   | 02/06/2016             | 3304193      | 16727465.3 |        |
| 3304311 | NetApp, Inc.  | 25/04/2016             | 3304311      | 16721031.9 |        |
| 3304409 | Rietsch, Jean-Marc, Marie-Joseph  | 08/06/2016             | 3304409      | 16733205.5 | French |

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| 3304482 | Microsoft Technology Licensing, LLC                          | 03/06/2016 | 3304482 | 16729168.1 |        |
| 3304720 | Microchip Technology Incorporated                            | 01/06/2016 | 3304720 | 16729715.9 |        |
| 3304972 | Telefonaktiebolaget LM Ericsson (publ)                       | 02/06/2015 | 3304972 | 15728466.2 |        |
| 3304973 | Telefonaktiebolaget LM Ericsson (publ)                       | 02/06/2015 | 3304973 | 15725649.6 |        |
| 3305546 | Bridgestone Corporation                                      | 02/06/2016 | 3305546 | 16802826.4 |        |
| 3305561 | Bridgestone Corporation                                      | 02/06/2016 | 3305561 | 16802827.2 |        |
| 3305620 | Nissan Motor Co., Ltd.                                       | 03/06/2015 | 3305620 | 15894190.6 |        |
| 3305697 | Mitsubishi Heavy Industries Machinery Systems, Ltd.          | 25/02/2016 | 3305697 | 16843969.3 |        |
| 3305954 | Sejong TF Inc.   | 28/09/2017 | 3305954 | 17193712.1 |        |
| 3307098 | Philip Morris Products S.A.                                  | 09/06/2016 | 3307098 | 16730007.8 |        |
| 3307117 | Unistraw Holdings Pte. Ltd.                                  | 09/06/2016 | 3307117 | 16731054.9 |        |
| 3307123 | Fritsch GmbH   | 10/06/2016 | 3307123 | 16732968.9 | German |
| 3307396 | Bornack GmbH & Co. KG  | 10/06/2016 | 3307396 | 16728680.6 | German |
| 3307478 | Watch Out SA   | 09/06/2016 | 3307478 | 16733206.3 | French |
| 3307541 | Ricoh Company, Ltd.  | 03/06/2016 | 3307541 | 16807100.9 |        |
| 3307590 | Bosch Car Multimedia Portugal, S.A.<br>Universidade do Minho | 22/06/2015 | 3307590 | 15742084.5 |        |
| 3307608 | Renault S.A.S.   | 03/06/2016 | 3307608 | 16738480.9 | French |
| 3307629 | I.M.A. Industria Macchine Automatiche S.p.A.                 | 07/06/2016 | 3307629 | 16730292.6 |        |
| 3307647 | K-fee System GmbH  | 09/06/2016 | 3307647 | 16728307.6 | German |
| 3307995 | Jaguar Land Rover Limited                                    | 08/06/2016 | 3307995 | 16727524.7 |        |
| 3308024 | NETZSCH Pumpen & Systeme GmbH                                | 09/06/2016 | 3308024 | 16739396.6 | German |
| 3308046 | KNORR-BREMSE Systeme für Nutzfahrzeuge GmbH                  | 02/06/2016 | 3308046 | 16727628.6 | German |
| 3308071 | Signify Holding B.V.   | 08/06/2016 | 3308071 | 16730757.8 |        |
| 3308111 | Minebea Mitsumi Inc.   | 08/06/2016 | 3308111 | 16734050.4 |        |
| 3308437 | ABB Schweiz AG   | 12/06/2015 | 3308437 | 15730105.2 |        |
| 3308449 | Wobben Properties GmbH                                       | 03/06/2016 | 3308449 | 16726603.0 | German |
| 3308587 | Telefonaktiebolaget LM Ericsson (publ)                       | 11/06/2015 | 3308587 | 15727996.9 |        |
| 3308677 | Shanghai Daafu Baby Carrier Co., Ltd.                        | 24/06/2015 | 3308677 | 15895282.0 |        |
| 3308779 | Teikyo University  | 10/06/2016 | 3308779 | 16807137.1 |        |
| 3308926 | Bridgestone Corporation                                      | 07/06/2016 | 3308926 | 16807480.5 |        |
| 3308977 | Bridgestone Corporation                                      | 03/06/2016 | 3308977 | 16811479.1 |        |
| 3308980 | Bridgestone Corporation                                      | 27/04/2016 | 3308980 | 16807226.2 |        |
| 3309020 | L2O  | 10/10/2017 | 3309020 | 17306358.7 | French |
| 3309079 | Bell Helicopter Textron Inc.                                 | 22/12/2010 | 3309079 | 17191651.3 |        |

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| 3309180 | ASAHI KASEI KABUSHIKI KAISHA  | 07/06/2016             | 3309180 | 16807486.2   |        |
| 3309190 | Mitsubishi Chemical Corporation   | 09/06/2016             | 3309190 | 16807563.8   |        |
| 3309380 | Airbus Operations S.A.S.<br>Airbus (S.A.S.)                             | 15/09/2017             | 3309380 | 17191393.2   | French |
| 3309533 | RENAULT s.a.s.  | 10/10/2017             | 3309533 | 17195768.1   | French |
| 3309606 | Samsung Display Co., Ltd.   | 12/10/2017             | 3309606 | 17196222.8   |        |
| 3309922 | Panasonic Intellectual Property<br>Management Co., Ltd.                 | 01/06/2016             | 3309922 | 16807090.2   |        |
| 3309984 | Panasonic Intellectual Property<br>Corporation of America               | 01/06/2016             | 3309984 | 16807334.4   |        |
| 3310000 | CALLSTATS I/O Oy  | 28/08/2017             | 3310000 | 17188130.3   |        |
| 3310032 | Konica Minolta, Inc.  | 29/09/2017             | 3310032 | 17193980.4   |        |
| 3310072 | Sennheiser Communications A/S   | 21/09/2017             | 3310072 | 17192285.9   |        |
| 3310224 | Société des Produits Nestlé S.A.  | 15/06/2016             | 3310224 | 16728975.0   |        |
| 3310231 | Essity Hygiene and Health Aktiebolag                                    | 02/06/2016             | 3310231 | 16726863.0   |        |
| 3310251 | D-Heart S.r.l.  | 25/05/2016             | 3310251 | 16734740.0   |        |
| 3310320 | C-Major Ltd.  | 07/06/2016             | 3310320 | 16729618.5   |        |
| 3310527 | Lebronze Alloys   | 10/02/2016             | 3310527 | 16707189.3   | French |
| 3310604 | Renault S.A.S.  | 03/06/2016             | 3310604 | 16739199.4   | French |
| 3310629 | KNORR-BREMSE Systeme für<br>Nutzfahrzeuge GmbH                          | 02/06/2016             | 3310629 | 16730683.6   | German |
| 3310651 | BAE Systems PLC   | 17/06/2016             | 3310651 | 16741106.5   |        |
| 3310656 | ELISTAIR  | 13/06/2016             | 3310656 | 16733699.9   | French |
| 3310693 | K-fee System GmbH   | 09/06/2016             | 3310693 | 16728312.6   | German |
| 3310701 | Inventio AG   | 07/06/2016             | 3310701 | 16728290.4   | German |
| 3310889 | Unilever PLC  | 31/05/2016             | 3310889 | 16725870.6   |        |
| 3310965 | Liaver GmbH & Co. KG  | 20/06/2016             | 3310965 | 16733359.0   | German |
| 3310997 | ConocoPhillips Company  | 17/06/2016             | 3310997 | 16812555.7   |        |
| 3311116 | BIA   | 17/06/2016             | 3311116 | 16733020.8   | French |
| 3311186 | Sensormatic Electronics, LLC  | 16/06/2016             | 3311186 | 16734100.7   |        |
| 3311333 | Solystic  | 15/06/2016             | 3311333 | 16739218.2   | French |
| 3311369 | Tarkett B.V.  | 08/06/2016             | 3311369 | 16744903.2   |        |
| 3311440 | Fraunhofer-Gesellschaft zur Förderung<br>der angewandten Forschung e.V. | 17/06/2016             | 3311440 | 16729589.8   | German |
| 3311459 | Université de Luxembourg  | 15/06/2016             | 3311459 | 16730350.2   |        |
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| 3311501 | Andrew Wireless Systems GmbH  | 20/06/2016             | 3311501 | 16732563.8   |        |
| 3311544 | Amazon Technologies, Inc.   | 16/06/2016             | 3311544 | 16735764.9   |        |

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| 3311813 | Dart Neuroscience (Cayman) Ltd  | 26/08/2008 | 3311813 | 17204892.8 |        |
| 3311858 | Asahi Kasei Medical Co., Ltd.   | 17/06/2016 | 3311858 | 16811771.1 |        |
| 3311974 | Arburg GmbH + Co KG   | 17/10/2017 | 3311974 | 17196840.7 | German |
| 3312025 | Bridgestone Corporation   | 17/06/2016 | 3312025 | 16811738.0 |        |
| 3312107 | Toyo Aerosol Industry Co., Ltd.   | 18/01/2016 | 3312107 | 16886247.2 |        |
| 3312134 | D'Angelosante, Dino   | 19/10/2017 | 3312134 | 17197276.3 |        |
| 3312181 | Astellas Pharma Inc.  | 17/06/2016 | 3312181 | 16811742.2 |        |
| 3312231 | Bridgestone Corporation   | 21/06/2016 | 3312231 | 16813954.1 |        |
| 3312232 | SUMITOMO RUBBER INDUSTRIES,<br>LTD.<br>Shin-Etsu Chemical Company, Ltd. | 28/09/2017 | 3312232 | 17193899.6 |        |
| 3312326 | Goodrich Corporation  | 24/03/2016 | 3312326 | 17207987.3 |        |
| 3313043 | Sandvine Incorporated ULC   | 16/10/2017 | 3313043 | 17196620.3 |        |
| 3313165 | Schaeffler Technologies AG & Co. KG                                     | 24/06/2016 | 3313165 | 16741227.9 | German |
| 3313221 | De Arquer Recio, Luis   | 28/06/2016 | 3313221 | 16732659.4 |        |
| 3313231 | Vorwerk & Co. Interholding GmbH   | 17/06/2016 | 3313231 | 16729599.7 | German |
| 3313299 | Aesculap AG   | 16/06/2016 | 3313299 | 16731091.1 | German |
| 3313311 | Boston Scientific Scimed Inc.   | 28/06/2016 | 3313311 | 16741439.0 |        |
| 3313484 | Koninklijke Philips N.V.  | 22/06/2016 | 3313484 | 16730424.5 |        |
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| 3313569 | Gasolfin B.V.   | 23/06/2016 | 3313569 | 16745522.9 |        |
| 3313643 | Sidel Participations  | 22/06/2016 | 3313643 | 16741353.3 | French |
| 3313669 | Société BIC   | 15/06/2016 | 3313669 | 16736904.0 | French |
| 3313673 | Continental Reifen Deutschland GmbH                                     | 23/02/2016 | 3313673 | 16705788.4 | German |
| 3313754 | Philip Morris Products S.A.   | 23/06/2016 | 3313754 | 16734595.8 |        |
| 3313755 | Bisio Progetti S.p.a.   | 24/06/2016 | 3313755 | 16745169.9 |        |
| 3313938 | Fraunhofer-Gesellschaft zur Förderung<br>der angewandten Forschung e.V. | 13/06/2016 | 3313938 | 16728939.6 | German |
| 3314087 | Bristol, Inc., D/B/A Remote<br>Automation Solutions                     | 29/06/2016 | 3314087 | 16738945.1 |        |
| 3314105 | Volvo Truck Corporation   | 20/06/2016 | 3314105 | 16730847.7 |        |
| 3314117 | Sauton, Olivier<br>Lecanu, Pierre<br>Breard, Joël                       | 24/06/2016 | 3314117 | 16745782.9 | French |
| 3314118 | Vestas Wind Systems A/S   | 22/06/2016 | 3314118 | 16734178.3 |        |

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| 3314332 | ASML Netherlands B.V.  | 21/06/2016             | 3314332      | 16731124.0 |        |  |
| 3314337 | Renault S.A.S.   | 20/06/2016             | 3314337      | 16741094.3 | French |  |
| 3314435 | Microsoft Technology Licensing, LLC  | 23/06/2016             | 3314435      | 16738266.2 |        |  |
| 3314572 | Koninklijke Philips N.V.   | 15/06/2016             | 3314572      | 16734204.7 |        |  |
| 3314701 | Endress+Hauser Flowtec AG  | 14/06/2016             | 3314701      | 16728703.6 | German |  |
| 3314744 | Carl Zeiss Industrielle Messtechnik GmbH   | 24/05/2016             | 3314744      | 16724434.2 | German |  |
| 3314848 | BlackBerry Limited   | 28/06/2016             | 3314848      | 16745253.1 |        |  |
| 3314849 | BlackBerry Limited   | 28/06/2016             | 3314849      | 16745254.9 |        |  |
| 3314917 | INTEL Corporation  | 24/12/2015             | 3314917      | 15828795.3 |        |  |
| 3314919 | Harman International Industries, Incorporated  | 07/06/2016             | 3314919      | 16732398.9 |        |  |
| 3314971 | Canon Kabushiki Kaisha   | 17/06/2016             | 3314971      | 16729592.2 |        |  |
| 3315106 | The Procter & Gamble Company   | 31/10/2016             | 3315106      | 16196510.8 |        |  |
| 3315266 | Carl Stahl Kromer GmbH   | 28/09/2017             | 3315266      | 17193802.0 | German |  |
| 3315281 | Sumitomo Heavy Industries, Ltd.  | 27/10/2017             | 3315281      | 17198796.9 |        |  |
| 3315320 | Bridgestone Corporation  | 29/06/2016             | 3315320      | 16817980.2 |        |  |
| 3315365 | Zhejiang Geely Automobile Research Institute Co., Ltd.<br>Zhejiang Geely Holding Group Co., Ltd.       | 07/06/2016             | 3315365      | 16829687.9 |        |  |
| 3315366 | TOYOTA JIDOSHA KABUSHIKI KAISHA  | 12/09/2017             | 3315366      | 17190647.2 |        |  |
| 3315404 | AeroMobil R&D, s. r. o.  | 25/10/2016             | 3315404      | 16195570.3 |        |  |
| 3315678 | Ikona AG   | 24/10/2017             | 3315678      | 17198011.3 | German |  |
| 3315848 | H4X e.U.   | 17/10/2017             | 3315848      | 17196888.6 | German |  |
| 3315904 | Shenzhen AMI Technology Co. Ltd<br>Tyco Electronics (Shanghai) Co. Ltd.<br>TE Connectivity Corporation | 27/10/2017             | 3315904      | 17198960.1 |        |  |
| 3315911 | Nissan Motor Co., Ltd.   | 26/06/2015             | 3315911      | 15896385.0 |        |  |
| 3316097 | LG Display Co., Ltd.   | 31/10/2017             | 3316097      | 17199482.5 |        |  |
| 3316429 | Schill GmbH & Co. KG   | 12/10/2017             | 3316429      | 17196048.7 | German |  |
| 3316709 | Philip Morris Products S.A.  | 24/06/2016             | 3316709      | 16734757.4 |        |  |
| 3316812 | Ethicon LLC  | 24/06/2016             | 3316812      | 16739613.4 |        |  |
| 3316933 | Crossject  | 30/06/2016             | 3316933      | 16742362.3 | French |  |
| 3316961 | Koninklijke Philips N.V.   | 30/06/2016             | 3316961      | 16736250.8 |        |  |

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| 3316973 | Firmenich SA   | 28/06/2016 | 3316973 | 16733474.7 |        |
| 3316994 | Covestro Deutschland AG  | 29/06/2016 | 3316994 | 16734312.8 | German |
| 3317005 | IKA - Werke GmbH & Co. KG  | 21/06/2016 | 3317005 | 16731513.4 | German |
| 3317060 | Sonderhoff Engineering GmbH  | 24/06/2016 | 3317060 | 16740939.0 | German |
| 3317071 | Sonderhoff Engineering GmbH  | 24/06/2016 | 3317071 | 16740936.6 | German |
| 3317086 | Holt Lloyd International Limited                                     | 30/06/2016 | 3317086 | 16736574.1 |        |
| 3317111 | Giesecke+Devrient Currency<br>Technology GmbH                        | 27/06/2016 | 3317111 | 16733880.5 | German |
| 3317148 | ElringKlinger AG   | 21/06/2016 | 3317148 | 16732564.6 | German |
| 3317345 | Compagnie Générale des<br>Etablissements Michelin                    | 30/06/2016 | 3317345 | 16734357.3 | French |
| 3317460 | Plasser & Theurer Export von<br>Bahnbaumaschinen Gesellschaft m.b.H. | 02/06/2016 | 3317460 | 16726790.5 | German |
| 3317535 | Exergyn Ltd.   | 29/06/2016 | 3317535 | 16741542.1 |        |
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| 3317624 | The Whollysee Ltd.   | 04/07/2016 | 3317624 | 16820949.2 |        |
| 3317628 | Vestas Wind Systems A/S  | 17/06/2016 | 3317628 | 16731794.0 |        |
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| 3317853 | Koninklijke Philips N.V.   | 17/06/2016 | 3317853 | 16734214.6 |        |
| 3317863 | Dölling, Stefan  | 27/06/2016 | 3317863 | 16757546.3 | German |
| 3317864 | Sensormatic Electronics, LLC   | 30/06/2016 | 3317864 | 16738629.1 |        |
| 3317952 | Wobben Properties GmbH   | 27/06/2016 | 3317952 | 16732306.2 | German |
| 3317966 | TRUMPF Hüttinger GmbH + Co. KG                                       | 30/06/2016 | 3317966 | 16740974.7 | German |
| 3317986 | Telecom Italia S.p.A.<br>Politecnico Di Torino                       | 30/06/2015 | 3317986 | 15735891.2 |        |
| 3318082 | Telecom Italia S.p.A.  | 30/06/2015 | 3318082 | 15739189.7 |        |
| 3318220 | Cook Medical Technologies LLC  | 23/12/2013 | 3318220 | 17206173.1 |        |
| 3318374 | The Gillette Company   | 07/11/2016 | 3318374 | 16197630.3 |        |
| 3318462 | Bombardier Transportation GmbH                                       | 27/10/2017 | 3318462 | 17198741.5 | German |
| 3318570 | Evonik Degussa GmbH  | 08/11/2016 | 3318570 | 16197717.8 | German |
| 3318598 | Lotte Advanced Materials Co., Ltd.                                   | 02/11/2017 | 3318598 | 17199720.8 |        |
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| 3318728 | United Technologies Corporation                                      | 01/09/2017 | 3318728 | 17189123.7 |        |
| 3319106 | Qingdao Goertek Technology Co., Ltd.                                 | 25/05/2016 | 3319106 | 16840621.3 |        |
| 3319178 | Miele & Cie. KG  | 11/10/2017 | 3319178 | 17195841.6 | German |
| 3319189 | LSIS Co., Ltd.   | 24/03/2017 | 3319189 | 17162816.7 |        |
| 3319300 | Samsung Electronics Co., Ltd.  | 26/10/2017 | 3319300 | 17198710.0 |        |
| 3319370 | Huawei Technologies Co., Ltd.  | 21/08/2015 | 3319370 | 15901908.2 |        |

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| 3319755 | Delphi Technologies IP Limited   | 30/06/2016             | 3319755      | 16733573.6 |        |
| 3319847 | Alfred Kärcher SE & Co. KG   | 23/06/2016             | 3319847      | 16731903.7 | German |
| 3319858 | Siemens Mobility GmbH  | 29/09/2016             | 3319858      | 16774933.2 | German |
| 3320195 | MTU Friedrichshafen GmbH   | 28/06/2016             | 3320195      | 16733303.8 | German |
| 3320210 | Hydac Fluidtechnik GmbH  | 10/06/2016             | 3320210      | 16728838.0 | German |
| 3320357 | Loughborough University  | 23/06/2016             | 3320357      | 16732715.4 |        |
| 3320581 | Signify Holding B.V.   | 07/06/2016             | 3320581      | 16728288.8 |        |
| 3320644 | Xilinx, Inc.   | 08/04/2016             | 3320644      | 16718798.8 |        |
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| 3320761 | Robert Bosch GmbH  | 20/06/2016             | 3320761      | 16733021.6 | German |
| 3321134 | Robert Bosch GmbH  | 07/11/2017             | 3321134      | 17200326.1 |        |
| 3321202 | ETS Martin   | 05/10/2017             | 3321202      | 17195023.1 | French |
| 3321426 | Kim, Young Gil   | 29/08/2016             | 3321426      | 16844614.4 |        |
| 3321509 | Munters Italy S.p.A.   | 10/11/2016             | 3321509      | 16425104.3 |        |
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| 3322574 | Admatec Europe B.V.  | 14/07/2016             | 3322574      | 16741280.8 |        |
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| 3323301 | Hauni Maschinenbau GmbH  | 21/11/2017             | 3323301      | 17202674.2 | German |
| 3323316 | BSH Hausgeräte GmbH  | 27/10/2017             | 3323316      | 17198911.4 |        |
| 3323482 | Kids II, Inc.  | 31/08/2017             | 3323482      | 17188913.2 |        |
| 3323670 | AISIN SEIKI KABUSHIKI KAISHA   | 30/10/2017             | 3323670      | 17199123.5 |        |
| 3323753 | Aptar Radolfzell GmbH  | 17/11/2016             | 3323753      | 16199378.7 | German |
| 3323774 | Coravin, Inc.  | 09/06/2014             | 3323774      | 17208893.2 |        |
| 3323903 | Deutsche Edelstahlwerke Specialty<br>Steel GmbH & Co. KG   | 22/11/2016             | 3323903      | 16200062.4 | German |
| 3324093 | Norham   | 21/11/2016             | 3324093      | 16199887.7 | French |
| 3324212 | Teledyne Digital Imaging, Inc.<br>Teledyne Dalsa B.V.<br>General Electric Company                          | 03/11/2017             | 3324212      | 17199890.9 |        |
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| 3333033 | Robert Bosch GmbH                              | 09/11/2017             | 3333033 17200744.5        |
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| 3337218 | Industrial Technology Research Institute       | 27/12/2016             | 3337218 16206962.9        |
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| 3339600 | Bell Helicopter Textron Inc.  | 08/11/2017 | 3339600 | 17200687.6 |        |
| 3339627 | Continental Automotive GmbH   | 22/02/2017 | 3339627 | 17157333.0 |        |
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| 3340096 | Idemia Identity & Security France   | 20/12/2017 | 3340096 | 17306850.3 | French |
| 3340097 | Nippon Telegraph And Telephone<br>Corporation                               | 17/10/2016 | 3340097 | 16861914.6 |        |
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| 3342245 | Telefonaktiebolaget LM Ericsson<br>(PUBL)                                   | 26/08/2015 | 3342245 | 15902379.5 |        |
| 3342345 | Delta Electronics Inc.  | 23/06/2017 | 3342345 | 17177587.7 |        |
| 3342684 | Nippon Steel Corporation  | 11/10/2016 | 3342684 | 16853782.7 |        |
| 3342694 | HONDA MOTOR CO., LTD.   | 14/12/2017 | 3342694 | 17207255.5 |        |
| 3342804 | Lotte Advanced Materials Co., Ltd.  | 22/12/2017 | 3342804 | 17210244.4 |        |
| 3343028 | General Electric Company  | 21/12/2017 | 3343028 | 17209776.8 |        |
| 3343103 | Harman Professional Denmark ApS   | 05/04/2011 | 3343103 | 18156524.3 |        |
| 3343178 | Volkswagen AG   | 27/12/2016 | 3343178 | 16206959.5 | German |
| 3343306 | Faurecia Automotive Seating, LLC  | 27/12/2017 | 3343306 | 17210624.7 |        |
| 3343375 | BULL SAS  | 28/12/2017 | 3343375 | 17211003.3 | French |
| 3343986 | BlackBerry Limited  | 03/06/2013 | 3343986 | 18158241.2 |        |
| 3344565 | Paul Wurth S.A.   | 01/08/2016 | 3344565 | 16745737.3 |        |
| 3344635 | BASF SE   | 29/08/2016 | 3344635 | 16757668.5 | German |
| 3344637 | BASF SE   | 30/08/2016 | 3344637 | 16757896.2 | German |
| 3344638 | BASF SE   | 30/08/2016 | 3344638 | 16758159.4 | German |
| 3344790 | Constellium Isoire  | 01/09/2016 | 3344790 | 16777712.7 | French |
| 3344825 | Semadeni, Marco   | 31/08/2016 | 3344825 | 16767137.9 | German |

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| 3344839 | AGC Glass Europe  | 22/08/2016             | 3344839 16758122.2 French |
| 3344946 | Nexter Munitions  | 30/08/2016             | 3344946 16788150.7 French |
| 3344966 | Siemens Aktiengesellschaft  | 12/04/2016             | 3344966 16716530.7 German |
| 3345279 | Wobben Properties GmbH  | 02/09/2016             | 3345279 16760480.0 German |
| 3345775 | Sumitomo Rubber Industries, Ltd.  | 12/12/2017             | 3345775 17206604.5        |
| 3345813 | MAGNA STEYR Fahrzeugtechnik AG<br>& Co KG   | 09/01/2017             | 3345813 17150639.7 German |
| 3345934 | Chevron Phillips Chemical Company<br>LP   | 22/09/2010             | 3345934 18151905.9        |
| 3346198 | Carlieuklima S.r.l.   | 13/12/2017             | 3346198 17207170.6        |
| 3346610 | Sonovum AG  | 14/10/2015             | 3346610 18151321.9 German |
| 3346646 | Panasonic Intellectual Property<br>Corporation of America                                 | 30/06/2016             | 3346646 16841029.8        |
| 3346882 | Wanzl Metallwarenfabrik GmbH  | 10/03/2016             | 3346882 16709079.4 German |
| 3347073 | West Pharmaceutical Services, Inc.  | 11/09/2015             | 3347073 15767040.7        |
| 3347226 | Audi AG   | 25/08/2016             | 3347226 16758143.8 German |
| 3347381 | Bridgestone Corporation   | 09/09/2016             | 3347381 16791072.8        |
| 3347402 | IP2IPO Innovations Limited  | 09/09/2016             | 3347402 16766066.1        |
| 3347413 | SABIC Global Technologies B.V.  | 02/09/2016             | 3347413 16762763.7        |
| 3347507 | Koch, Detlef  | 12/09/2016             | 3347507 16769903.2 German |
| 3347594 | Vestas Wind Systems A/S   | 09/09/2016             | 3347594 16766845.8        |
| 3347637 | VSH Fittings B.V.   | 06/09/2016             | 3347637 16771007.8        |
| 3347769 | Commissariat à l'Énergie Atomique et<br>aux Énergies Alternatives                         | 09/09/2016             | 3347769 16763794.1 French |
| 3347899 | Silicon Storage Technology Inc.   | 12/08/2016             | 3347899 16758011.7        |
| 3348301 | Cook Medical Technologies LLC   | 12/01/2018             | 3348301 18275003.4        |
| 3348311 | Nintendo Co., Ltd.  | 05/04/2017             | 3348311 17165026.0        |
| 3348378 | Nissan Motor Co., Ltd.  | 09/09/2015             | 3348378 15903583.1        |
| 3348411 | Dai Nippon Printing Co., Ltd.   | 13/09/2016             | 3348411 16851144.2        |
| 3348589 | Evonik Degussa GmbH   | 16/01/2017             | 3348589 17151585.1 German |
| 3348699 | BSH Hausgeräte GmbH   | 20/12/2017             | 3348699 17208883.3 German |
| 3349512 | Kyocera Corporation   | 17/01/2014             | 3349512 18158298.2        |
| 3350159 | S.P.C.M. SA   | 16/09/2016             | 3350159 16781837.6 French |
| 3350192 | Nanomedyn<br>Centre National de la Recherche<br>Scientifique<br>Université de Montpellier | 15/09/2016             | 3350192 16787487.4 French |
| 3350409 | Interwell Technology AS   | 07/09/2016             | 3350409 16763244.7        |

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| 3350433 | Rabhi, Vianney   | 07/09/2016 | 3350433 | 16775804.4 | French |
| 3350441 | Comat Concept Mecanique et<br>Assistance Technique       | 14/09/2016 | 3350441 | 16778690.4 | French |
| 3350667 | Google LLC   | 07/09/2016 | 3350667 | 16767453.0 |        |
| 3350939 | Telefonaktiebolaget LM Ericsson (publ)                   | 17/09/2015 | 3350939 | 15767131.4 |        |
| 3350988 | trinamiX GmbH  | 14/09/2016 | 3350988 | 16767207.0 |        |
| 3351132 | PARSA Haar- und Modeartikel GmbH                         | 18/01/2018 | 3351132 | 18152237.6 | German |
| 3351231 | Sanicare AB  | 16/01/2018 | 3351231 | 18151898.6 |        |
| 3351433 | LG Hausys, Ltd.  | 06/04/2016 | 3351433 | 16846716.5 |        |
| 3351435 | TRW VEHICLE SAFETY SYSTEMS<br>INC.                       | 19/01/2018 | 3351435 | 18152504.9 |        |
| 3351677 | LG Electronics Inc.                                      | 23/01/2018 | 3351677 | 18152906.6 |        |
| 3351860 | Varem S.p.A.   | 04/01/2018 | 3351860 | 18150270.9 |        |
| 3352384 | Huawei Technologies Co., Ltd.                            | 29/10/2015 | 3352384 | 15906969.9 |        |
| 3352710 | Otto Bock Healthcare Products GmbH                       | 20/09/2016 | 3352710 | 16770479.0 | German |
| 3352722 | SEB S.A.   | 19/09/2016 | 3352722 | 16781508.3 | French |
| 3352809 | Heartware, Inc.  | 23/09/2016 | 3352809 | 16774824.3 |        |
| 3352901 | Merck Patent GmbH  | 16/09/2016 | 3352901 | 16770888.2 | German |
| 3352902 | Luxembourg Institute of Science and<br>Technology        | 20/09/2016 | 3352902 | 16775524.8 | French |
| 3353045 | CAYAGO TEC GmbH  | 19/09/2016 | 3353045 | 16766977.9 | German |
| 3353109 | Euro Pipeline Equipment S.p.A.                           | 21/09/2016 | 3353109 | 16781298.1 |        |
| 3353114 | Chevron U.S.A. Inc.                                      | 13/09/2016 | 3353114 | 16770618.3 |        |
| 3353401 | Safran Aircraft Engines                                  | 20/09/2016 | 3353401 | 16781515.8 | French |
| 3353923 | Telefonaktiebolaget LM Ericsson<br>(PUBL)                | 23/09/2015 | 3353923 | 15904828.9 |        |
| 3353931 | Telefonaktiebolaget LM Ericsson<br>(PUBL)                | 21/10/2015 | 3353931 | 15787722.6 |        |
| 3353960 | Beckhoff Automation GmbH                                 | 14/10/2016 | 3353960 | 16785112.0 | German |
| 3354052 | Vodafone IP Licensing Limited                            | 21/09/2016 | 3354052 | 16775825.9 |        |
| 3354267 | PharmAgra Labs, Inc.                                     | 23/01/2008 | 3354267 | 18162130.1 |        |
| 3354283 | Alfred E. Tiefenbacher (GmbH & Co.<br>KG)                | 05/03/2018 | 3354283 | 18160014.9 |        |
| 3354460 | Oesterreichische Banknoten- und<br>Sicherheitsdruck GmbH | 03/01/2018 | 3354460 | 18150168.5 | German |
| 3354475 | Shachihata Inc.  | 13/03/2017 | 3354475 | 18161089.0 |        |
| 3354741 | Xyleco, Inc.   | 12/10/2010 | 3354741 | 18161151.8 |        |

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| 3354782 | Karl Mayer Textilmaschinenfabrik GmbH                          | 25/01/2017             | 3354782      | 17153009.0 | German |
| 3354838 | L.M. DEI F.LLI MONTICELLI - S.R.L.                             | 30/01/2018             | 3354838      | 18154280.4 |        |
| 3355478 | Telefonaktiebolaget LM Ericsson (publ)                         | 10/09/2014             | 3355478      | 18154125.1 |        |
| 3355562 | Urmet S.P.A.   | 24/01/2018             | 3355562      | 18153293.8 |        |
| 3355712 | Société des Produits Nestlé S.A.                               | 29/09/2016             | 3355712      | 16774678.3 |        |
| 3356063 | SMS Group GmbH   | 27/09/2016             | 3356063      | 16770787.6 | German |
| 3356376 | BASF SE  | 26/09/2016             | 3356376      | 16777612.9 | German |
| 3356747 | AIC Spółka Akcyjna   | 21/09/2016             | 3356747      | 16787943.6 |        |
| 3356984 | Dtex Systems Inc.  | 30/09/2016             | 3356984      | 16781262.7 |        |
| 3357113 | Commissariat à l'Énergie Atomique et aux Énergies Alternatives | 16/09/2016             | 3357113      | 16779158.1 | French |
| 3357454 | Panasonic Intellectual Property Management Co., Ltd.           | 31/01/2018             | 3357454      | 18154404.0 |        |
| 3357682 | Watermann Polyworks GmbH                                       | 30/01/2018             | 3357682      | 18154238.2 | German |
| 3358086 | Leino, Jorma   | 01/02/2018             | 3358086      | 18154613.6 |        |
| 3358277 | Daikin Industries, Ltd.  | 27/09/2016             | 3358277      | 16851548.4 |        |
| 3358939 | Bacchus GmbH   | 20/09/2016             | 3358939      | 16798382.4 | German |
| 3359251 | Cardiac Pacemakers, Inc.                                       | 07/10/2016             | 3359251      | 16781988.7 |        |
| 3359422 | Renault s.a.s  | 05/09/2016             | 3359422      | 16775777.2 | French |
| 3359529 | Synvina C.V.   | 06/10/2016             | 3359529      | 16790742.7 |        |
| 3359818 | Atlas Copco Airpower, Naamloze Vennootschap                    | 27/09/2016             | 3359818      | 16834233.5 |        |
| 3359886 | Fondazione Bruno Kessler                                       | 10/10/2016             | 3359886      | 16801559.2 |        |
| 3359972 | ABB Schweiz AG   | 05/10/2016             | 3359972      | 16777984.2 |        |
| 3360126 | BSH Hausgeräte GmbH  | 19/09/2016             | 3360126      | 16770251.3 | German |
| 3360355 | Giesecke+Devrient Mobile Security GmbH                         | 06/10/2016             | 3360355      | 16778206.9 | German |
| 3360359 | Telefonaktiebolaget LM Ericsson (PUBL)                         | 20/09/2016             | 3360359      | 16775001.7 |        |
| 3361052 | Rolls-Royce plc  | 15/01/2018             | 3361052      | 18151673.3 |        |
| 3361102 | PFEIFFER VACUUM GMBH   | 09/02/2017             | 3361102      | 17155321.7 | German |
| 3361332 | AO Kaspersky Lab   | 13/10/2017             | 3361332      | 17196462.0 |        |
| 3361453 | GRG Banking Equipment Co., Ltd.                                | 06/06/2016             | 3361453      | 16852997.2 |        |
| 3362293 | SACMI Cooperativa Meccanici Imola Società Cooperativa          | 14/10/2016             | 3362293      | 16801573.3 |        |
| 3362328 | Federal-Mogul S.A.   | 14/10/2015             | 3362328      | 15780866.8 |        |

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| 3362523 | Toray Films Europe                             | 14/10/2016 | 3362523 | 16794708.4 | French |
| 3362584 | Constellium Isoire                             | 11/10/2016 | 3362584 | 16793958.6 | French |
| 3363057 | Robert Bosch GmbH                              | 28/09/2016 | 3363057 | 16770950.0 |        |
| 3363144 | Robert Bosch GmbH                              | 10/10/2016 | 3363144 | 16779088.0 | German |
| 3363268 | Signify Holding B.V.                           | 11/10/2016 | 3363268 | 16781375.7 |        |
| 3363589 | S.P.D. S.p.A.                                  | 12/02/2018 | 3363589 | 18156255.4 |        |
| 3363701 | NISSIN KOGYO CO., LTD.                         | 16/02/2018 | 3363701 | 18157150.6 |        |
| 3364122 | UNIGLORY INDUSTRIAL LIMITED                    | 16/01/2018 | 3364122 | 18151851.5 | French |
| 3364940 | The Procter & Gamble Company                   | 21/10/2016 | 3364940 | 16788913.8 |        |
| 3365151 | JENOPTIK Automatisierungstechnik GmbH          | 14/10/2016 | 3365151 | 16794503.9 | German |
| 3365188 | Compagnie Générale des Etablissements Michelin | 06/10/2016 | 3365188 | 16779052.6 | French |
| 3365239 | Bundesdruckerei GmbH                           | 19/10/2016 | 3365239 | 16784858.9 | German |
| 3365805 | Oracle International Corporation               | 21/10/2016 | 3365805 | 16788001.2 |        |
| 3365807 | Oracle International Corporation               | 21/10/2016 | 3365807 | 16788391.7 |        |
| 3366057 | Telefonaktiebolaget LM Ericsson (publ)         | 23/10/2015 | 3366057 | 15787531.1 |        |
| 3366153 | Ci.erre.E. S.R.L.                              | 31/01/2018 | 3366153 | 18154344.8 |        |
| 3366262 | Loma Vista Medical, Inc.                       | 18/10/2013 | 3366262 | 18167468.0 |        |
| 3366264 | Dose Medical Corporation                       | 10/03/2014 | 3366264 | 18153863.8 |        |
| 3366409 | Comau S.p.A.                                   | 23/02/2017 | 3366409 | 17157541.8 |        |
| 3366430 | SICK STEGMANN GmbH                             | 22/02/2017 | 3366430 | 17157443.7 | German |
| 3366431 | SICK STEGMANN GmbH                             | 01/02/2018 | 3366431 | 18154755.5 | German |
| 3366446 | Eishin Technology Co., Ltd                     | 21/10/2015 | 3366446 | 15906676.0 |        |
| 3367279 | GRG Banking Equipment Co., Ltd.                | 29/03/2016 | 3367279 | 16856583.6 |        |
| 3367803 | Schröter Technologie GmbH & Co. KG             | 21/10/2015 | 3367803 | 15794088.3 | German |
| 3367846 | Hettich Franke GmbH & Co. KG                   | 27/10/2016 | 3367846 | 16787458.5 | German |
| 3367935 | C.R. Bard, Inc.                                | 28/10/2016 | 3367935 | 16798862.5 |        |
| 3368061 | Elanco US Inc.                                 | 14/10/2016 | 3368061 | 16785669.9 |        |
| 3368098 | CircuLite, Inc.                                | 06/11/2015 | 3368098 | 15794795.3 |        |
| 3368202 | Hindustan Petroleum Corporation Limited        | 07/06/2016 | 3368202 | 16745189.7 |        |
| 3368302 | Tetra Laval Holdings & Finance S.A.            | 25/10/2016 | 3368302 | 16787819.8 |        |
| 3368499 | Dow Global Technologies LLC                    | 07/09/2016 | 3368499 | 16766441.6 |        |
| 3368637 | Merck Patent GmbH                              | 07/10/2016 | 3368637 | 16781676.8 |        |
| 3368781 | ABC Umformtechnik GmbH & Co. KG                | 26/10/2016 | 3368781 | 16787448.6 | German |
| 3368834 | Rioglass Solar Systems Ltd.                    | 28/10/2016 | 3368834 | 16794431.3 |        |
| 3369030 | Google LLC                                     | 23/09/2016 | 3369030 | 16778162.4 |        |

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| 3369870 | Tecno K Giunti S.r.l.                         | 28/02/2018             | 3369870      | 18159232.0 |        |
| 3369912 | Nissan Motor Co., Ltd.                        | 30/10/2015             | 3369912      | 15907183.6 |        |
| 3370123 | Vorwerk & Co. Interholding GmbH               | 09/02/2016             | 3370123      | 18167031.6 |        |
| 3370501 | Husqvarna AB                                  | 01/11/2016             | 3370501      | 16791702.0 |        |
| 3370821 | SEB S.A.                                      | 04/11/2016             | 3370821      | 16809132.0 | French |
| 3371083 | Lohia, Siddharth                              | 02/11/2016             | 3371083      | 16801841.4 |        |
| 3371104 | Fondazione Istituto Italiano di<br>Tecnologia | 07/10/2016             | 3371104      | 16778025.3 |        |
| 3371179 | SANOFI  | 03/11/2016             | 3371179      | 16791017.3 |        |
| 3371245 | BASF SE                                       | 02/11/2016             | 3371245      | 16790340.0 |        |
| 3371247 | BASF SE                                       | 02/11/2016             | 3371247      | 16793797.8 |        |
| 3371293 | Coöperatie Avebe U.A.                         | 04/11/2016             | 3371293      | 16805225.6 |        |
| 3371352 | Maschinenfabrik Rieter AG                     | 02/11/2016             | 3371352      | 16790339.2 | German |
| 3371446 | Aerojet Rocketdyne, Inc.                      | 19/10/2016             | 3371446      | 16790812.8 |        |
| 3371515 | E.ON Sverige AB                               | 02/11/2016             | 3371515      | 16790344.2 |        |
| 3372412 | Seiko Epson Corporation                       | 02/03/2018             | 3372412      | 18159806.1 |        |
| 3372435 | VOLKSWAGEN<br>AKTIENGESELLSCHAFT              | 06/03/2017             | 3372435      | 17159324.7 | German |
| 3372436 | VOLKSWAGEN<br>AKTIENGESELLSCHAFT              | 06/03/2017             | 3372436      | 17159325.4 | German |
| 3372924 | LG Electronics Inc.                           | 23/03/2007             | 3372924      | 18164955.9 |        |
| 3373179 | Mitsubishi Electric Corporation               | 14/12/2015             | 3373179      | 15910665.7 |        |
| 3373187 | Google LLC                                    | 16/10/2012             | 3373187      | 18170191.3 |        |
| 3373277 | Murrplastik Systemtechnik GmbH                | 22/02/2018             | 3373277      | 18158005.1 | German |
| 3373359 | LG Chem, Ltd.                                 | 20/09/2016             | 3373359      | 16862284.3 |        |
| 3374304 | SSM Schärer Schweiter Mettler AG              | 04/10/2016             | 3374304      | 16775721.0 | German |
| 3374305 | SSM Schärer Schweiter Mettler AG              | 04/10/2016             | 3374305      | 16775722.8 | German |
| 3374347 | BASF SE                                       | 08/11/2016             | 3374347      | 16794577.3 | German |
| 3374720 | CMI Defence S.A.                              | 24/10/2016             | 3374720      | 16790540.5 | French |
| 3375542 | Unimex NV<br>Bollhoff Otalú S.A.              | 14/03/2018             | 3375542      | 18161640.0 | French |
| 3375543 | Eishin Technology Co., Ltd                    | 11/11/2015             | 3375543      | 15891027.3 |        |
| 3375649 | Ford Global Technologies, LLC                 | 25/01/2018             | 3375649      | 18153382.9 |        |
| 3375679 | Nissan Motor Co., Ltd.                        | 09/11/2015             | 3375679      | 15908237.9 |        |
| 3375740 | Solystic                                      | 09/02/2018             | 3375740      | 18156040.0 | French |
| 3376137 | LG Electronics Inc.                           | 27/11/2017             | 3376137      | 17203724.4 |        |
| 3376202 | Bruker Daltonik GmbH                          | 16/02/2018             | 3376202      | 18157049.0 |        |
| 3376592 | Arcadyan Technology Corporation               | 20/09/2017             | 3376592      | 17192182.8 |        |



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| 3377575 | Borealis AG   | 17/11/2016 | 3377575 | 16797576.2 |        |
| 3377672 | Kobus SAS   | 15/11/2016 | 3377672 | 16809496.9 | French |
| 3377716 | Vitabri   | 16/11/2016 | 3377716 | 16812985.6 | French |
| 3377827 | SBP Sonne GmbH  | 06/10/2016 | 3377827 | 16778349.7 | German |
| 3377911 | Robert Bosch GmbH   | 28/10/2016 | 3377911 | 16790931.6 | German |
| 3378531 | Cardiac Pacemakers, Inc.  | 06/03/2008 | 3378531 | 18169030.6 |        |
| 3378688 | Elkamet Kunststofftechnik GmbH                                    | 23/03/2017 | 3378688 | 17162529.6 | German |
| 3378813 | FOSBER S.p.A.   | 22/03/2017 | 3378813 | 17162291.3 |        |
| 3379028 | Honeywell International Inc.                                      | 19/02/2018 | 3379028 | 18157436.9 |        |
| 3379301 | Earth Networks, Inc.  | 16/01/2013 | 3379301 | 18164597.9 |        |
| 3379553 | LSIS Co., Ltd.  | 20/09/2017 | 3379553 | 17192085.3 |        |
| 3379616 | Sumitomo Osaka Cement Co., Ltd.                                   | 11/09/2017 | 3379616 | 17190303.2 |        |
| 3379949 | Philip Morris Products S.A.                                       | 25/11/2016 | 3379949 | 16805045.8 |        |
| 3380313 | Vestas Wind Systems A/S   | 23/11/2016 | 3380313 | 16805277.7 |        |
| 3382080 | Reifenhäuser GmbH & Co. KG<br>Maschinenfabrik<br>Mann+Hummel GmbH | 28/03/2017 | 3382080 | 17163369.6 | German |
| 3382082 | Reifenhäuser GmbH & Co. KG<br>Maschinenfabrik                     | 31/03/2017 | 3382082 | 17164368.7 | German |
| 3382151 | Honeywell International Inc.                                      | 23/03/2018 | 3382151 | 18163803.2 |        |
| 3382193 | Mahle International GmbH  | 23/03/2018 | 3382193 | 18163598.8 | German |
| 3382885 | Melexis Bulgaria Ltd.   | 30/03/2017 | 3382885 | 17164030.3 |        |
| 3383091 | Quantenna Communications, Inc.                                    | 09/06/2017 | 3383091 | 17175298.3 |        |
| 3383106 | Huawei Technologies Co., Ltd.                                     | 21/03/2014 | 3383106 | 18156926.0 |        |
| 3383294 | Medacta International SA  | 24/11/2016 | 3383294 | 16826445.5 |        |
| 3383689 | Audi AG   | 02/11/2016 | 3383689 | 16790355.8 | German |
| 3384162 | Industrie Saleri Italo S.P.A.                                     | 23/11/2016 | 3384162 | 16822535.7 |        |
| 3384420 | Microsoft Technology Licensing, LLC                               | 18/11/2016 | 3384420 | 16806400.4 |        |
| 3384615 | Telecom Italia S.p.A.   | 30/11/2015 | 3384615 | 15804721.7 |        |
| 3384905 | University Of Seoul Industry<br>Cooperation Foundation            | 04/04/2018 | 3384905 | 18165746.1 |        |
| 3385015 | SMW-AUTOBLOK Spannsysteme<br>GmbH                                 | 05/04/2017 | 3385015 | 17164900.7 | German |
| 3385775 | DENSO CORPORATION   | 26/09/2016 | 3385775 | 16870273.6 |        |
| 3386154 | Vorwerk & Co. Interholding GmbH                                   | 22/03/2018 | 3386154 | 18163297.7 | German |
| 3386757 | The Procter & Gamble Company                                      | 06/12/2016 | 3386757 | 16823084.5 |        |
| 3386908 | 10-Vins   | 01/12/2016 | 3386908 | 16813098.7 | French |
| 3387509 | Testo SE & Co. KGaA   | 25/11/2016 | 3387509 | 16805724.8 | German |

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| 3387526 | Truva Corporation<br>Saudi Arabian Oil Company                        | 06/12/2016             | 3387526      | 16816132.1 |        |
| 3387846 | Orange  | 06/12/2016             | 3387846      | 16819980.0 | French |
| 3387917 | GEGE Machinebouw B.V.   | 13/04/2017             | 3387917      | 17166542.5 |        |
| 3388247 | Trotec Laser GmbH   | 07/01/2015             | 3388247      | 18165285.0 | German |
| 3388257 | Sumitomo Rubber Industries, Ltd.                                      | 10/04/2018             | 3388257      | 18166625.6 |        |
| 3388365 | Kunshan Airbag Packing Corp<br>Liao, Tai-An                           | 10/04/2017             | 3388365      | 17165670.5 |        |
| 3388692 | Lorenzo Noguera, Sagar  | 12/04/2017             | 3388692      | 17382199.2 |        |
| 3390035 | Habasit AG  | 14/12/2016             | 3390035      | 16820195.2 |        |
| 3391999 | Makita Corporation  | 11/04/2018             | 3391999      | 18166841.9 |        |
| 3392316 | Jeju National University Industry-<br>Academic Cooperation Foundation | 04/11/2014             | 3392316      | 18176146.1 |        |
| 3392717 | Lexmark International, Inc.   | 10/06/2016             | 3392717      | 18167067.0 |        |
| 3392996 | ABB Schweiz AG  | 21/04/2017             | 3392996      | 17167649.7 |        |
| 3393325 | Arçelik Anonim Sirketi  | 22/12/2015             | 3393325      | 15813873.5 |        |
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| 3395682 | Airbus Helicopters  | 26/03/2018             | 3395682      | 18163876.8 | French |
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| 3401469 | Felibaby GmbH   | 16/02/2018             | 3401469      | 18157204.1 | German |
| 3401958 | Commissariat à l'Energie Atomique et<br>aux Energies Alternatives     | 03/05/2018             | 3401958      | 18170687.0 | French |
| 3402159 | Huawei Technologies Co., Ltd.   | 16/02/2016             | 3402159      | 16890156.9 |        |
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| 3403095 | Laboratory Corporation of America<br>Holdings                         | 15/03/2017             | 3403095      | 17714964.8 |        |
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| 3405747 | Signify Holding B.V.   | 16/01/2017 | 3405747 | 17700437.1 |        |
| 3406197 | Schleifring GmbH   | 22/05/2018 | 3406197 | 18173635.6 |        |
| 3406436 | Korsch AG  | 24/05/2017 | 3406436 | 17172619.3 | German |
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| 3409947 | Fujitsu General Limited  | 11/04/2017 | 3409947 | 18185107.2 |        |
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| 3430651 | Lumileds Holding B.V.   | 07/03/2017             | 3430651      | 17708821.8 |        |
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| 3449077 | Paul Hettich GmbH & Co. KG                                    | 25/04/2017             | 3449077      | 17719264.8 | German |
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| 2199788 | Sikorsky Aircraft Corporation   | 17/12/2009             | 2199788      | 09179662.3 |        |
| 2200458 | Enwave Corporation  | 15/10/2008             | 2200458      | 08838608.1 |        |
| 2201955 | Société des Produits Nestlé S.A.  | 20/06/2001             | 2201955      | 09164284.3 |        |
| 2203401 | Starbons Limited  | 19/09/2008             | 2203401      | 08804512.5 |        |
| 2207511 | Essity Hygiene and Health Aktiebolag  | 06/11/2007             | 2207511      | 07822246.0 |        |
| 2211287 | Alcatel Lucent  | 16/01/2009             | 2211287      | 09305038.3 |        |
| 2211626 | Ganeden Biotech, Inc.   | 27/08/2008             | 2211626      | 08795624.9 |        |
| 2220884 | Telefonaktiebolaget LM Ericsson (publ)  | 17/12/2007             | 2220884      | 07861106.8 |        |



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| 2221737 | BlackBerry Limited  | 19/02/2010 | 2221737 | 10154179.5 |        |
| 2222088 | Samsung Electronics Co., Ltd.<br>Inha-Industry Partnership Institute  | 23/02/2010 | 2222088 | 10154314.8 |        |
| 2223057 | Endress+Hauser Flowtec AG   | 12/12/2008 | 2223057 | 08865231.8 | German |
| 2224585 | Canon Kabushiki Kaisha  | 26/02/2010 | 2224585 | 10154887.3 |        |
| 2225426 | Saint-Gobain Isover   | 28/11/2008 | 2225426 | 08856571.8 | French |
| 2225597 | British Telecommunications public<br>limited company  | 23/12/2008 | 2225597 | 08867892.5 |        |
| 2226601 | Danish Technological Institute<br>Johnson Controls Denmark ApS<br>The Tokyo Electric Power Company,<br>Incorporated<br>Chubu Electric Power Co., Inc.<br>The Kansai Electric Power Co., Inc.<br>Kabushiki Kaisha Kobe Seiko Sho | 20/11/2008 | 2226601 | 08851133.2 |        |
| 2230757 | Honeywell International Inc.  | 04/03/2010 | 2230757 | 10155499.6 |        |
| 2231902 | Industrie De Nora S.p.A.  | 03/12/2008 | 2231902 | 08856596.5 |        |
| 2232562 | Solaroad Electrawall, LLC   | 26/11/2008 | 2232562 | 08853799.8 |        |
| 2233226 | Kao Corporation   | 15/01/2009 | 2233226 | 09703390.6 |        |
| 2233346 | Aisin Seiki Kabushiki Kaisha  | 04/03/2010 | 2233346 | 10155504.3 |        |
| 2234386 | Konica Minolta Business Technologies,<br>Inc.   | 02/03/2010 | 2234386 | 10155123.2 |        |
| 2237094 | Ricoh Company, Ltd.   | 29/03/2010 | 2237094 | 10158147.8 |        |
| 2237551 | CASIO COMPUTER CO., LTD.  | 24/03/2010 | 2237551 | 10157447.3 |        |
| 2238232 | California Institute of Technology<br>UNIVERSITY OF SOUTHERN<br>CALIFORNIA  | 26/01/2009 | 2238232 | 09706188.1 |        |
| 2238334 | Renault s.a.s.  | 02/02/2009 | 2238334 | 09710876.5 | French |
| 2238783 | Telefonaktiebolaget LM Ericsson (publ)  | 05/05/2008 | 2238783 | 08767122.8 |        |
| 2240749 | Elta Systems Ltd.   | 23/01/2008 | 2240749 | 08702686.0 |        |
| 2242937 | Aktiebolaget SKF  | 17/12/2008 | 2242937 | 08870784.9 |        |
| 2244765 | DEKA Products Limited Partnership   | 31/12/2008 | 2244765 | 08869699.2 |        |
| 2246477 | ArcelorMittal Commercial RPS S.à r.l.   | 19/12/2006 | 2246477 | 10170446.8 |        |
| 2250720 | Milwaukee Electric Tool Corporation   | 06/03/2009 | 2250720 | 09717382.7 |        |
| 2254209 | ABB Schweiz AG  | 18/01/2010 | 2254209 | 10000428.2 | German |
| 2256800 | Mitsubishi Electric Corporation   | 05/03/2009 | 2256800 | 09722246.7 |        |
| 2257739 | General Electric Technology GmbH  | 03/03/2009 | 2257739 | 09719095.3 |        |
| 2257868 | Microsoft Technology Licensing, LLC   | 06/01/2009 | 2257868 | 09708136.8 |        |

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| 2259347 | Cree, Inc.   | 23/05/2002             | 2259347      | 10180148.8 |        |
| 2260422 | Gambro Lundia AB                                     | 02/04/2009             | 2260422      | 09727282.7 |        |
| 2260604 | QUALCOMM Incorporated                                | 27/03/2009             | 2260604      | 09728517.5 |        |
| 2260940 | CHIYODA CORPORATION                                  | 04/06/2008             | 2260940      | 08765411.7 |        |
| 2265125 | SARcode Bioscience Inc.                              | 15/04/2009             | 2265125      | 09733509.5 |        |
| 2267681 | HERE Global B.V.                                     | 27/05/2010             | 2267681      | 10250986.6 |        |
| 2269010 | Expro Meters, Inc.                                   | 10/04/2009             | 2269010      | 09729801.2 |        |
| 2270118 | Neste Oyj  | 12/12/2006             | 2270118      | 10183204.6 |        |
| 2270379 | The Furukawa Electric Co., Ltd.                      | 09/03/2009             | 2270379      | 09723960.2 |        |
| 2277015 | Expro Meters, Inc.                                   | 13/04/2009             | 2277015      | 09729809.5 |        |
| 2277573 | Lmb Lab med Blutbank Technologie GmbH                | 29/06/2010             | 2277573      | 10167722.7 | German |
| 2280913 | Saint-Gobain Glass France                            | 13/05/2009             | 2280913      | 09761894.6 | French |
| 2281278 | Landmark Graphics Corporation, A Halliburton Company | 05/06/2009             | 2281278      | 09759490.7 |        |
| 2283210 | Centre National de la Recherche Scientifique         | 30/03/2009             | 2283210      | 09754052.0 | French |
| 2283421 | Citrix Systems, Inc.                                 | 20/05/2009             | 2283421      | 09751522.5 |        |
| 2284293 | JX Nippon Mining & Metals Corporation                | 05/06/2009             | 2284293      | 09762433.2 |        |
| 2286391 | Thin Film Electronics ASA                            | 15/05/2009             | 2286391      | 09747739.2 |        |
| 2286465 | E. I. du Pont de Nemours and Company                 | 01/06/2009             | 2286465      | 09759161.4 |        |
| 2289393 | Nihon Kohden Corporation                             | 24/08/2010             | 2289393      | 10173835.9 |        |
| 2289405 | Nihon Kohden Corporation                             | 31/08/2010             | 2289405      | 10174592.5 |        |
| 2289428 | Covidien LP  | 20/02/2009             | 2289428      | 10014285.0 |        |
| 2296173 | GPOWER SEMICONDUCTOR, INC.                           | 04/03/2009             | 2296173      | 09761251.9 |        |
| 2297800 | UDC Ireland Limited                                  | 09/06/2009             | 2297800      | 09761714.6 | German |
| 2299832 | Raisio Nutrition Ltd.                                | 02/06/2009             | 2299832      | 09757675.5 |        |
| 2301708 | Bayerische Motoren Werke Aktiengesellschaft          | 24/08/2010             | 2301708      | 10173786.4 | German |
| 2303190 | Edwards Lifesciences Corporation                     | 19/06/2009             | 2303190      | 09760651.1 |        |
| 2316087 | Microsoft Technology Licensing, LLC                  | 23/06/2009             | 2316087      | 09770878.8 |        |
| 2317491 | Sato Holdings Kabushiki Kaisha                       | 30/10/2008             | 2317491      | 08876781.9 |        |
| 2317747 | ZTE Corporation                                      | 22/12/2008             | 2317747      | 08877235.5 |        |
| 2318989 | Uniloc Luxembourg S.A.                               | 21/08/2009             | 2318989      | 09808854.5 |        |
| 2323269 | Murata Manufacturing Co. Ltd.                        | 28/08/2009             | 2323269      | 09810024.1 |        |
| 2323610 | Ormesa S.R.L.  | 22/05/2009             | 2323610      | 09753827.6 |        |
| 2324144 | Epcm Services Ltd.                                   | 15/09/2009             | 2324144      | 09812581.8 |        |

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| 2326429 | Sno Tek P/L                          | 25/09/2009 | 2326429 | 09816598.8 |        |
| 2326956 | Koninklijke Philips N.V.             | 04/09/2009 | 2326956 | 09787103.2 |        |
| 2329977 | Nissan Motor Manufacturing (UK) Ltd. | 23/11/2010 | 2329977 | 10192256.5 |        |
| 2330348 | Kawasaki Jukogyo Kabushiki Kaisha    | 12/12/2006 | 2330348 | 11158381.1 |        |
| 2332145 | QUALCOMM Incorporated                | 24/08/2009 | 2332145 | 09791840.3 |        |
| 2332686 | Nippon Steel Corporation             | 19/08/2009 | 2332686 | 09809912.0 |        |
| 2335845 | United Technologies Corporation      | 06/12/2010 | 2335845 | 10193843.9 |        |
| 2336026 | General Electric Company             | 17/12/2010 | 2336026 | 10195753.8 |        |
| 2345270 | Nokia Technologies Oy                | 09/10/2009 | 2345270 | 09818860.0 |        |
| 2346797 | Autoliv ASP, Inc.                    | 27/10/2009 | 2346797 | 09826541.6 |        |
| 2346801 | 3M Innovative Properties Company     | 30/09/2009 | 2346801 | 09793174.5 |        |
| 2347512 | Craven, Peter G.<br>Law, Malcolm     | 11/09/2009 | 2347512 | 09785098.6 |        |
| 2348322 | SYSMEX CORPORATION                   | 19/01/2011 | 2348322 | 11151366.9 |        |
| 2348758 | Starkey Laboratories, Inc.           | 15/10/2010 | 2348758 | 10251804.0 |        |
| 2349696 | Essilor International                | 02/11/2009 | 2349696 | 09748640.1 |        |
| 2350583 | Novadaq Technologies ULC             | 06/10/2009 | 2350583 | 09819758.5 |        |
| 2352227 | Daishinku Corporation                | 18/09/2009 | 2352227 | 09816129.2 |        |
| 2352528 | The Procter & Gamble Company         | 11/11/2009 | 2352528 | 09760658.6 |        |
| 2352647 | Xaar Technology Limited              | 12/11/2009 | 2352647 | 09771757.3 |        |
| 2353524 | Covidien LP                          | 14/12/2010 | 2353524 | 10252112.7 |        |
| 2356513 | Miraclon Corporation                 | 07/12/2009 | 2356513 | 09799201.0 |        |
| 2356577 | Amazon Technologies, Inc.            | 17/11/2009 | 2356577 | 09826977.2 |        |
| 2357115 | WABCO GmbH                           | 27/11/2010 | 2357115 | 10015060.6 | German |
| 2359520 | Intrinsic ID B.V.                    | 17/11/2009 | 2359520 | 09755894.4 |        |
| 2359809 | Novartis AG                          | 20/12/2006 | 2359809 | 10175382.0 |        |
| 2360615 | Hitachi, Ltd.                        | 04/09/2009 | 2360615 | 09833097.0 |        |
| 2363319 | Honda Motor Co., Ltd.                | 14/01/2011 | 2363319 | 11150975.8 |        |
| 2366812 | JFE Steel Corporation                | 22/04/2009 | 2366812 | 09833249.7 |        |
| 2367130 | Samsung Electronics Co., Ltd.        | 18/01/2011 | 2367130 | 11151317.2 |        |
| 2367244 | Weidmüller Interface GmbH & Co. KG   | 19/01/2011 | 2367244 | 11151355.2 | German |
| 2367698 | Tata Motors Limited                  | 20/11/2009 | 2367698 | 09828734.5 |        |
| 2368491 | General Electric Company             | 17/03/2011 | 2368491 | 11158714.3 |        |
| 2369648 | LG Innotek Co., Ltd.                 | 24/03/2011 | 2369648 | 11159630.0 |        |
| 2372585 | Sumitomo Rubber Industries, Ltd.     | 16/12/2010 | 2372585 | 10015740.3 |        |
| 2373364 | Sanofi-Aventis Deutschland GmbH      | 01/12/2009 | 2373364 | 09775143.2 |        |
| 2373517 | Seating Design & Development Limited | 05/01/2010 | 2373517 | 10701394.8 |        |
| 2374501 | Second Sight Medical Products, Inc.  | 27/04/2007 | 2374501 | 11172761.6 |        |

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| 2376003 | Slater, Charles R.  | 15/12/2009             | 2376003      | 09835579.5 |        |
| 2377154 | Silex Microsystems AB   | 23/12/2009             | 2377154      | 09835356.8 |        |
| 2377474 | Fujifilm Corporation  | 13/04/2011             | 2377474      | 11162151.2 |        |
| 2380621 | Northgate Technologies Inc.   | 22/04/2002             | 2380621      | 11002879.2 |        |
| 2381228 | VEGA Grieshaber KG  | 20/04/2010             | 2381228      | 10004155.7 | German |
| 2381901 | W.L. Gore & Associates, Inc.  | 19/01/2010             | 2381901      | 10702773.2 |        |
| 2382062 | Refractory Intellectual Property GmbH<br>& Co. KG                       | 21/01/2009             | 2382062      | 09784522.6 |        |
| 2382419 | GHT Global Heating Technologies AG                                      | 28/12/2009             | 2382419      | 09835400.4 |        |
| 2383371 | Toyo Aluminium Kabushiki Kaisha   | 28/01/2009             | 2383371      | 09839153.5 |        |
| 2386084 | Micron Technology, Inc.   | 12/01/2010             | 2386084      | 10729673.3 |        |
| 2387526 | Boomerang Systems, Inc.   | 15/01/2010             | 2387526      | 10732186.1 |        |
| 2389602 | Chevron U.S.A., Inc.  | 20/01/2010             | 2389602      | 10738919.9 |        |
| 2390235 | Holzer, André<br>Menard, Paul<br>Millett, Thomas<br>Kohleick, Reinhard  | 31/05/2010             | 2390235      | 10164517.4 |        |
| 2390306 | Infineum International Limited  | 15/11/2010             | 2390306      | 10191164.2 |        |
| 2390428 | Ningbo Bosheng Plumbing Co., Ltd  | 31/12/2009             | 2390428      | 09838686.5 |        |
| 2392314 | Kokyu Alcohol Kogyo Co., Ltd.   | 30/01/2009             | 2392314      | 09839194.9 |        |
| 2394791 | SIMPSON STRONG-TIE CO., INC   | 07/11/2003             | 2394791      | 11165368.9 |        |
| 2396973 | Fraunhofer-Gesellschaft zur Förderung<br>der angewandten Forschung e.V. | 04/02/2010             | 2396973      | 10702679.1 | German |
| 2397833 | AIP GmbH & Co. KG   | 17/06/2011             | 2397833      | 11170385.6 | German |
| 2398080 | Tridonic Jennersdorf GmbH   | 09/06/2004             | 2398080      | 11181590.8 | German |
| 2398985 | Werner Co.  | 01/02/2010             | 2398985      | 10702225.3 |        |
| 2399594 | UCL Business PLC  | 16/03/2006             | 2399594      | 11002652.3 |        |
| 2400911 | MEGADYNE MEDICAL<br>PRODUCTS, INC.                                      | 18/02/2010             | 2400911      | 10746657.5 |        |
| 2400967 | H. Lundbeck A/S   | 26/02/2010             | 2400967      | 10707436.1 |        |
| 2401011 | Lifescan, Inc.  | 27/01/2010             | 2401011      | 10746600.5 |        |
| 2402032 | Toray Industries, Inc.  | 26/02/2010             | 2402032      | 10746311.9 |        |
| 2403353 | Gregg, Kenneth William  | 05/03/2010             | 2403353      | 10706895.9 |        |
| 2403396 | Meimoun, Elie   | 03/03/2010             | 2403396      | 10748411.5 |        |
| 2406873 | ABB Schweiz AG  | 11/03/2009             | 2406873      | 09779136.2 |        |
| 2407277 | INTERCABLE SRL  | 11/07/2011             | 2407277      | 11005640.5 | German |
| 2408952 | Aixtron SE  | 10/03/2010             | 2408952      | 10712028.9 | German |

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| 2409097 | BSH Hausgeräte GmbH  | 19/02/2010 | 2409097 | 10705586.5 | German |
| 2409189 | u2t Photonics AG   | 21/01/2010 | 2409189 | 10706902.3 | German |
| 2409315 | DH Technologies Development Pte.<br>Ltd.   | 12/03/2010 | 2409315 | 10711488.6 |        |
| 2409795 | Nippon Steel Corporation   | 17/03/2009 | 2409795 | 09841838.7 |        |
| 2410957 | Llorens, Steven<br>Marcial, Maria  | 26/03/2010 | 2410957 | 10756932.9 |        |
| 2414809 | 3M Innovative Properties Company   | 22/03/2010 | 2414809 | 10759210.7 |        |
| 2417425 | Endress+Hauser Flowtec AG  | 11/03/2010 | 2417425 | 10709478.1 | German |
| 2418532 | Leica Microsystems CMS GmbH  | 09/06/2011 | 2418532 | 11004719.8 | German |
| 2419836 | Wyse Technology L.L.C.   | 05/04/2010 | 2419836 | 10764912.1 |        |
| 2422156 | Aerovit A/S  | 21/04/2010 | 2422156 | 10721364.7 |        |
| 2423032 | SHIMANO Inc.   | 23/08/2011 | 2423032 | 11178519.2 |        |
| 2424124 | Sharp Kabushiki Kaisha   | 14/04/2010 | 2424124 | 10766991.3 |        |
| 2424422 | Koninklijke Philips N.V.   | 25/03/2010 | 2424422 | 10716885.8 |        |
| 2425551 | Samsung Electronics Co., Ltd.  | 28/04/2010 | 2425551 | 10769941.5 |        |
| 2427533 | Pyrum Innovations International S.A.   | 04/05/2010 | 2427533 | 10723913.9 | German |
| 2427841 | CareFusion 303, Inc.   | 05/05/2010 | 2427841 | 10717436.9 |        |
| 2430787 | Telefonaktiebolaget LM Ericsson (publ)   | 14/05/2010 | 2430787 | 10723341.3 |        |
| 2434095 | United Technologies Corporation  | 27/09/2011 | 2434095 | 11182894.3 |        |
| 2434294 | SYSMEX CORPORATION   | 20/09/2011 | 2434294 | 11181952.0 |        |
| 2434925 | L'Oreal, S.A.  | 24/05/2010 | 2434925 | 10781064.0 |        |
| 2435622 | LG Electronics Inc.  | 28/05/2010 | 2435622 | 10780824.8 |        |
| 2436090 | Ricoh Company Ltd.   | 15/03/2010 | 2436090 | 10780346.2 |        |
| 2436440 | General Electric Company   | 30/09/2011 | 2436440 | 11183640.9 |        |
| 2437671 | Cardiogard Medical Ltd.  | 02/06/2010 | 2437671 | 10732753.8 |        |
| 2437828 | Sanofi-Aventis Deutschland GmbH  | 28/05/2010 | 2437828 | 10722352.1 |        |
| 2439835 | LG Innotek Co., Ltd.   | 10/10/2011 | 2439835 | 11184547.5 |        |
| 2440122 | Bard Access Systems, Inc.  | 14/06/2010 | 2440122 | 10786978.6 |        |
| 2440197 | Sylla-Iy Arreta Veitia, Maite<br>Université Paris-Sud XI<br>Centre National de la Recherche<br>Scientifique (C.N.R.S.) | 08/06/2009 | 2440197 | 09786705.5 |        |
| 2440393 | Technische Universität Dresden   | 04/06/2010 | 2440393 | 10722705.0 | German |
| 2441330 | Deere & Company  | 29/09/2011 | 2441330 | 11183283.8 |        |
| 2443160 | Chevron Phillips Chemical Company<br>LP  | 15/06/2010 | 2443160 | 10728501.7 |        |
| 2444675 | Thermodyn  | 21/10/2011 | 2444675 | 11186054.0 | French |

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| 2446171 | DTI Group B.V.  | 22/06/2010             | 2446171      | 10745445.6 |        |
| 2446555 | Samsung Electronics Co., Ltd.   | 29/03/2010             | 2446555      | 10792252.8 |        |
| 2447100 | Toyota Motor East Japan, Inc.<br>TOYOTA JIDOSHA KABUSHIKI<br>KAISHA         | 14/04/2010             | 2447100      | 10791774.2 |        |
| 2448660 | Doosan Fuel Cell America, Inc.  | 29/06/2009             | 2448660      | 09846922.4 |        |
| 2448800 | Scania CV AB  | 23/06/2010             | 2448800      | 10794455.5 |        |
| 2458308 | LICONIC AG  | 21/11/2011             | 2458308      | 11009208.7 | German |
| 2458804 | Qualcomm Incorporated   | 13/04/2007             | 2458804      | 11164554.5 |        |
| 2460727 | The Boeing Company  | 02/12/2011             | 2460727      | 11191704.3 |        |
| 2461024 | General Electric Company  | 28/11/2011             | 2461024      | 11190871.1 |        |
| 2465247 | Akamai Technologies, Inc.   | 16/08/2010             | 2465247      | 10808871.7 |        |
| 2465638 | HILTI Aktiengesellschaft  | 16/11/2011             | 2465638      | 11189271.7 | German |
| 2465768 | The Boeing Company  | 15/12/2011             | 2465768      | 11193898.1 |        |
| 2468588 | Cap Corporation   | 20/09/2011             | 2468588      | 11182021.3 |        |
| 2469026 | General Electric Company  | 14/12/2011             | 2469026      | 11193398.2 |        |
| 2470107 | Mölnlycke Health Care AB  | 19/08/2010             | 2470107      | 10812398.5 |        |
| 2471027 | Bundesdruckerei GmbH<br>Samsung Display Co., Ltd.                           | 16/08/2010             | 2471027      | 10750079.5 |        |
| 2471643 | KYORAKU CO., LTD.   | 21/12/2011             | 2471643      | 11194807.1 |        |
| 2472122 | Garrett Transportation I Inc.   | 19/12/2011             | 2472122      | 11194403.9 |        |
| 2477819 | Assa Abloy AB   | 17/09/2010             | 2477819      | 10771230.9 |        |
| 2478081 | Air Liquide Global E&C Solutions<br>Germany GmbH                            | 22/06/2010             | 2478081      | 10739841.4 | German |
| 2478246 | Scania CV AB  | 13/09/2010             | 2478246      | 10815707.4 |        |
| 2480427 | Adient Luxembourg Holding S.à r.l.  | 22/09/2010             | 2480427      | 10768704.8 | German |
| 2482015 | REMIS Gesellschaft für Entwicklung<br>und Vertrieb technischer Elemente mbH | 22/12/2011             | 2482015      | 11195317.0 | German |
| 2485639 | Koninklijke Philips N.V.  | 04/10/2010             | 2485639      | 10768581.0 |        |
| 2485887 | S.E.T.  | 30/09/2010             | 2485887      | 10776771.7 | French |
| 2486734 | Sonova AG   | 06/10/2009             | 2486734      | 09765937.9 |        |
| 2488486 | Ligand Pharmaceuticals Inc.   | 12/10/2010             | 2488486      | 10823959.1 |        |
| 2490597 | Beaver-Visitec International (US), Inc.                                     | 25/10/2010             | 2490597      | 10770934.7 |        |
| 2491295 | OSRAM GmbH  | 25/11/2010             | 2491295      | 10784300.5 | German |
| 2493279 | Kitagawa Industries Co., Ltd.   | 22/10/2010             | 2493279      | 10825057.2 |        |
| 2493590 | Stockforsa Invest AB  | 26/10/2010             | 2493590      | 10827241.0 |        |

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| 2495842 | Sony Corporation  | 08/02/2012 | 2495842 | 12154553.7 |        |
| 2496091 | DSM IP Assets B.V.  | 02/11/2010 | 2496091 | 10773309.9 |        |
| 2498222 | Siemens Healthcare GmbH                                   | 09/03/2012 | 2498222 | 12158936.0 |        |
| 2499421 | AKTIEBOKEN 8626 AB  | 09/11/2010 | 2499421 | 10829287.1 |        |
| 2500421 | Randox Laboratories Ltd.                                  | 13/03/2012 | 2500421 | 12159255.4 |        |
| 2501951 | Horton, Inc.  | 15/11/2010 | 2501951 | 10832032.6 |        |
| 2502692 | JTEKT Corporation   | 10/11/2010 | 2502692 | 10829948.8 |        |
| 2503717 | Sharp Kabushiki Kaisha                                    | 03/09/2008 | 2503717 | 12004668.5 |        |
| 2504294 | Akusta Unternehmensberatung                               | 26/11/2010 | 2504294 | 10788015.5 | German |
| 2504870 | Lumileds Holding B.V.                                     | 22/10/2010 | 2504870 | 10779854.8 |        |
| 2505783 | Rolls-Royce Deutschland Ltd & Co KG                       | 27/03/2012 | 2505783 | 12161401.0 | German |
| 2507598 | Safran Aircraft Engines                                   | 22/11/2010 | 2507598 | 10799088.9 | French |
| 2509100 | Viavi Solutions Inc.                                      | 28/09/2011 | 2509100 | 11183181.4 |        |
| 2511554 | Aisin Seiki Kabushiki Kaisha                              | 21/09/2010 | 2511554 | 10835757.5 |        |
| 2514326 | Jose Borrell S.A.   | 18/12/2009 | 2514326 | 09852207.1 |        |
| 2514506 | DONALDSON COMPANY, INC.                                   | 04/02/2008 | 2514506 | 12163105.5 |        |
| 2514572 | KUKA Deutschland GmbH                                     | 30/03/2012 | 2514572 | 12002364.3 | German |
| 2514953 | TOYOTA JIDOSHA KABUSHIKI<br>KAISHA                        | 17/12/2009 | 2514953 | 09852233.7 |        |
| 2515206 | Panasonic Intellectual Property<br>Corporation of America | 02/12/2010 | 2515206 | 10837235.0 |        |
| 2516734 | Valmet Technologies, Inc.                                 | 13/12/2010 | 2516734 | 10839885.0 |        |
| 2516768 | Flooring Industries Limited, SARL                         | 09/12/2010 | 2516768 | 10807668.8 |        |
| 2517140 | Ab Initio Technology LLC                                  | 21/12/2010 | 2517140 | 10809117.4 |        |
| 2518154 | Mitsubishi Chemical Corporation                           | 21/12/2010 | 2518154 | 10839414.9 |        |
| 2518282 | United Technologies Corporation                           | 27/04/2012 | 2518282 | 12166083.1 |        |
| 2518327 | Beijing Deepcool Industries Co. Ltd.                      | 23/02/2010 | 2518327 | 10838529.5 |        |
| 2518730 | NXP B.V.  | 24/04/2012 | 2518730 | 12165304.2 |        |
| 2518894 | JTEKT CORPORATION   | 20/04/2012 | 2518894 | 12164898.4 |        |
| 2521806 | Osram Opto Semiconductors GmbH                            | 14/06/2011 | 2521806 | 11733814.5 | German |
| 2522455 | Hirata Corporation  | 02/05/2012 | 2522455 | 12166448.6 |        |
| 2522483 | Krones AG   | 09/05/2012 | 2522483 | 12167261.2 | German |
| 2524466 | Qualcomm Incorporated                                     | 12/01/2011 | 2524466 | 11700604.9 |        |
| 2524770 | HILTI Aktiengesellschaft                                  | 17/04/2012 | 2524770 | 12164425.6 | German |
| 2526481 | Alibaba Group Holding Limited                             | 21/01/2011 | 2526481 | 11734964.7 |        |
| 2526572 | LG Innotek Co., Ltd.                                      | 23/12/2010 | 2526572 | 10844065.2 |        |
| 2526962 | CSL Behring GmbH  | 11/02/2008 | 2526962 | 12175363.6 |        |
| 2529330 | Paycool International Ltd.                                | 26/01/2011 | 2529330 | 11714343.8 | French |

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| 2530645 | Fujitsu Limited   | 28/01/2010             | 2530645      | 10844590.9 |        |
| 2530779 | Japan Carlit Co., Ltd.<br>Sumitomo Seika Chemicals Co., Ltd.              | 25/01/2011             | 2530779      | 11736966.0 |        |
| 2531756 | ASCO SAS  | 31/01/2011             | 2531756      | 11705269.6 | French |
| 2533989 | Jaguar Land Rover Limited   | 10/02/2011             | 2533989      | 11702654.2 |        |
| 2537038 | Rohde & Schwarz GmbH & Co. KG   | 12/01/2011             | 2537038      | 11700611.4 | German |
| 2537564 | Lorentz II, Robert, A.  | 30/03/2012             | 2537564      | 12002359.3 |        |
| 2537624 | Kabushiki Kaisha Toshiba  | 22/06/2012             | 2537624      | 12173084.0 |        |
| 2538347 | IQser IP AG   | 20/11/2004             | 2538347      | 10011351.3 | German |
| 2541995 | NXP USA, Inc.   | 25/06/2012             | 2541995      | 12004738.6 |        |
| 2544701 | University of Utah Research<br>Foundation                                 | 07/03/2011             | 2544701      | 11753858.7 |        |
| 2545148 | The Lubrizol Corporation  | 28/02/2011             | 2545148      | 11707048.2 |        |
| 2545199 | EPG (Engineered nanoProducts<br>Germany) AG                               | 11/03/2011             | 2545199      | 11713202.7 | German |
| 2546118 | TOYOTA JIDOSHA KABUSHIKI<br>KAISHA  | 11/03/2011             | 2546118      | 11753498.2 |        |
| 2546817 | Fukuoka Institute Of Technology<br>UD Trucks Corporation                  | 09/03/2011             | 2546817      | 11753408.1 |        |
| 2547378 | Fresenius Medical Care Deutschland<br>GmbH                                | 15/03/2011             | 2547378      | 11708845.0 | German |
| 2547993 | B-SENS  | 14/03/2011             | 2547993      | 11708827.8 |        |
| 2548097 | Universal Electronics Inc.  | 24/02/2011             | 2548097      | 11756706.5 |        |
| 2548103 | Sony Mobile Communications AB   | 17/02/2011             | 2548103      | 11712673.0 |        |
| 2548351 | Ofidium Pty Ltd   | 17/03/2011             | 2548351      | 11755557.3 |        |
| 2548799 | Mitsubishi Heavy Industries, Ltd.   | 16/03/2011             | 2548799      | 11756348.6 |        |
| 2549268 | JTEKT Corporation   | 08/03/2011             | 2549268      | 11756134.0 |        |
| 2549992 | The Johns Hopkins University  | 23/03/2011             | 2549992      | 11760152.6 |        |
| 2550539 | GE Energy Power Conversion<br>Technology Limited                          | 23/03/2011             | 2550539      | 11715977.2 | French |
| 2551746 | LG Electronics Inc.   | 09/03/2012             | 2551746      | 12158713.3 |        |
| 2552149 | LG Electronics Inc.   | 24/03/2011             | 2552149      | 11759747.6 |        |
| 2552944 | University Of Southern California<br>Nationwide Children's Hospital, Inc. | 28/03/2011             | 2552944      | 11712739.9 |        |
| 2553439 | Saint-Gobain Glass France   | 28/03/2011             | 2553439      | 11717302.1 | French |
| 2553832 | Telefonaktiebolaget LM Ericsson (publ)                                    | 18/02/2011             | 2553832      | 11712007.1 |        |
| 2554705 | JFE Steel Corporation   | 30/03/2011             | 2554705      | 11762272.0 |        |



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| 2555552 | Sony Corporation  | 21/02/2011 | 2555552 | 11762406.4 |        |
| 2557356 | Nitto Denko Corporation                                       | 06/04/2011 | 2557356 | 11765232.1 |        |
| 2559203 | Qualcomm Incorporated   | 12/04/2011 | 2559203 | 11769470.3 |        |
| 2559217 | Cisco Technology, Inc.  | 14/04/2011 | 2559217 | 11721667.1 |        |
| 2560398 | SK Planet Co., Ltd.   | 08/04/2011 | 2560398 | 11792609.7 |        |
| 2561085 | University of Ottawa<br>National Research Council of Canada   | 20/04/2011 | 2561085 | 11771441.0 |        |
| 2561431 | Nokia Technologies Oy   | 10/05/2011 | 2561431 | 11786213.6 |        |
| 2562434 | NHK Spring Co., Ltd.  | 17/03/2011 | 2562434 | 11771823.9 |        |
| 2562623 | TPK Touch Solutions (Xiamen) Inc.                             | 23/12/2011 | 2562623 | 11195461.6 |        |
| 2564874 | Chongqing Lummy Pharmaceutical Co.,<br>Ltd.                   | 22/04/2011 | 2564874 | 11774359.1 |        |
| 2566045 | Kabushiki Kaisha Toshiba                                      | 28/08/2012 | 2566045 | 12181936.1 |        |
| 2567744 | JAPAN VILENE COMPANY, LTD.                                    | 02/05/2011 | 2567744 | 11777470.3 |        |
| 2571006 | Deutsches Zentrum für Luft- und<br>Raumfahrt e.V.             | 14/09/2012 | 2571006 | 12184469.0 | German |
| 2571118 | NGK Sparkplug Co., Ltd.                                       | 06/05/2011 | 2571118 | 11780365.0 |        |
| 2571323 | LG Electronics Inc.   | 16/05/2011 | 2571323 | 11780858.4 |        |
| 2572006 | TNG Limited   | 05/05/2011 | 2572006 | 11782755.0 |        |
| 2572406 | THALES  | 20/05/2011 | 2572406 | 11727249.2 | French |
| 2574284 | DePuy Mitek, Inc.   | 28/09/2012 | 2574284 | 12186703.0 |        |
| 2575432 | Evolva, Inc.  | 02/06/2011 | 2575432 | 11790428.4 |        |
| 2576435 | IFP Energies nouvelles  | 23/06/2011 | 2576435 | 11743259.1 | French |
| 2577615 | Jaguar Land Rover Limited                                     | 25/05/2011 | 2577615 | 11722400.6 |        |
| 2578970 | LG Electronics Inc.   | 01/10/2012 | 2578970 | 12006834.1 |        |
| 2579658 | ZTE Corporation   | 08/04/2011 | 2579658 | 11789098.8 |        |
| 2579949 | The Procter & Gamble Company                                  | 03/06/2011 | 2579949 | 11725587.7 |        |
| 2580310 | The Yankee Candle Company, Inc.                               | 07/06/2011 | 2580310 | 11793013.1 |        |
| 2580463 | Stanadyne Corporation   | 08/06/2011 | 2580463 | 11792780.6 |        |
| 2582260 | Dashamerica, Inc. D/b/a Pearl Izumi<br>Usa, Inc.              | 17/06/2011 | 2582260 | 11796541.8 |        |
| 2582993 | Litens Automotive Partnership                                 | 15/06/2011 | 2582993 | 11794987.5 |        |
| 2583212 | OneSpan International GmbH                                    | 16/06/2011 | 2583212 | 11729812.5 |        |
| 2584286 | Kabushiki Kaisha Kobe Seiko Sho<br>(Kobe Steel, Ltd.)         | 25/03/2011 | 2584286 | 11795319.0 |        |
| 2585137 | Sanofi-Aventis Deutschland GmbH                               | 27/06/2011 | 2585137 | 11727480.3 |        |
| 2585253 | Puchegger u. Jilg Parkett Groß u.<br>Einzelhandels Ges.m.b.H. | 23/06/2010 | 2585253 | 10732250.5 | German |

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| 2586533 | Flottweg SE   | 28/10/2011             | 2586533      | 11008664.2 | German |
| 2586548 | Ansaldo Energia IP UK Limited   | 25/10/2012             | 2586548      | 12190011.2 |        |
| 2587182 | Fraunhofer-Gesellschaft zur Förderung<br>der angewandten Forschung e.V.               | 29/10/2012             | 2587182      | 12190358.7 | German |
| 2587663 | LSIS Co., Ltd.  | 01/10/2012             | 2587663      | 12186763.4 |        |
| 2588131 | Shire Human Genetic Therapies, Inc.   | 25/06/2011             | 2588131      | 11799034.1 |        |
| 2589214 | GE Healthcare Bio-Sciences Corp.  | 29/06/2011             | 2589214      | 11801247.5 |        |
| 2590838 | Bonetti S.r.l.  | 06/07/2011             | 2590838      | 11743368.0 |        |
| 2591040 | Perstorp AB   | 27/06/2011             | 2591040      | 11803877.7 |        |
| 2592223 | Shell Internationale Research<br>Maatschappij B.V.                                    | 11/04/2011             | 2592223      | 12187630.4 |        |
| 2592618 | Sony Corporation  | 02/11/2012             | 2592618      | 12191148.1 |        |
| 2594474 | Samsung Heavy Industries Co., Ltd.  | 08/07/2011             | 2594474      | 11806999.6 |        |
| 2595065 | Kairos Future Group AB  | 15/11/2011             | 2595065      | 11189099.2 |        |
| 2595376 | Rovi Guides, Inc.   | 17/12/2007             | 2595376      | 13151944.9 |        |
| 2595442 | Sony Mobile Communications AB   | 07/10/2010             | 2595442      | 13000796.6 |        |
| 2597320 | Hunan Sany Intelligent Control<br>Equipment Co., Ltd<br>Sany Heavy Industry Co., Ltd. | 21/06/2011             | 2597320      | 11809221.2 |        |
| 2597446 | DIAM BOUCHAGE   | 22/11/2012             | 2597446      | 12193876.5 | French |
| 2599521 | Medtronic, Inc.   | 15/02/2006             | 2599521      | 13154698.8 |        |
| 2601886 | Taiyo Nippon Sanso Corporation  | 27/11/2012             | 2601886      | 12194423.5 |        |
| 2603636 | Stora Enso Oyj  | 05/07/2011             | 2603636      | 11816159.5 |        |
| 2604145 | Colgate-Palmolive Company   | 14/10/2006             | 2604145      | 13157074.9 |        |
| 2605527 | DISH Technologies L.L.C.  | 29/11/2012             | 2605527      | 12194873.1 |        |
| 2611954 | Complete Genomics, Inc.   | 31/08/2011             | 2611954      | 11822596.0 |        |
| 2613035 | United Technologies Corporation   | 07/01/2013             | 2613035      | 13150400.3 |        |
| 2613351 | TOYOTA JIDOSHA KABUSHIKI<br>KAISHA  | 02/09/2010             | 2613351      | 10856715.7 |        |
| 2613393 | Centurion Bipolair B.V.   | 04/01/2012             | 2613393      | 12150176.1 |        |
| 2613602 | Samsung Electronics Co., Ltd.   | 04/05/2011             | 2613602      | 13161967.8 |        |
| 2614632 | British Telecommunications public<br>limited company                                  | 09/09/2011             | 2614632      | 11758540.6 |        |
| 2615501 | Ricoh Company, Ltd.   | 18/12/2012             | 2615501      | 12197771.4 |        |
| 2615805 | LG Electronics, Inc.  | 21/12/2012             | 2615805      | 12199136.8 |        |
| 2618019 | Dadco, Inc.   | 07/01/2013             | 2618019      | 13150385.6 |        |

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| 2618581 | LG Electronics Inc.                               | 27/11/2012 | 2618581 | 12007970.2 |        |
| 2618771 | Semperit Aktiengesellschaft Holding               | 20/09/2011 | 2618771 | 11810991.7 | German |
| 2621193 | Dr. Johannes Heidenhain GmbH                      | 26/10/2012 | 2621193 | 12190110.2 | German |
| 2621481 | Exelixis, Inc.                                    | 26/09/2011 | 2621481 | 11764655.4 |        |
| 2623789 | Daikin Industries, Ltd.                           | 29/09/2011 | 2623789 | 11828457.9 |        |
| 2624570 | Sony Corporation                                  | 25/03/2010 | 2624570 | 13163141.8 |        |
| 2624956 | Diagnostica Stago                                 | 04/10/2011 | 2624956 | 11779791.0 | French |
| 2625487 | KLA-Tencor Corporation                            | 06/10/2011 | 2625487 | 11831632.2 |        |
| 2625759 | City University of Hong Kong<br>Versitech Limited | 30/09/2011 | 2625759 | 11830187.8 |        |
| 2625874 | Samsung Electronics Co., Ltd.                     | 10/10/2011 | 2625874 | 11830962.4 |        |
| 2625969 | Novaplot Enterprises Ltd.                         | 05/03/2012 | 2625969 | 12158091.4 |        |
| 2626226 | AISIN SEIKI KABUSHIKI KAISHA                      | 08/02/2013 | 2626226 | 13154568.3 |        |
| 2627286 | Synthes GmbH                                      | 11/10/2011 | 2627286 | 11776944.8 |        |
| 2627872 | Safran Nacelles                                   | 22/09/2011 | 2627872 | 11771253.9 | French |
| 2629140 | Hoya Corporation                                  | 15/02/2013 | 2629140 | 13155407.3 |        |
| 2631128 | NISSAN MOTOR CO., LTD.                            | 30/09/2011 | 2631128 | 11834179.1 |        |
| 2631458 | Yanmar Co., Ltd.                                  | 20/10/2011 | 2631458 | 11834425.8 |        |
| 2631837 | Bundesdruckerei GmbH                              | 24/01/2013 | 2631837 | 13152581.8 | German |
| 2631971 | GS Yuasa International Ltd.                       | 21/02/2013 | 2631971 | 13156067.4 |        |
| 2632183 | ZTE Corporation                                   | 03/11/2011 | 2632183 | 11842283.1 |        |
| 2632325 | Medtronic, Inc.                                   | 29/04/2011 | 2632325 | 11718867.2 |        |
| 2633229 | Cree, Inc.  | 12/10/2011 | 2633229 | 11778731.7 |        |
| 2633369 | Canon Kabushiki Kaisha                            | 25/10/2011 | 2633369 | 11836481.9 |        |
| 2633460 | Trimble Inc.                                      | 27/09/2011 | 2633460 | 11838406.4 |        |
| 2635016 | Kyocera Document Solutions Inc.                   | 28/02/2013 | 2635016 | 13157174.7 |        |
| 2635743 | Vossloh-Werke GmbH                                | 17/10/2011 | 2635743 | 11776140.3 | German |
| 2636003 | Koninklijke Philips N.V.                          | 24/10/2011 | 2636003 | 11785483.6 |        |
| 2636186 | Cummings, Mark                                    | 07/11/2011 | 2636186 | 11838367.8 |        |
| 2636206 | Qualcomm Incorporated                             | 19/09/2011 | 2636206 | 11764041.7 |        |
| 2637081 | BlackBerry Limited                                | 25/06/2012 | 2637081 | 12173431.3 |        |
| 2637246 | Mitsubishi Electric Corporation                   | 05/11/2010 | 2637246 | 10859272.6 |        |
| 2638566 | KLA-Tencor Corporation                            | 08/11/2011 | 2638566 | 11840429.2 |        |
| 2639432 | IHI Corporation                                   | 08/11/2011 | 2639432 | 11839234.9 |        |
| 2639587 | HITACHI HIGH-TECHNOLOGIES<br>CORPORATION          | 27/10/2011 | 2639587 | 11840550.5 |        |
| 2639994 | Samsung Electronics Co., Ltd.                     | 12/03/2013 | 2639994 | 13158746.1 |        |
| 2640671 | BL Technologies, Inc.                             | 18/11/2010 | 2640671 | 10859776.6 |        |

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| 2641172 | Google LLC  | 18/11/2011             | 2641172      | 11840968.9 |        |
| 2641424 | Google LLC  | 16/11/2011             | 2641424      | 11840815.2 |        |
| 2641964 | Green Chemicals Co., Ltd.                                     | 17/11/2011             | 2641964      | 11842421.7 |        |
| 2642023 | Sanko Tekstil Isletmeleri San. Ve Tic.<br>A.S.                | 23/03/2012             | 2642023      | 12002060.7 |        |
| 2643769 | DISH Technologies L.L.C.                                      | 09/11/2011             | 2643769      | 11842890.3 |        |
| 2644930 | Vibracoustic GmbH   | 01/02/2013             | 2644930      | 13000534.1 | German |
| 2645215 | Siemens Aktiengesellschaft                                    | 28/03/2012             | 2645215      | 12161839.1 | German |
| 2645786 | China Mobile Communications<br>Corporation                    | 20/10/2011             | 2645786      | 11842593.3 |        |
| 2647234 | Qualcomm Incorporated   | 17/11/2011             | 2647234      | 11802812.5 |        |
| 2647668 | Adeka Corporation   | 28/11/2011             | 2647668      | 11845701.9 |        |
| 2648336 | Telefonaktiebolaget LM Ericsson (publ)                        | 05/04/2012             | 2648336      | 12305406.6 |        |
| 2648529 | Mars Incorporated   | 17/11/2011             | 2648529      | 11788048.4 |        |
| 2649146 | S.P.C.M. SA   | 08/12/2011             | 2649146      | 11811046.9 | French |
| 2649697 | Hayward Industries, Inc.                                      | 09/12/2011             | 2649697      | 11847650.6 |        |
| 2649926 | Coloplast A/S   | 17/03/2013             | 2649926      | 13159654.6 |        |
| 2652118 | Rosemount Analytical Inc.                                     | 15/12/2011             | 2652118      | 11813479.0 |        |
| 2652173 | Electronics for Imaging, Inc.                                 | 15/12/2011             | 2652173      | 11848834.5 |        |
| 2652406 | BSH Hausgeräte GmbH   | 12/12/2011             | 2652406      | 11802025.4 | German |
| 2652739 | Crocus Technology Inc.  | 12/12/2011             | 2652739      | 11849075.4 |        |
| 2652874 | Qualcomm Incorporated   | 14/12/2011             | 2652874      | 11813844.5 |        |
| 2653812 | LG Electronics Inc.   | 17/04/2013             | 2653812      | 13164054.2 |        |
| 2654108 | Eliiy Power Co., Ltd.<br>Sumitomo Osaka Cement Co., Ltd.      | 14/12/2011             | 2654108      | 11848054.0 |        |
| 2654679 | L'Oréal   | 07/12/2011             | 2654679      | 11794132.8 |        |
| 2657492 | Doosan Infracore Co., Ltd.                                    | 21/12/2011             | 2657492      | 11850744.1 |        |
| 2657686 | Brodmann Technologies GmbH                                    | 26/04/2012             | 2657686      | 12165720.9 | German |
| 2658243 | CANON KABUSHIKI KAISHA  | 24/04/2013             | 2658243      | 13165192.9 |        |
| 2659753 | InterDigital Madison Patent Holdings                          | 31/12/2010             | 2659753      | 10861303.5 |        |
| 2661067 | NEC Corporation   | 31/10/2011             | 2661067      | 11853844.6 |        |
| 2661123 | Huawei Technologies Co., Ltd.                                 | 19/01/2011             | 2661123      | 11855931.9 |        |
| 2661400 | The Gillette Company LLC                                      | 05/01/2012             | 2661400      | 12701033.8 |        |
| 2661512 | Gomes, Guilherme Santana Lopes<br>Dos Santos, Victor Loureiro | 30/12/2011             | 2661512      | 11815783.3 |        |
| 2661805 | Enphase Energy, Inc.  | 03/01/2012             | 2661805      | 12732454.9 |        |
| 2661855 | Vestas Wind Systems A/S                                       | 19/12/2011             | 2661855      | 11807635.5 |        |

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| 2662194 | INCOE INTERNATIONAL, INC.                                     | 12/04/2013 | 2662194 | 13001902.9 | German |
| 2662478 | Dipsol Chemicals Co., Ltd.                                    | 04/01/2012 | 2662478 | 12732441.6 |        |
| 2662727 | MITSUBISHI GAS CHEMICAL<br>COMPANY, INC.                      | 26/12/2005 | 2662727 | 13179676.5 |        |
| 2664189 | HFI Innovation Inc.   | 18/01/2013 | 2664189 | 13738699.1 |        |
| 2664337 | TissueTech, Inc.  | 27/09/2006 | 2664337 | 13163155.8 |        |
| 2664885 | FCT Anlagenbau GmbH   | 08/05/2013 | 2664885 | 13167039.0 | German |
| 2666824 | Dow Corning Toray Co., Ltd.                                   | 12/01/2012 | 2666824 | 12736160.8 |        |
| 2667549 | Canon Kabushiki Kaisha  | 17/05/2013 | 2667549 | 13168184.3 |        |
| 2668577 | Micron Technology, Inc.                                       | 24/01/2012 | 2668577 | 12739652.1 |        |
| 2668968 | Covidien LP   | 31/05/2013 | 2668968 | 13169985.2 |        |
| 2668972 | Pressure Products Medical Supplies,<br>Inc.                   | 16/10/2008 | 2668972 | 13174919.4 |        |
| 2669578 | NGK Spark Plug Co., Ltd.                                      | 16/01/2012 | 2669578 | 12739873.3 |        |
| 2669876 | NIKE Innovate C.V.  | 19/04/2007 | 2669876 | 13174154.8 |        |
| 2670002 | Weidmüller Interface GmbH & Co. KG                            | 17/05/2013 | 2670002 | 13168231.2 | German |
| 2671797 | Simmonds Precision Products, Inc.                             | 06/06/2013 | 2671797 | 13170926.3 |        |
| 2673458 | Saudi Arabian Oil Company                                     | 06/02/2012 | 2673458 | 12703676.2 |        |
| 2673539 | Victrex Manufacturing Limited                                 | 07/02/2012 | 2673539 | 12704534.2 |        |
| 2674820 | Honeywell International Inc.                                  | 01/05/2013 | 2674820 | 13166159.7 |        |
| 2674930 | Saturn Licensing LLC  | 22/05/2013 | 2674930 | 13168643.8 |        |
| 2675240 | Huizhou TCL Mobile Communication<br>Co., Ltd.                 | 16/05/2012 | 2675240 | 12728940.3 |        |
| 2675839 | Milliken & Company  | 12/01/2012 | 2675839 | 12702655.7 |        |
| 2676315 | Robert Bosch GmbH   | 16/12/2011 | 2676315 | 11802896.8 | German |
| 2676967 | Biogen MA Inc.  | 28/02/2007 | 2676967 | 13175987.0 |        |
| 2677519 | NTT DOCOMO, INC.  | 16/02/2012 | 2677519 | 12747551.5 |        |
| 2679344 | Stanley Fastening Systems L.P.                                | 25/06/2013 | 2679344 | 13173506.0 |        |
| 2679635 | Mitsubishi Gas Chemical Company,<br>Inc.                      | 22/02/2012 | 2679635 | 12749978.8 |        |
| 2680424 | Toshiba Mitsubishi-Electric Industrial<br>Systems Corporation | 23/02/2011 | 2680424 | 11859035.5 |        |
| 2683207 | Huawei Technologies Co., Ltd.                                 | 29/02/2012 | 2683207 | 12752483.3 |        |
| 2684193 | International Business Machines<br>Corporation                | 24/02/2012 | 2684193 | 12755289.1 |        |
| 2685889 | Koninklijke Philips N.V.                                      | 09/03/2012 | 2685889 | 12712365.1 |        |
| 2685917 | Ethicon Endo-Surgery, Inc.                                    | 13/03/2012 | 2685917 | 12711722.4 |        |
| 2686913 | Robert Bosch GmbH   | 17/02/2012 | 2686913 | 12707057.1 | German |

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| 2687986 | FUJITSU LIMITED   | 29/05/2013             | 2687986      | 13169691.6 |        |
| 2688574 | Centre National de la Recherche<br>Scientifique (C.N.R.S.)  | 23/03/2012             | 2688574      | 12711154.0 | French |
| 2689099 | M-I L.L.C.  | 22/03/2012             | 2689099      | 12714895.5 |        |
| 2689341 | Microsoft Technology Licensing, LLC                         | 11/03/2012             | 2689341      | 12760583.0 |        |
| 2689382 | INVENGO TECHNOLOGIES SARL                                   | 23/03/2012             | 2689382      | 12760994.9 |        |
| 2690323 | Scania CV AB  | 14/06/2010             | 2690323      | 13190013.6 |        |
| 2691042 | Olympus Corporation   | 28/03/2012             | 2691042      | 12763872.4 |        |
| 2692039 | Changs Ascending Enterprise Co., Ltd.                       | 21/02/2012             | 2692039      | 12762898.0 |        |
| 2692211 | Signify Holding B.V.  | 23/03/2012             | 2692211      | 12712763.7 |        |
| 2692711 | MDA Ileri Teknoloji Seramikleri<br>Sanayi Ticaret Ltd. STi. | 26/07/2013             | 2692711      | 13178177.5 |        |
| 2693676 | LG Electronics, Inc.  | 07/02/2007             | 2693676      | 13190899.8 |        |
| 2694276 | Airbus Operations GmbH                                      | 03/04/2012             | 2694276      | 12715342.7 |        |
| 2695407 | Qualcomm Incorporated                                       | 06/04/2012             | 2695407      | 12715524.0 |        |
| 2695953 | Hitachi Metals, Ltd.  | 19/12/2011             | 2695953      | 11862742.1 |        |
| 2698146 | Sanovel Ilac Sanayi ve Ticaret A.S.                         | 16/08/2013             | 2698146      | 13180688.7 |        |
| 2698811 | Fujiibo Holdings, Inc.                                      | 16/04/2012             | 2698811      | 12772052.2 |        |
| 2698819 | Mitsubishi Electric Corporation                             | 31/01/2012             | 2698819      | 12771789.0 |        |
| 2700379 | Covidien LP   | 21/08/2013             | 2700379      | 13181217.4 |        |
| 2700622 | Tokuyama Corporation  | 17/04/2012             | 2700622      | 12773761.7 |        |
| 2700840 | Sumitomo Riko Company Limited                               | 01/02/2013             | 2700840      | 13764956.2 |        |
| 2700907 | Sony Corporation  | 22/08/2013             | 2700907      | 13181376.8 |        |
| 2702386 | Hamilton Bonaduz AG   | 29/04/2012             | 2702386      | 12718190.7 | German |
| 2702673 | Tridonic GmbH & Co. KG                                      | 27/04/2012             | 2702673      | 12717703.8 |        |
| 2704470 | Hytera Communications Corp., Ltd.                           | 27/04/2011             | 2704470      | 11864214.9 |        |
| 2707381 | Exosome Diagnostics, Inc.                                   | 11/05/2012             | 2707381      | 12782575.0 |        |
| 2707419 | The Regents of the University of<br>California              | 14/05/2012             | 2707419      | 12786464.3 |        |
| 2708327 | Hohmann, Jörg<br>Hohmann, Frank                             | 06/09/2013             | 2708327      | 13183302.2 | German |
| 2708459 | Yamaha Hatsudoki Kabushiki Kaisha                           | 09/05/2012             | 2708459      | 12782844.0 |        |
| 2709761 | DiaSorin S.p.A.   | 18/05/2012             | 2709761      | 12724481.2 |        |
| 2709790 | Safran Aircraft Engines                                     | 15/05/2012             | 2709790      | 12728685.4 | French |
| 2710416 | Giesecke+Devrient Currency<br>Technology GmbH               | 10/05/2012             | 2710416      | 12720431.1 | German |
| 2711591 | Isuzu Motors, Ltd.  | 10/05/2012             | 2711591      | 12784872.9 |        |
| 2713597 | Fujifilm Corporation  | 20/09/2013             | 2713597      | 13185388.9 |        |

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|---------|---|------------|---------|------------|--------|
| 2713971 | Smith & Nephew, Inc.  | 23/05/2012 | 2713971 | 12789546.4 |        |
| 2715424 | Yazaki Corporation  | 30/05/2012 | 2715424 | 12737617.6 |        |
| 2716747 | Henkel AG & Co. KGaA  | 25/09/2013 | 2716747 | 13185863.1 | German |
| 2717316 | IMEC VZW  | 05/10/2012 | 2717316 | 12187332.7 |        |
| 2717460 | Hitachi Automotive Systems, Ltd.                                      | 22/05/2012 | 2717460 | 12792846.3 |        |
| 2717531 | LG Electronics Inc.   | 24/05/2012 | 2717531 | 12790352.4 |        |
| 2717820 | The Procter & Gamble Company  | 08/06/2012 | 2717820 | 12727751.5 |        |
| 2718016 | Umicore AG & Co. KG   | 04/06/2012 | 2718016 | 12725437.3 |        |
| 2718371 | Solvay Specialty Polymers USA, LLC.                                   | 08/06/2012 | 2718371 | 12729425.4 |        |
| 2718377 | Latexfalt B.V.  | 07/06/2012 | 2718377 | 12730677.7 |        |
| 2718969 | MORGAN/WEISS TECHNOLOGIES,<br>INC.                                    | 30/03/2012 | 2718969 | 12806330.2 |        |
| 2719199 | Cochlear Limited  | 08/06/2012 | 2719199 | 12796080.5 |        |
| 2719670 | Corning Incorporated  | 12/10/2012 | 2719670 | 12306268.9 |        |
| 2720900 | Audi AG<br>Volkswagen AG  | 26/05/2012 | 2720900 | 12724083.6 | German |
| 2721205 | Picanol   | 06/06/2012 | 2721205 | 12725819.2 |        |
| 2721535 | Microsoft Technology Licensing, LLC                                   | 05/06/2012 | 2721535 | 12800931.3 |        |
| 2721702 | ABB Research Ltd.   | 20/06/2011 | 2721702 | 11728805.0 |        |
| 2722022 | K2M, Inc.   | 22/10/2013 | 2722022 | 13189692.0 |        |
| 2722077 | Fogmaker International AB   | 17/10/2012 | 2722077 | 12188871.3 |        |
| 2722175 | Goss International Americas, Inc.                                     | 07/10/2013 | 2722175 | 13187471.1 |        |
| 2723348 | Leighton, Anton   | 19/06/2012 | 2723348 | 12802076.5 |        |
| 2723458 | Rehabit-Tec Ltd.  | 21/06/2012 | 2723458 | 12802506.1 |        |
| 2723503 | Kelda Showers Limited   | 21/06/2012 | 2723503 | 12753543.3 |        |
| 2723743 | TriOptoTec GmbH   | 22/06/2012 | 2723743 | 12735235.9 | German |
| 2724116 | Hexagon Technology Center GmbH  | 25/06/2012 | 2724116 | 12729621.8 | German |
| 2724508 | Telefonaktiebolaget LM Ericsson (publ)                                | 06/06/2012 | 2724508 | 12730042.4 |        |
| 2725666 | Shum, Henry<br>Inskeep, Matthew                                       | 28/02/2013 | 2725666 | 13157190.3 |        |
| 2726819 | TomTom Navigation B.V.  | 29/06/2012 | 2726819 | 12731442.5 |        |
| 2727519 | Oculus Optikgeräte GmbH   | 31/10/2013 | 2727519 | 13191164.6 | German |
| 2728315 | Yokogawa Electric Corporation   | 22/10/2013 | 2728315 | 13189675.5 |        |
| 2728348 | The Boeing Company  | 23/10/2013 | 2728348 | 13189947.8 |        |
| 2729270 | Mauser-Werke Oberndorf<br>Maschinenbau GmbH                           | 04/07/2012 | 2729270 | 12731008.4 | German |
| 2729703 | Embraco Indústria de Compressores e<br>Soluções em Refrigeração Ltda. | 21/06/2012 | 2729703 | 12737698.6 |        |

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| 2730866 | Samsung Electronics Co., Ltd.                                  | 30/10/2013             | 2730866      | 13190819.6 |        |
| 2731187 | Sumitomo Seika Chemicals Co., Ltd.                             | 06/07/2012             | 2731187      | 12807104.0 |        |
| 2733293 | Haas, Wolfgang   | 10/11/2013             | 2733293      | 13192252.8 | German |
| 2733541 | Kyocera Document Solutions Inc.                                | 13/11/2013             | 2733541      | 13192741.0 |        |
| 2733738 | Power Integrations, Inc.                                       | 13/11/2013             | 2733738      | 13192739.4 |        |
| 2735739 | Eisenmann SE   | 24/10/2013             | 2735739      | 13005079.2 | German |
| 2735822 | MITSUBISHI HEAVY INDUSTRIES<br>THERMAL SYSTEMS, LTD.           | 19/11/2013             | 2735822      | 13193505.8 |        |
| 2736129 | Fujikura Ltd.  | 18/07/2012             | 2736129      | 12814806.1 |        |
| 2737798 | Biocont Laboratory, spol. s r.o.                               | 11/11/2013             | 2737798      | 13192329.4 |        |
| 2738434 | The Boeing Company   | 25/11/2013             | 2738434      | 13194194.0 |        |
| 2738631 | SCHNEIDER ELECTRIC<br>AUTOMATION GMBH                          | 08/11/2013             | 2738631      | 13192215.5 | German |
| 2738909 | Panasonic Intellectual Property<br>Management Co., Ltd.        | 01/05/2012             | 2738909      | 12817812.6 |        |
| 2742410 | North Western University                                       | 10/05/2012             | 2742410      | 12781885.4 |        |
| 2742826 | Grass GmbH   | 13/12/2013             | 2742826      | 13005804.3 | German |
| 2743410 | Neoperl GmbH   | 25/11/2011             | 2743410      | 13005956.1 | German |
| 2743870 | Heidelberger Druckmaschinen AG                                 | 18/11/2013             | 2743870      | 13193272.5 | German |
| 2746290 | Domantis Limited   | 04/06/2008             | 2746290      | 13184209.8 |        |
| 2746291 | Domantis Limited   | 04/06/2008             | 2746291      | 13184211.4 |        |
| 2746545 | MAHLE International GmbH                                       | 19/11/2013             | 2746545      | 13193546.2 | German |
| 2747260 | GE Energy Power Conversion GmbH                                | 17/12/2013             | 2747260      | 13197671.4 |        |
| 2747518 | LG Display Co., Ltd.   | 21/11/2013             | 2747518      | 13193774.0 |        |
| 2748870 | Lumileds Holding B.V.  | 01/10/2012             | 2748870      | 12781460.6 |        |
| 2749420 | Goss International Americas, Inc.                              | 18/11/2013             | 2749420      | 13193293.1 |        |
| 2750052 | FUJITSU LIMITED  | 24/10/2013             | 2750052      | 13190051.6 |        |
| 2750559 | Nangala Pty Ltd  | 29/08/2012             | 2750559      | 12828626.7 |        |
| 2750837 | Robert Bosch GmbH  | 31/08/2012             | 2750837      | 12809620.3 | German |
| 2751258 | Lifenet Health   | 02/09/2012             | 2751258      | 12828239.9 |        |
| 2752268 | Astec Co. Ltd.   | 01/09/2011             | 2752268      | 11871383.3 |        |
| 2752531 | VKR Holding A/S  | 07/01/2014             | 2752531      | 14150325.0 |        |
| 2755067 | Fujikura Ltd.<br>Nippon Telegraph And Telephone<br>Corporation | 07/09/2012             | 2755067      | 12830014.2 |        |
| 2755676 | Protege Biomedical, LLC  | 12/09/2012             | 2755676      | 12832223.7 |        |
| 2756589 | Siemens Aktiengesellschaft                                     | 24/10/2011             | 2756589      | 11788387.6 | German |
| 2757013 | Volvo Car Corporation  | 21/01/2013             | 2757013      | 13151987.8 |        |



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|---------|---|------------|---------|------------|--------|
| 2757104 | Merck Sharp & Dohme Corp.                                   | 09/10/2009 | 2757104 | 14159112.3 |        |
| 2757792 | Apple Inc.  | 10/06/2004 | 2757792 | 14156027.6 |        |
| 2760109 | IHI Corporation   | 26/11/2012 | 2760109 | 12851287.8 |        |
| 2761054 | Arkema, Inc.  | 13/09/2012 | 2761054 | 12836663.0 |        |
| 2761058 | Oerlikon Surface Solutions AG,<br>Pfäffikon                 | 19/09/2012 | 2761058 | 12765998.5 |        |
| 2762105 | TOP-Service für Lingualtechnik GmbH                         | 11/02/2003 | 2762105 | 14164698.4 |        |
| 2762321 | DIC Corporation   | 25/09/2012 | 2762321 | 12837232.3 |        |
| 2762683 | Garrett Transportation I Inc.                               | 17/01/2014 | 2762683 | 14151691.4 |        |
| 2762714 | Rolls-Royce plc   | 17/12/2013 | 2762714 | 13197681.3 |        |
| 2763003 | LG Chem, Ltd.   | 27/09/2012 | 2763003 | 12834824.0 |        |
| 2763051 | Google LLC  | 31/01/2013 | 2763051 | 13153546.0 |        |
| 2764183 | Park Plus Inc.<br>Wastel, Andreas N.                        | 21/12/2012 | 2764183 | 12859744.0 |        |
| 2765003 | Palo Alto Research Center Incorporated<br>Xerox Corporation | 24/01/2014 | 2765003 | 14152422.3 |        |
| 2765373 | LG Electronics Inc.   | 10/01/2014 | 2765373 | 14150760.8 |        |
| 2765381 | Takahashi, Kenzo  | 31/05/2013 | 2765381 | 13770831.9 |        |
| 2765902 | CardioInsight Technologies, Inc.                            | 12/10/2012 | 2765902 | 12839803.9 |        |
| 2766133 | Datwyler Pharma Packaging Belgium<br>NV                     | 11/10/2011 | 2766133 | 11778818.2 | German |
| 2766278 | Valeo Systèmes d'Essuyage                                   | 06/09/2012 | 2766278 | 12755868.2 | French |
| 2768958 | Dicerna Pharmaceuticals, Inc.                               | 18/10/2012 | 2768958 | 12841768.0 |        |
| 2769772 | Samsung Heavy Ind. Co., Ltd.                                | 19/10/2012 | 2769772 | 12841134.5 |        |
| 2770169 | Ford Global Technologies, LLC                               | 14/06/2013 | 2770169 | 13171953.6 | German |
| 2770375 | KYOCERA Document Solutions Inc.                             | 14/02/2014 | 2770375 | 14155257.0 |        |
| 2770439 | BULL SAS  | 20/02/2014 | 2770439 | 14156054.0 | French |
| 2770693 | Assa Abloy AB   | 22/12/2004 | 2770693 | 14167129.7 |        |
| 2771985 | Samsung Electronics Co., Ltd.                               | 25/10/2012 | 2771985 | 12842814.1 |        |
| 2773890 | Terje Håland AS   | 04/07/2012 | 2773890 | 12846650.5 |        |
| 2774151 | Rambus Inc.   | 26/10/2012 | 2774151 | 12845819.7 |        |
| 2775147 | NuAire Limited  | 05/03/2014 | 2775147 | 14157921.9 |        |
| 2775336 | Olympus Corporation   | 28/02/2014 | 2775336 | 14157142.2 |        |
| 2776061 | MedImmune, LLC  | 06/11/2012 | 2776061 | 12848121.5 |        |
| 2777042 | Dolby International AB                                      | 12/11/2012 | 2777042 | 12824688.1 |        |
| 2777149 | Audi AG<br>Conti Temic microelectronic GmbH                 | 02/11/2012 | 2777149 | 12791092.5 | German |
| 2778661 | The Boeing Company  | 07/03/2014 | 2778661 | 14158434.2 |        |

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|---------|---|------------------------|--------------|------------|--------|
| 2778908 | BlackBerry Limited  | 13/03/2013             | 2778908      | 13158910.3 |        |
| 2779126 | Kidde Technologies, Inc.  | 13/03/2014             | 2779126      | 14159540.5 |        |
| 2779130 | Honeywell International Inc.  | 10/03/2014             | 2779130      | 14158686.7 |        |
| 2779239 | The Boeing Company  | 14/02/2014             | 2779239      | 14155244.8 |        |
| 2780184 | Robert Bosch GmbH   | 17/09/2012             | 2780184      | 12766938.0 | German |
| 2780587 | Flowocean AB  | 26/09/2012             | 2780587      | 12848777.4 |        |
| 2780855 | Samsung Electronics Co., Ltd.   | 14/11/2012             | 2780855      | 12849982.9 |        |
| 2780888 | Koninklijke Philips N.V.  | 07/11/2012             | 2780888      | 12801776.1 |        |
| 2781154 | DAINIHON JOCHUGIKU CO., LTD.  | 14/11/2012             | 2781154      | 12850726.6 |        |
| 2781276 | Futaba Industrial Co. Ltd.  | 14/11/2012             | 2781276      | 12850301.8 |        |
| 2784253 | ABB Schweiz AG  | 26/03/2013             | 2784253      | 13161126.1 |        |
| 2785743 | The Brigham and Women's Hospital,<br>Inc.   | 30/11/2012             | 2785743      | 12854214.9 |        |
| 2786459 | Northrop Grumman Systems<br>Corporation   | 14/11/2012             | 2786459      | 12798947.3 |        |
| 2786508 | Huawei Technologies Co., Ltd.   | 03/12/2012             | 2786508      | 12852710.8 |        |
| 2787855 | Footjacks Ltd   | 10/12/2012             | 2787855      | 12806634.7 |        |
| 2788516 | Tata Steel Limited  | 06/12/2012             | 2788516      | 12856259.2 |        |
| 2789027 | Novald GmbH   | 06/12/2012             | 2789027      | 12795480.8 |        |
| 2789754 | INTECH-LES, razvojni center d.o.o.  | 19/03/2014             | 2789754      | 14001010.9 |        |
| 2789996 | VEGA Grieshaber KG  | 10/04/2013             | 2789996      | 13163150.9 | German |
| 2790025 | Fuji Electric Co., Ltd.   | 19/11/2012             | 2790025      | 12850761.3 |        |
| 2790245 | Samsung SDI Co., Ltd.   | 06/12/2013             | 2790245      | 13196066.8 |        |
| 2790738 | The Board of Regents of The University<br>of Texas System<br>Dana-Farber Cancer Institute, Inc. | 14/12/2012             | 2790738      | 12858619.5 |        |
| 2791441 | Electricité de France   | 13/12/2012             | 2791441      | 12813919.3 | French |
| 2791631 | Endress+Hauser SE+Co. KG  | 22/11/2012             | 2791631      | 12801481.8 | German |
| 2791790 | Intel Corporation   | 14/12/2011             | 2791790      | 11877470.2 |        |
| 2793391 | Mitsubishi Electric Corporation   | 15/12/2011             | 2793391      | 11877210.2 |        |
| 2794066 | Shell Internationale Research<br>Maatschappij B.V.  | 17/12/2012             | 2794066      | 12810499.9 |        |
| 2794098 | BASF SE   | 20/12/2012             | 2794098      | 12859360.5 | German |
| 2794650 | Amgen Inc.  | 17/12/2012             | 2794650      | 12808642.8 |        |
| 2794958 | Ge-Hitachi Nuclear Energy Americas<br>LLC   | 04/10/2012             | 2794958      | 12844647.3 |        |
| 2794961 | Ge-Hitachi Nuclear Energy Americas<br>LLC   | 04/10/2012             | 2794961      | 12846804.8 |        |

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| 2795360 | Valeo Schalter und Sensoren GmbH              | 28/11/2012 | 2795360 | 12805960.7 | German |
| 2795910 | Rohde & Schwarz GmbH & Co. KG                 | 20/12/2012 | 2795910 | 12816659.2 | German |
| 2796914 | Canon Kabushiki Kaisha                        | 24/04/2014 | 2796914 | 14165818.7 |        |
| 2797240 | BlackBerry Limited                            | 26/04/2013 | 2797240 | 13165526.8 |        |
| 2798529 | Intel Corporation                             | 28/12/2011 | 2798529 | 11878980.9 |        |
| 2798845 | Microsoft Technology Licensing, LLC           | 13/02/2013 | 2798845 | 13754476.3 |        |
| 2800317 | ZTE Corporation                               | 12/06/2012 | 2800317 | 12862747.8 |        |
| 2800331 | BlackBerry Limited                            | 03/05/2013 | 2800331 | 13166511.9 |        |
| 2801697 | He, Manchao                                   | 06/01/2012 | 2801697 | 12864300.4 |        |
| 2802158 | Sivantos Pte. Ltd.                            | 18/02/2014 | 2802158 | 14155511.0 | German |
| 2803135 | Schneider Toshiba Inverter Europe SAS         | 07/01/2013 | 2803135 | 13700033.7 | French |
| 2803332 | DENTSPLY SIRONA Inc.                          | 22/06/2012 | 2803332 | 14001819.3 |        |
| 2803874 | Aktiebolaget SKF                              | 13/05/2013 | 2803874 | 13167463.2 |        |
| 2804290 | KThepower Inc.                                | 09/01/2013 | 2804290 | 13735991.5 |        |
| 2804592 | South Dakota State University                 | 22/01/2013 | 2804592 | 13738575.3 |        |
| 2804627 | Genocea Biosciences, Inc.                     | 18/01/2013 | 2804627 | 13738798.1 |        |
|         | Children's Medical Center Corporation         |            |         |            |        |
| 2805109 | General Electric Technology GmbH              | 17/01/2013 | 2805109 | 13707441.5 |        |
| 2806259 | Ansaldo Energia Switzerland AG                | 24/05/2013 | 2806259 | 13169171.9 |        |
| 2806782 | Nokia Technologies Oy                         | 26/01/2012 | 2806782 | 12866908.2 |        |
| 2807285 | BSH Hausgeräte GmbH                           | 08/01/2013 | 2807285 | 13700510.4 | German |
| 2807318 | ASSA ABLOY Nederland B.V.                     | 15/01/2013 | 2807318 | 13703895.6 |        |
| 2808440 | FiberLean Technologies Limited                | 30/03/2009 | 2808440 | 14175471.3 |        |
| 2808533 | Delphi Technologies IP Limited                | 29/05/2013 | 2808533 | 13169668.4 |        |
| 2808693 | Volvo Car Corporation                         | 27/05/2013 | 2808693 | 13169324.4 |        |
| 2809222 | NinePoint Medical, Inc.                       | 30/01/2013 | 2809222 | 13704677.7 |        |
| 2809500 | LM WP Patent Holding A/S                      | 31/01/2013 | 2809500 | 13701661.4 |        |
| 2809547 | Volvo Construction Equipment AB               | 02/02/2012 | 2809547 | 12867487.6 |        |
| 2809705 | Greene, Tweed Technologies, Inc.              | 04/02/2013 | 2809705 | 13744120.0 |        |
| 2809936 | United Technologies Corporation               | 17/01/2013 | 2809936 | 13775841.3 |        |
| 2810207 | Huawei Technologies Co. Ltd.                  | 01/02/2013 | 2810207 | 13705659.4 |        |
| 2811161 | EBARA CORPORATION                             | 20/05/2014 | 2811161 | 14169139.4 |        |
| 2811494 | Samsung Electronics Co., Ltd.                 | 27/01/2014 | 2811494 | 14152739.0 |        |
| 2812071 | Boston Scientific Neuromodulation Corporation | 30/01/2013 | 2812071 | 13703704.0 |        |

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| 2812104 | I.S.L. Institut Franco-Allemand de<br>Recherches de Saint-Louis<br>Centre National de la Recherche<br>Scientifique (C.N.R.S.)   | 07/02/2013             | 2812104      | 13702660.5 | French |
| 2812679 | Rapiscan Systems, Inc.  | 29/01/2013             | 2812679      | 13746677.7 |        |
| 2813003 | Qualcomm Incorporated   | 08/02/2013             | 2813003      | 13705891.3 |        |
| 2814162 | LSIS Co., Ltd.  | 07/03/2014             | 2814162      | 14158250.2 |        |
| 2814271 | MLS Wireless S/A  | 04/02/2013             | 2814271      | 13747332.8 |        |
| 2815232 | Becton, Dickinson and Company   | 14/02/2013             | 2815232      | 13749418.3 |        |
| 2815437 | Citizen Electronics Co., Ltd.<br>CITIZEN WATCH CO., LTD.  | 18/02/2013             | 2815437      | 13748752.6 |        |
| 2816287 | EBARA CORPORATION   | 13/06/2014             | 2816287      | 14172388.2 |        |
| 2816380 | Elbit Systems Ltd.  | 04/02/2014             | 2816380      | 14153864.5 |        |
| 2816412 | Canon Kabushiki Kaisha  | 17/06/2014             | 2816412      | 14002090.0 |        |
| 2816990 | Digital Medical Technologies, LLC<br>(D/B/A Adheretech)<br>The Board of Trustees of The<br>University of Alabama for and on<br>behalf of The University of Alabama in<br>Huntsville | 25/02/2013             | 2816990      | 13751723.1 |        |
| 2817369 | E. I. du Pont de Nemours and Company  | 25/02/2013             | 2817369      | 13710656.3 |        |
| 2817957 | AGFA NV   | 21/02/2013             | 2817957      | 13707326.8 |        |
| 2818362 | Palfinger Tail Lifts GmbH   | 10/06/2014             | 2818362      | 14001994.4 | German |
| 2818711 | LG Electronics Inc.   | 23/05/2014             | 2818711      | 14169571.8 |        |
| 2818817 | MAHLE Behr GmbH & Co. KG  | 23/06/2014             | 2818817      | 14173453.3 | German |
| 2819131 | Telefonaktiebolaget LM Ericsson (publ)  | 15/02/2005             | 2819131      | 14172888.1 |        |
| 2819237 | NISSAN MOTOR CO., LTD.  | 14/02/2013             | 2819237      | 13752223.1 |        |
| 2819371 | Telefonica Digital España, S.L.U.   | 09/10/2013             | 2819371      | 13382396.3 |        |
| 2819835 | Automobili Lamborghini S.P.A.   | 11/02/2013             | 2819835      | 13713526.5 |        |
| 2820365 | Evapco, Inc.  | 01/03/2013             | 2820365      | 13755105.7 |        |
| 2820710 | Cornell University  | 28/02/2013             | 2820710      | 13755750.0 |        |
| 2822046 | Nichia Corporation  | 27/06/2014             | 2822046      | 14174704.8 |        |
| 2823274 | TDK Electronics AG  | 08/02/2013             | 2823274      | 13704075.4 | German |
| 2823484 | Medtronic Inc.  | 01/03/2013             | 2823484      | 13711493.0 |        |
| 2823886 | Advanced Refining Technologies, LLC   | 11/12/2006             | 2823886      | 14182114.0 |        |
| 2825741 | Daf Trucks N.V.   | 11/03/2013             | 2825741      | 13720095.2 |        |
| 2828327 | BASF SE   | 22/03/2013             | 2828327      | 13782866.1 |        |
| 2828455 | Neology, Inc.   | 08/03/2013             | 2828455      | 13764844.0 |        |

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| 2828714 | Endress+Hauser SE+Co. KG  | 22/02/2013 | 2828714 | 13708371.3 | German |
| 2829436 | MAN Truck & Bus SE  | 10/04/2014 | 2829436 | 14001311.1 | German |
| 2829592 | Idemitsu Kosan Co., Ltd   | 12/03/2013 | 2829592 | 13764396.1 |        |
| 2830146 | NISSAN MOTOR CO., LTD.  | 12/03/2013 | 2830146 | 13765111.3 |        |
| 2830427 | General Mills, Inc.   | 20/03/2013 | 2830427 | 13767746.4 |        |
| 2830679 | Medimop Medical Projects Ltd.   | 14/03/2013 | 2830679 | 13716886.0 |        |
| 2831430 | WABCO GmbH  | 06/12/2012 | 2831430 | 12809591.6 | German |
| 2831469 | Bombardier Transportation GmbH  | 05/03/2013 | 2831469 | 13707867.1 | German |
| 2832878 | Kabushiki Kaisha Kobe Seiko Sho<br>(Kobe Steel, Ltd.)                 | 25/03/2013 | 2832878 | 13767810.8 |        |
| 2832884 | voestalpine Stahl GmbH  | 28/03/2013 | 2832884 | 13769295.0 |        |
| 2833357 | Nidec Sankyo Corporation  | 27/03/2013 | 2833357 | 13768393.4 |        |
| 2833383 | Sumitomo Seika Chemicals Co. Ltd.                                     | 06/03/2013 | 2833383 | 13767784.5 |        |
| 2833442 | Envision AESC Energy Devices Ltd.                                     | 07/02/2013 | 2833442 | 13769468.3 |        |
| 2834580 | Redios-Tec GmbH   | 08/05/2013 | 2834580 | 13720967.2 | German |
| 2835074 | Park Way Co., Ltd.  | 02/04/2012 | 2835074 | 12873724.4 |        |
| 2835086 | Ecovacs Robotics Co., Ltd.  | 03/04/2013 | 2835086 | 13773165.9 |        |
| 2835173 | Domínguez Rojas, Óscar  | 03/04/2012 | 2835173 | 12873836.6 |        |
| 2836269 | Elwha LLC   | 10/04/2013 | 2836269 | 13775331.5 |        |
| 2836277 | Apexk Inc.  | 09/04/2013 | 2836277 | 13775385.1 |        |
| 2838234 | Mitsubishi Electric Corporation                                       | 19/03/2013 | 2838234 | 13776218.3 |        |
| 2838645 | BL Technologies, Inc.   | 18/04/2012 | 2838645 | 12874399.4 |        |
| 2839505 | Kla-Tencor Corporation  | 15/04/2013 | 2839505 | 13777897.3 |        |
| 2839710 | Guangdong OPPO Mobile<br>Telecommunications Corp., Ltd.               | 16/04/2013 | 2839710 | 13727364.5 |        |
| 2840042 | Hydrogen Health Medical Labo Co.,<br>Ltd.<br>Nano Jet Japan Co., Ltd. | 22/04/2013 | 2840042 | 13777722.3 |        |
| 2840205 | BKS GmbH  | 19/08/2013 | 2840205 | 13180894.1 | German |
| 2840788 | Electronics And Telecommunications<br>Research Institute              | 16/04/2013 | 2840788 | 13777676.1 |        |
| 2841902 | Aktiebolaget SKF  | 17/12/2012 | 2841902 | 12813309.7 |        |
| 2842287 | Vodafone IP Licensing Limited   | 24/04/2013 | 2842287 | 13720497.0 |        |
| 2842456 | Trisa Holding AG  | 20/12/2002 | 2842456 | 14003428.1 | German |
| 2842723 | HELLA GmbH & Co. KGaA   | 23/03/2006 | 2842723 | 14189664.7 | German |
| 2843021 | LG Chem, Ltd.   | 22/04/2013 | 2843021 | 13781831.6 |        |
| 2843585 | Vodafone Kabel Deutschland GmbH                                       | 03/09/2013 | 2843585 | 13182745.3 | German |
| 2843935 | Fujifilm Corporation  | 28/08/2014 | 2843935 | 14182665.1 |        |

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| 2844691 | Roquette Frères  | 02/05/2013             | 2844691      | 13727244.9 | French |
| 2844698 | SK Innovation Co., Ltd.<br>SK Global Chemical Co., Ltd.  | 24/04/2013             | 2844698      | 13785064.0 |        |
| 2845329 | Intel Corporation  | 26/04/2013             | 2845329      | 13784782.8 |        |
| 2846243 | Rath, Matthias   | 04/09/2013             | 2846243      | 13004326.8 |        |
| 2846836 | ALLERGAN, INC.   | 06/05/2013             | 2846836      | 13723356.5 |        |
| 2847111 | Laitram, L.L.C.  | 12/03/2013             | 2847111      | 13787459.0 |        |
| 2847603 | Renault S.A.S.   | 03/05/2013             | 2847603      | 13727253.0 | French |
| 2848299 | Primetals Technologies Austria GmbH  | 11/09/2013             | 2848299      | 13183890.6 | German |
| 2848467 | Wagner, Werner   | 12/09/2014             | 2848467      | 14003167.5 | German |
| 2849961 | VOLVO LASTVAGNAR AB  | 18/05/2012             | 2849961      | 12735623.6 |        |
| 2850753 | Dolby International AB   | 06/05/2013             | 2850753      | 13722362.4 |        |
| 2852337 | Stryker European Holdings I, LLC   | 23/05/2012             | 2852337      | 12726740.9 |        |
| 2852611 | INSERM - Institut National de la Santé<br>et de la Recherche Médicale<br>Universite de Nantes<br>Université d'Angers<br>Centre National de la Recherche<br>Scientifique (C.N.R.S.) | 22/05/2012             | 2852611      | 12761796.7 |        |
| 2852785 | Nippon Steel Corporation<br>VALLOUREC OIL AND GAS<br>FRANCE  | 21/05/2013             | 2852785      | 13793983.1 |        |
| 2852880 | FlatFrog Laboratories AB   | 22/05/2013             | 2852880      | 13794432.8 |        |
| 2853061 | Nokia Technologies Oy  | 21/05/2012             | 2853061      | 12877113.6 |        |
| 2853175 | Ahn, Yoo Soo   | 10/12/2013             | 2853175      | 13196397.7 |        |
| 2853427 | Magna Car Top Systems GmbH   | 14/08/2014             | 2853427      | 14180965.7 | German |
| 2854422 | Clarion Co., Ltd.  | 14/05/2013             | 2854422      | 13793735.5 |        |
| 2855286 | Alevax AB  | 31/05/2013             | 2855286      | 13796623.0 |        |
| 2855320 | Otis Elevator Company  | 24/05/2012             | 2855320      | 12877130.0 |        |
| 2855324 | KONE Corporation   | 20/05/2013             | 2855324      | 13797835.9 |        |
| 2855645 | Shell Internationale Research<br>Maatschappij B.V.   | 04/06/2013             | 2855645      | 13728157.2 |        |
| 2855884 | United Technologies Corporation  | 15/05/2013             | 2855884      | 13797827.6 |        |
| 2856034 | Eltek S.p.A.   | 24/05/2013             | 2856034      | 13737390.8 |        |
| 2856099 | Ponsse OYJ   | 31/05/2013             | 2856099      | 13797779.9 |        |
| 2856298 | Nokia Technologies Oy  | 24/05/2013             | 2856298      | 13731352.4 |        |
| 2856612 | Valeo Equipements Electriques Moteur   | 21/05/2013             | 2856612      | 13728453.5 | French |

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| 2857845 | Hitachi High-Technologies Corporation                              | 24/05/2013 | 2857845 | 13800133.4 |        |
| 2857857 | Honeywell International Inc.                                       | 18/09/2014 | 2857857 | 14185407.5 |        |
| 2857938 | ams AG   | 16/10/2013 | 2857938 | 13188924.8 |        |
| 2858070 | Sony Corporation   | 26/04/2013 | 2858070 | 13799823.3 |        |
| 2858744 | Arkema France  | 06/06/2013 | 2858744 | 13733361.3 | French |
| 2859489 | Early Warning Services, LLC  | 06/05/2013 | 2859489 | 13801298.4 |        |
| 2860057 | Clarion Co., Ltd.<br>NISSAN MOTOR CO., LTD.                        | 07/06/2013 | 2860057 | 13800906.3 |        |
| 2860452 | Mitsubishi Hitachi Power Systems, Ltd.                             | 10/10/2014 | 2860452 | 14188405.6 |        |
| 2860879 | Slim HMI Technology  | 19/04/2013 | 2860879 | 13793364.4 |        |
| 2860883 | Samsung Electronics Co., Ltd.                                      | 12/06/2013 | 2860883 | 13804246.0 |        |
| 2860934 | Telefonica Digital España, S.L.U.                                  | 09/10/2013 | 2860934 | 13382397.1 |        |
| 2860935 | Telefonica Digital España, S.L.U.                                  | 09/10/2013 | 2860935 | 13382398.9 |        |
| 2860998 | Samsung Electronics Co., Ltd.                                      | 07/10/2014 | 2860998 | 14187961.9 |        |
| 2861006 | ZTE Corporation  | 28/06/2013 | 2861006 | 13796301.3 |        |
| 2861371 | Bayerische Motoren Werke<br>Aktiengesellschaft                     | 12/06/2013 | 2861371 | 13728731.4 | German |
| 2861529 | Nuvera Fuel Cells, LLC   | 13/06/2013 | 2861529 | 13731235.1 |        |
| 2862035 | Leopold Kostal GmbH & Co. KG                                       | 14/06/2013 | 2862035 | 13730195.8 | German |
| 2862465 | NIKE Innovate C.V.   | 31/08/2012 | 2862465 | 14197120.0 |        |
| 2862774 | Kawasaki Jukogyo Kabushiki Kaisha                                  | 11/06/2013 | 2862774 | 13804416.9 |        |
| 2862797 | The Boeing Company   | 01/10/2014 | 2862797 | 14187334.9 |        |
| 2863035 | Toyota Jidosha Kabushiki Kaisha                                    | 14/06/2012 | 2863035 | 12878918.7 |        |
| 2863672 | National Institute of Information and<br>Communications Technology | 16/11/2012 | 2863672 | 12878662.1 |        |
| 2863865 | L'OREAL  | 21/06/2013 | 2863865 | 13730270.9 |        |
| 2863866 | L'Oréal  | 21/06/2013 | 2863866 | 13730283.2 |        |
| 2865164 | SAAB AB  | 21/06/2012 | 2865164 | 12879468.2 |        |
| 2865408 | Integra LifeSciences Switzerland Sàrl                              | 29/09/2014 | 2865408 | 14186794.5 |        |
| 2865973 | Panasonic Intellectual Property<br>Management Co., Ltd.            | 20/06/2013 | 2865973 | 13806834.1 |        |
| 2866914 | Robert Bosch GmbH  | 14/05/2013 | 2866914 | 13723100.7 | German |
| 2867405 | Shell Internationale Research<br>Maatschappij B.V.                 | 27/06/2013 | 2867405 | 13735542.6 |        |
| 2867435 | Epiroc Rock Drills Aktiebolag                                      | 30/05/2013 | 2867435 | 13809332.3 |        |
| 2867822 | Intel Corporation  | 14/06/2013 | 2867822 | 13810562.2 |        |
| 2868127 | Nokia Solutions and Networks Oy                                    | 29/06/2012 | 2868127 | 12730220.6 |        |
| 2869406 | TE Connectivity Germany GmbH                                       | 23/10/2014 | 2869406 | 14189982.3 |        |

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| 2871380 | Globeride, Inc.                     | 31/10/2014                    | 2871380 | 14191376.4   |        |
| 2873994 | Viavi Solutions Inc.                | 18/11/2014                    | 2873994 | 14193723.5   |        |
| 2874637 | Max Zeller Söhne AG                 | 03/07/2013                    | 2874637 | 13732985.0   |        |
| 2874900 | Diopass SPRL                        | 19/07/2013                    | 2874900 | 13741706.9   | French |
| 2875320 | Withings                            | 19/07/2013                    | 2875320 | 13747469.8   | French |
| 2875796 | Cook Medical Technologies LLC       | 22/08/2014                    | 2875796 | 14275175.9   |        |
| 2876620 | Nissan Motor Company, Limited       | 16/07/2013                    | 2876620 | 13819767.8   |        |
|         | The University of Tokyo             |                               |         |              |        |
| 2876979 | Tesat Spacecom GmbH & Co. KG        | 24/11/2014                    | 2876979 | 14003954.6   | German |
| 2877033 | Bühler GmbH                         | 20/06/2013                    | 2877033 | 13730881.3   | German |
| 2878356 | L'AIR LIQUIDE, SOCIETE              | 21/11/2014                    | 2878356 | 14194257.3   | French |
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|         | GEORGES CLAUDE                      |                               |         |              |        |
| 2880241 | Baker Hughes, a GE company, LLC     | 30/07/2013                    | 2880241 | 13824743.2   |        |
| 2881682 | ROBERT BOSCH GMBH                   | 27/11/2014                    | 2881682 | 14195263.0   |        |
| 2882167 | Deutsche Telekom AG                 | 06/12/2013                    | 2882167 | 13196114.6   |        |
| 2882290 | Genoskin                            | 03/05/2013                    | 2882290 | 13724530.4   | French |
| 2882873 | Primetals Technologies Austria GmbH | 20/06/2013                    | 2882873 | 13737130.8   | German |
| 2883499 | Samsung Electronics Co., Ltd.       | 14/11/2014                    | 2883499 | 14193235.0   |        |
| 2883529 | Colgate-Palmolive Company           | 26/03/2014                    | 2883529 | 14161788.6   |        |
| 2883670 | Giangreco, Mario                    | 13/05/2013                    | 2883670 | 13167512.6   | French |
| 2884182 | General Electric Company            | 10/12/2014                    | 2884182 | 14197238.0   |        |
| 2884826 | OMRON CORPORATION                   | 22/10/2014                    | 2884826 | 14189826.2   |        |
| 2885899 | Airbus Defence and Space SAS        | 19/08/2013                    | 2885899 | 13763001.8   | French |
| 2886646 | Hadasit Medical Research Services & | 27/04/2008                    | 2886646 | 14193621.1   |        |
|         | Development Limited                 |                               |         |              |        |
| 2886894 | SKF Aerospace France                | 22/12/2014                    | 2886894 | 14199843.5   |        |
|         | Aktiebolaget SKF                    |                               |         |              |        |
| 2887849 | Groupe SEB Schweiz GmbH             | 17/07/2013                    | 2887849 | 13739413.6   | German |
| 2890160 | NXP B.V.                            | 24/12/2013                    | 2890160 | 13199568.0   |        |
| 2891144 | Landmark Graphics Corporation       | 05/09/2012                    | 2891144 | 12884226.7   |        |
| 2891174 | Semiconductor Technologies &        | 02/09/2013                    | 2891174 | 13833578.1   |        |
|         | Instruments Pte Ltd.                |                               |         |              |        |
| 2891175 | Semiconductor Technologies &        | 02/09/2013                    | 2891175 | 13833045.1   |        |
|         | Instruments Pte Ltd.                |                               |         |              |        |
| 2891598 | Kind Shock Hi-Tech Co., Ltd.        | 31/12/2014                    | 2891598 | 14200711.1   |        |



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| 2891705 | NTN Corporation                                | 27/08/2013 | 2891705 | 13832397.7 |        |
|         | JX Nippon Oil & Energy Corporation             |            |         |            |        |
| 2892347 | Zoetis Services LLC                            | 04/09/2013 | 2892347 | 13765847.2 |        |
| 2892447 | Aesculap AG                                    | 26/08/2013 | 2892447 | 13752648.9 | German |
| 2892458 | Zimmer Knee Creations, Inc.                    | 09/09/2013 | 2892458 | 13830086.8 |        |
| 2892930 | University Of Miami                            | 09/09/2013 | 2892930 | 13835331.3 |        |
| 2892965 | Henkel IP & Holding GmbH                       | 23/05/2013 | 2892965 | 13794138.1 |        |
| 2892996 | BioLamina AB                                   | 06/09/2013 | 2892996 | 13812068.8 |        |
| 2893221 | Safran Transmission Systems                    | 29/08/2013 | 2893221 | 13766596.4 | French |
| 2893444 | Microsoft Technology Licensing, LLC            | 27/08/2013 | 2893444 | 13760170.4 |        |
| 2894047 | Unilin, BVBA                                   | 10/01/2014 | 2894047 | 14150782.2 |        |
| 2894868 | Saturn Licensing LLC                           | 26/08/2013 | 2894868 | 13835708.2 |        |
| 2894971 | Ferrolino Pty Ltd                              | 10/09/2013 | 2894971 | 13836433.6 |        |
| 2895285 | Safran Aircraft Engines                        | 06/09/2013 | 2895285 | 13765382.0 | French |
| 2895540 | Dow Global Technologies LLC                    | 11/09/2013 | 2895540 | 13836898.0 |        |
| 2896135 | Keyssa, Inc.                                   | 13/09/2013 | 2896135 | 13766856.2 |        |
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| 2896479 | FANUC CORPORATION                              | 07/01/2015 | 2896479 | 15150347.1 |        |
| 2898529 | ASSA ABLOY AB                                  | 28/08/2013 | 2898529 | 13785923.7 |        |
| 2898605 | Samsung Electronics Co., Ltd.                  | 23/09/2013 | 2898605 | 13838826.9 |        |
| 2898800 | SEB S.A.                                       | 05/01/2015 | 2898800 | 15150124.4 | French |
| 2898918 | Dentsply IH AB                                 | 22/12/2010 | 2898918 | 15158598.1 |        |
| 2898954 | Alfa Wassermann, Inc.                          | 22/01/2015 | 2898954 | 15152185.3 |        |
| 2898969 | Tungaloy Corporation                           | 20/09/2013 | 2898969 | 13839984.5 |        |
| 2899072 | BDD Beteiligungs GmbH                          | 23/01/2015 | 2899072 | 15000188.1 | German |
| 2899441 | Inoue Sudare Co., Ltd.                         | 13/05/2013 | 2899441 | 13839851.6 |        |
|         | Higashio Mech Co., Ltd.                        |            |         |            |        |
| 2900046 | ABB Schweiz AG                                 | 28/01/2014 | 2900046 | 14152849.7 |        |
| 2900177 | Edwards Lifesciences Corporation               | 24/09/2013 | 2900177 | 13840972.7 |        |
| 2900279 | Advanced Accelerator Applications<br>USA, Inc. | 25/09/2013 | 2900279 | 13815181.6 |        |
| 2900721 | DSM IP Assets B.V.                             | 25/09/2013 | 2900721 | 13770879.8 |        |
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| 2903093 | Tyco Electronics Japan G.K.<br>Toyota Jidosha Kabushiki Kaisha                                 | 29/01/2015             | 2903093      | 15153025.0 |        |
| 2903663 | Owen Mumford Limited   | 04/10/2013             | 2903663      | 13802693.5 |        |
| 2904289 | Schaeffler Technologies AG & Co. KG  | 18/09/2013             | 2904289      | 13779119.0 | German |
| 2904320 | L'Air Liquide Société Anonyme pour<br>l'Etude et l'Exploitation des Procédés<br>Georges Claude | 26/09/2013             | 2904320      | 13774332.4 |        |
| 2904970 | Japan Science and Technology Agency  | 30/09/2013             | 2904970      | 13843451.9 |        |
| 2905506 | CLAAS Selbstfahrende Erntemaschinen<br>GmbH  | 12/11/2014             | 2905506      | 14192747.5 | German |
| 2905810 | LG Innotek Co., Ltd.   | 05/02/2015             | 2905810      | 15153889.9 |        |
| 2905950 | Sony Corporation   | 03/02/2015             | 2905950      | 15153540.8 |        |
| 2906391 | Inflotek B.V.  | 15/10/2013             | 2906391      | 13785664.7 |        |
| 2906526 | Université Paris Sud-Paris XI  | 28/08/2013             | 2906526      | 13766594.9 | French |
| 2907308 | Cisco Technology, Inc.   | 09/10/2013             | 2907308      | 13779711.4 |        |
| 2908069 | Savo-Solar OY  | 03/02/2015             | 2908069      | 15153606.7 |        |
| 2908140 | National University Corporation<br>Nagoya University   | 15/10/2013             | 2908140      | 13847857.3 |        |
| 2908196 | Rockwell Automation Technologies,<br>Inc.  | 07/11/2014             | 2908196      | 14192223.7 |        |
| 2908961 | Adira - Metal Forming Solutions, S.A.  | 22/10/2013             | 2908961      | 13821959.7 |        |
| 2909047 | Ross Design & Engineering, Inc.  | 21/10/2013             | 2909047      | 13795320.4 |        |
| 2909507 | Litens Automotive Partnership  | 22/10/2013             | 2909507      | 13848386.2 |        |
| 2909729 | Bull SAS   | 08/10/2013             | 2909729      | 13785528.4 | French |
| 2910095 | InterDigital CE Patent Holdings  | 17/10/2013             | 2910095      | 13786360.1 |        |
| 2910292 | Mitsubishi Heavy Industries<br>Engineering, Ltd.   | 18/09/2013             | 2910292      | 13838237.9 |        |
| 2910439 | Valeo Systèmes d'Essuyage  | 09/02/2015             | 2910439      | 15154315.4 | French |
| 2910633 | National University Corporation Tottori<br>University  | 21/10/2013             | 2910633      | 13847830.0 |        |
| 2910880 | Whirlpool Corporation  | 10/02/2015             | 2910880      | 15154577.9 |        |
| 2911291 | The Boeing Company   | 26/12/2014             | 2911291      | 14200356.5 |        |
| 2911411 | Sony Corporation   | 07/10/2013             | 2911411      | 13847182.6 |        |
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| 2911476 | Rockwell Automation Technologies, Inc.   | 07/01/2015 | 2911476 | 15150232.5 |        |
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| 2911851 | Albany Engineered Composites, Inc.   | 21/10/2013 | 2911851 | 13785762.9 |        |
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| 2912059 | National Research Council of Canada  | 24/10/2013 | 2912059 | 13849857.1 |        |
| 2913736 | BSH Hausgeräte GmbH  | 14/01/2015 | 2913736 | 15151139.1 | German |
| 2913744 | BOE Technology Group Co., Ltd.<br>Hefei BOE Optoelectronics Technology Co., Ltd.                       | 30/06/2014 | 2913744 | 14861142.9 |        |
| 2914001 | Hitachi Automotive Systems, Ltd.   | 07/10/2013 | 2914001 | 13852310.5 |        |
| 2914038 | Huawei Technologies Co., Ltd.  | 14/11/2012 | 2914038 | 12888606.6 |        |
| 2915443 | Fontem Holdings 1 B.V.   | 03/03/2014 | 2915443 | 14000757.6 |        |
| 2915819 | ZENYAKU KOGYO<br>KABUSHIKIKAISHA   | 01/11/2013 | 2915819 | 13850520.1 |        |
| 2916032 | Goodrich Actuation Systems SAS   | 05/03/2014 | 2916032 | 14305311.4 |        |
| 2917473 | Halliburton Energy Services, Inc.  | 28/01/2013 | 2917473 | 13872788.8 |        |
| 2917879 | Entrust Datacard Corporation   | 09/11/2012 | 2917879 | 12887887.3 |        |
| 2918742 | BIRCO GmbH   | 13/03/2015 | 2918742 | 15159073.4 | German |
| 2919108 | LG Electronics, Inc.   | 09/09/2014 | 2919108 | 14184068.6 |        |
| 2919353 | ABB Schweiz AG   | 21/05/2014 | 2919353 | 14169252.5 |        |
| 2919841 | ResMed Pty Ltd   | 15/11/2013 | 2919841 | 13854417.6 |        |
| 2920161 | THE UNITED STATES OF AMERICA, as represented by the Secretary, Department of Health and Human Services | 14/11/2013 | 2920161 | 13814276.5 |        |
| 2920979 | Orange   | 15/11/2013 | 2920979 | 13801670.4 | French |
| 2921180 | University of Connecticut<br>Baxalta GmbH<br>Baxalta Incorporated                                      | 22/02/2000 | 2921180 | 15154020.0 |        |
| 2922231 | Apple Inc.   | 25/06/2009 | 2922231 | 14188394.2 |        |
| 2922794 | Corning Incorporated   | 20/11/2013 | 2922794 | 13803342.8 |        |
| 2922936 | Unilever PLC, a company registered in England and Wales under company no. 41424 of                     | 02/10/2013 | 2922936 | 13771155.2 |        |
| 2923252 | Microsoft Technology Licensing, LLC  | 19/11/2013 | 2923252 | 13802171.2 |        |

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| 2923478 | Apple Inc.   | 20/11/2013             | 2923478      | 13802185.2 |        |
| 2923754 | Corning Incorporated   | 26/03/2014             | 2923754      | 14305433.6 |        |
| 2923823 | Leonhard Kurz Stiftung & Co. KG  | 25/03/2015             | 2923823      | 15160883.3 | German |
| 2924117 | KM Biologics Co., Ltd.   | 18/11/2013             | 2924117      | 13857248.2 |        |
| 2924289 | Adamant Namiki Precision Jewel Co.,<br>Ltd.<br>Namiki Precision Singapore Pte. Ltd.    | 14/11/2013             | 2924289      | 13855928.1 |        |
| 2924430 | LG Innotek Co., Ltd.   | 25/03/2015             | 2924430      | 15160793.4 |        |
| 2924739 | TOYOTA JIDOSHA KABUSHIKI<br>KAISHA   | 21/11/2012             | 2924739      | 12866405.9 |        |
| 2925109 | FUJI Corporation   | 21/11/2012             | 2925109      | 12888636.3 |        |
| 2925110 | FUJI Corporation   | 21/11/2012             | 2925110      | 12888874.0 |        |
| 2925367 | InFirst Healthcare Limited   | 14/01/2014             | 2925367      | 14702460.8 |        |
| 2925564 | Cloudparc, Inc.  | 25/11/2013             | 2925564      | 13858745.6 |        |
| 2926088 | Safran Electronics & Defense   | 22/11/2013             | 2926088      | 13795733.8 | French |
| 2926411 | Endress+Hauser SE+Co. KG   | 26/11/2013             | 2926411      | 13798306.0 | German |
| 2927736 | Adidas AG  | 05/03/2015             | 2927736      | 15157782.2 |        |
| 2927777 | MediaTek Inc.  | 10/02/2015             | 2927777      | 15154436.8 |        |
| 2928170 | NEC Corporation  | 25/09/2013             | 2928170      | 13858577.3 |        |
| 2928413 | AMO Groningen B.V.   | 04/12/2013             | 2928413      | 13859907.1 |        |
| 2928628 | Belvac Production Machinery, Inc.  | 05/12/2013             | 2928628      | 13806030.6 |        |
| 2928729 | Flextronics Global Services Canada Inc.<br>Services Globaux Flextronics Canada<br>Inc. | 09/12/2013             | 2928729      | 13862565.2 |        |
| 2929327 | Perimeter Medical Imaging, Inc.  | 05/12/2013             | 2929327      | 13860624.9 |        |
| 2929511 | Qualcomm Incorporated  | 06/12/2012             | 2929511      | 12889444.1 |        |
| 2929977 | Messer Group GmbH  | 08/04/2015             | 2929977      | 15162772.6 | German |
| 2931510 | Compagnie Générale des<br>Etablissements Michelin                                      | 11/12/2013             | 2931510      | 13818290.2 | French |
| 2931634 | Stolle Machinery Company, LLC  | 12/03/2014             | 2931634      | 14782469.2 |        |
| 2931752 | Trillium Therapeutics Inc.   | 17/12/2013             | 2931752      | 13865442.1 |        |
| 2931770 | Henkel AG & Co. KGaA   | 13/12/2013             | 2931770      | 13811861.7 | German |
| 2931844 | Baker Hughes, a GE company, LLC  | 12/12/2013             | 2931844      | 13861547.1 |        |
| 2931948 | The Regents of the University of<br>California   | 21/11/2013             | 2931948      | 13861137.1 |        |
| 2932032 | Halliburton Energy Services, Inc.  | 11/12/2013             | 2932032      | 13862618.9 |        |
| 2932574 | Robert Bosch GmbH<br>Samsung SDI Co., Ltd.   | 26/11/2013             | 2932574      | 13795753.6 | German |

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| 2932638 | Telefonaktiebolaget LM Ericsson (publ)                      | 14/12/2012 | 2932638 | 12818656.6 |        |
| 2932668 | Western Digital Technologies, Inc.                          | 30/09/2013 | 2932668 | 13863343.3 |        |
| 2933124 | Schmitz Cargobull AG  | 14/04/2014 | 2933124 | 14164617.4 | German |
| 2933141 | TS Gesellschaft für Transport- und<br>Sicherungssysteme mbH | 08/04/2015 | 2933141 | 15162698.3 | German |
| 2933387 | Hyundai Construction Equipment Co.,<br>Ltd.                 | 20/11/2013 | 2933387 | 13862042.2 |        |
| 2933684 | Hodogaya Chemical Co., Ltd.                                 | 11/12/2013 | 2933684 | 13862005.9 |        |
| 2933751 | DIGITAL ARTS INC.   | 10/12/2014 | 2933751 | 14869418.5 |        |
| 2933829 | NXP B.V.  | 14/04/2015 | 2933829 | 15163578.6 |        |
| 2933858 | LG Chem, Ltd.   | 17/12/2013 | 2933858 | 13838064.7 |        |
| 2934168 | Tetra Laval Holdings & Finance S.A.                         | 17/12/2013 | 2934168 | 13811189.3 |        |
| 2935647 | Sandvik Intellectual Property AB                            | 20/12/2013 | 2935647 | 13815742.5 |        |
| 2935896 | Nuovo Pignone S.r.l.  | 16/12/2013 | 2935896 | 13805412.7 |        |
| 2935908 | PerkinElmer Health Sciences, Inc.                           | 20/12/2013 | 2935908 | 13865265.6 |        |
| 2936191 | Veoneer Sweden AB   | 21/12/2012 | 2936191 | 12890436.4 |        |
| 2937436 | Posco   | 19/12/2013 | 2937436 | 13864152.7 |        |
| 2938181 | AGCO International GmbH                                     | 12/11/2013 | 2938181 | 13869820.4 |        |
| 2938657 | Arlanxeo Singapore Pte. Ltd.                                | 19/12/2013 | 2938657 | 13868260.4 |        |
| 2938958 | Switch Grip LLC   | 31/12/2013 | 2938958 | 13868650.6 |        |
| 2939184 | General Electric Company                                    | 20/12/2013 | 2939184 | 13866949.4 |        |
| 2939588 | Stryker European Holdings I, LLC                            | 11/03/2015 | 2939588 | 15158560.1 |        |
| 2939811 | Albany Engineered Composites, Inc.                          | 21/10/2013 | 2939811 | 15169267.0 |        |
| 2939812 | Albany Engineered Composites, Inc.                          | 21/10/2013 | 2939812 | 15169268.8 |        |
| 2939817 | Roland DG Corporation                                       | 28/04/2015 | 2939817 | 15165396.1 |        |
| 2940223 | Huber SE  | 14/04/2015 | 2940223 | 15163533.1 | German |
| 2940290 | GE Renewable Technologies                                   | 29/04/2014 | 2940290 | 14290125.5 |        |
| 2940899 | Panasonic Intellectual Property<br>Corporation of America   | 22/11/2013 | 2940899 | 13868814.8 |        |
| 2941101 | ITZ Innovations- und<br>Technologiezentrum GmbH             | 30/03/2015 | 2941101 | 15161737.0 | German |
| 2941736 | Qualcomm Incorporated                                       | 22/11/2013 | 2941736 | 13811282.6 |        |
| 2941895 | Samsung Electronics Co., Ltd.                               | 07/01/2014 | 2941895 | 14735227.2 |        |
| 2941927 | Telefonaktiebolaget LM Ericsson (publ)                      | 03/01/2014 | 2941927 | 14735415.3 |        |
| 2942850 | Siemens Aktiengesellschaft                                  | 06/05/2014 | 2942850 | 14167133.9 | German |
| 2943584 | Canon Kabushiki Kaisha                                      | 29/05/2014 | 2943584 | 14804756.6 |        |
| 2943657 | United Technologies Corporation                             | 14/01/2014 | 2943657 | 14737797.2 |        |
| 2944043 | Intel IP Corporation  | 08/01/2014 | 2944043 | 14738152.9 |        |

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| 2945164 | ABLIC Inc.                                       | 23/10/2013             | 2945164      | 13871272.4 |        |
| 2945607 | L'Oréal  | 20/01/2014             | 2945607      | 14701168.8 |        |
| 2945722 | Hydac Filbertechnik GmbH                         | 23/12/2013             | 2945722      | 13826840.4 | German |
| 2945846 | Wolz Nautic GmbH & Co. Kg                        | 21/01/2014             | 2945846      | 14704088.5 | German |
| 2946057 | Faringosi-Hinges S.r.l.                          | 08/01/2014             | 2946057      | 14704654.4 |        |
| 2946066 | Saudi Arabian Oil Company                        | 16/01/2014             | 2946066      | 14703211.4 |        |
| 2946809 | SUMITOMO HEAVY INDUSTRIES,<br>LTD.               | 27/01/2015             | 2946809      | 15152686.0 |        |
| 2947138 | The Procter & Gamble Company                     | 01/06/2007             | 2947138      | 15158891.0 |        |
| 2947732 | NGK Spark Plug Co., Ltd.                         | 21/05/2015             | 2947732      | 15168638.3 |        |
| 2948084 | I.C. Medical, Inc.                               | 06/03/2014             | 2948084      | 14761063.8 |        |
| 2948328 | Tsubaki Kabelschlepp GmbH                        | 10/01/2014             | 2948328      | 14700832.0 | German |
| 2948348 | Scania CV AB                                     | 27/01/2014             | 2948348      | 14742956.7 |        |
| 2948506 | Henkel IP & Holding GmbH<br>Henkel AG & Co. KGaA | 23/01/2013             | 2948506      | 13872817.5 |        |
| 2948791 | Raytheon Company                                 | 21/11/2013             | 2948791      | 13812232.0 |        |
| 2949138 | Canon Kabushiki Kaisha                           | 18/01/2014             | 2949138      | 14743618.2 |        |
| 2949668 | Ablynx N.V.                                      | 17/05/2006             | 2949668      | 15172289.9 |        |
| 2949686 | Mitsubishi Gas Chemical Company,<br>Inc.         | 21/01/2014             | 2949686      | 14743237.1 |        |
| 2950094 | Shimadzu Corporation                             | 04/09/2013             | 2950094      | 13872832.4 |        |
| 2950398 | Rockwell Automation Technologies,<br>Inc.        | 27/05/2015             | 2950398      | 15169450.2 |        |
| 2950676 | ExxonMobil Chemical Patents Inc.                 | 17/12/2013             | 2950676      | 13815649.2 |        |
| 2951674 | Hitachi Vantara Corporation                      | 01/02/2013             | 2951674      | 13873888.5 |        |
| 2952105 | Japan Tobacco Inc.                               | 04/02/2013             | 2952105      | 13873179.9 |        |
| 2952981 | Insta GmbH                                       | 13/03/2015             | 2952981      | 15158929.8 | German |
| 2953124 | LG Display Co., Ltd.                             | 30/10/2013             | 2953124      | 15178428.7 |        |
| 2954152 | Halliburton Energy Services Inc.                 | 20/02/2014             | 2954152      | 14707925.5 |        |
| 2954526 | ARRIS Enterprises LLC                            | 07/03/2014             | 2954526      | 14719545.7 |        |
| 2954750 | Intel Deutschland GmbH                           | 08/01/2014             | 2954750      | 14702756.9 |        |
| 2954894 | Nanjing Biotica Pharmaceutical<br>Company        | 12/09/2013             | 2954894      | 13874294.5 |        |
| 2955529 | Delta Electronics (Shanghai) Co., Ltd.           | 10/06/2015             | 2955529      | 15171331.0 |        |
| 2955731 | INTERMETALLICS CO., LTD.<br>Daido Steel Co.,Ltd. | 03/02/2014             | 2955731      | 14748535.3 |        |
| 2955761 | LG Electronics Inc.                              | 08/06/2015             | 2955761      | 15001698.8 |        |
| 2955787 | Mitsubishi Electric Corporation                  | 27/01/2014             | 2955787      | 14749632.7 |        |

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| 2955907 | Samsung Electronics Co., Ltd.  | 09/06/2015 | 2955907 | 15171276.7 |        |
| 2956119 | Midatech Ltd.  | 07/02/2014 | 2956119 | 14708315.8 |        |
| 2956564 | Safran Landing Systems   | 13/02/2014 | 2956564 | 14705111.4 | French |
| 2956709 | PSA Automobiles SA<br>Valeo Vision   | 14/02/2014 | 2956709 | 14710007.7 | French |
| 2956812 | Bayerische Motoren Werke<br>Aktiengesellschaft   | 10/02/2014 | 2956812 | 14703590.1 | German |
| 2956831 | Aktiebolaget SKF   | 15/02/2013 | 2956831 | 13704445.9 |        |
| 2957192 | Osauhing Delux   | 21/06/2015 | 2957192 | 15173038.9 |        |
| 2957201 | SEB S.A.   | 25/07/2014 | 2957201 | 14178645.9 | French |
| 2957455 | Lagunar Herranz, Jose  | 16/06/2014 | 2957455 | 14382227.8 |        |
| 2957501 | Goodrich Corporation   | 11/06/2015 | 2957501 | 15171673.5 |        |
| 2958037 | IQVIA Inc.   | 10/06/2015 | 2958037 | 15171520.8 |        |
| 2958860 | Toxsorb Ltd  | 18/02/2014 | 2958860 | 14712789.8 |        |
| 2958947 | The University Of Queensland   | 20/02/2014 | 2958947 | 14753885.4 |        |
| 2959297 | DST Diagnostische Systeme &<br>Technologien GmbH   | 19/02/2014 | 2959297 | 14711165.2 | German |
| 2959759 | Kuhn SA (Societe Anonyme)  | 25/06/2015 | 2959759 | 15306000.9 | French |
| 2960753 | LG Display Co., Ltd.   | 23/06/2015 | 2960753 | 15173410.0 |        |
| 2960757 | KABUSHIKI KAISHA TOKAI RIKAI<br>DENKI SEISAKUSHO<br>Toyota Jidosha Kabushiki Kaisha<br>SMK Corporation | 23/06/2015 | 2960757 | 15173280.7 |        |
| 2960797 | Intel Corporation  | 13/05/2015 | 2960797 | 15167664.0 |        |
| 2961620 | Pirelli Tyre S.p.A.  | 26/02/2014 | 2961620 | 14714370.5 |        |
| 2961892 | American Piledriving Equipment, Inc.   | 11/02/2014 | 2961892 | 14756508.9 |        |
| 2962499 | Qualcomm Incorporated  | 28/02/2014 | 2962499 | 14714830.8 |        |
| 2962759 | PZ HTL Spolka Akcyjna  | 26/08/2010 | 2962759 | 15179305.6 |        |
| 2962805 | Mitsubishi Heavy Industries, Ltd.  | 09/01/2014 | 2962805 | 14757284.6 |        |
| 2962926 | ROBERT BOSCH GMBH  | 28/04/2015 | 2962926 | 15165416.7 | German |
| 2963816 | Harman International Industries, Inc.  | 29/06/2015 | 2963816 | 15174264.0 |        |
| 2964145 | Boston Scientific Scimed, Inc.   | 04/03/2014 | 2964145 | 14712116.4 |        |
| 2964969 | AgustaWestland Limited   | 25/02/2014 | 2964969 | 14709366.0 |        |
| 2965106 | Commissariat à l'Energie Atomique et<br>aux Energies Alternatives                                      | 26/02/2014 | 2965106 | 14706651.8 | French |
| 2965208 | Western Digital Technologies, Inc.   | 28/02/2014 | 2965208 | 14760216.3 |        |
| 2965477 | Samsung Electronics Co., Ltd.  | 07/03/2014 | 2965477 | 14760640.4 |        |
| 2965848 | JFE Steel Corporation  | 24/01/2014 | 2965848 | 14759633.2 |        |

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| 2967195 | New Balance Athletics, Inc.  | 13/03/2014             | 2967195 14720346.7 |
| 2968682 | Bard Access Systems, Inc.  | 13/03/2014             | 2968682 14770578.4 |
| 2968753 | Becton, Dickinson and Company  | 14/02/2014             | 2968753 14773700.1 |
| 2969049 | Tyco Fire Products LP  | 12/03/2014             | 2969049 14724543.5 |
| 2969166 | ABBOTT LABORATORIES  | 27/12/2013             | 2969166 13821412.7 |
| 2970123 | Amgen Inc.<br>Cytokinetics, Inc.   | 14/03/2014             | 2970123 14720369.9 |
| 2970915 | Maxcyte, Inc.  | 14/03/2014             | 2970915 14763369.7 |
| 2970950 | Wm. Wrigley Jr. Company  | 13/03/2014             | 2970950 14717932.9 |
| 2971221 | United Technologies Corporation  | 16/12/2013             | 2971221 13878420.2 |
| 2971287 | GPB Scientific, LLC<br>The Trustees of Princeton University<br>University of Maryland, Baltimore | 14/03/2014             | 2971287 14764615.2 |
| 2971982 | Carrier Corporation  | 27/02/2014             | 2971982 14709518.6 |
| 2972053 | SOS Solutions, Inc.  | 14/03/2014             | 2972053 14763494.3 |
| 2972744 | EMC IP Holding Company LLC   | 25/02/2014             | 2972744 14712383.0 |
| 2972905 | Universal Electronics, Inc.  | 26/02/2014             | 2972905 14771058.6 |
| 2973420 | Robert Bosch GmbH  | 11/03/2014             | 2973420 14775351.1 |
| 2973912 | ADC Telecommunications Inc.  | 10/03/2014             | 2973912 14778425.0 |
| 2974109 | Cisco Technology, Inc.   | 12/03/2014             | 2974109 14717011.2 |
| 2974154 | Amazon Technologies, Inc.  | 05/03/2014             | 2974154 14778061.3 |
| 2974183 | Cisco Technology, Inc.   | 03/12/2013             | 2974183 13815606.2 |
| 2974308 | Koninklijke Philips N.V.   | 11/03/2014             | 2974308 14713917.4 |
| 2974456 | Cisco Technology, Inc.   | 03/03/2014             | 2974456 14711386.4 |
| 2974553 | Cooper Technologies Company  | 17/03/2014             | 2974553 14763569.2 |
| 2974637 | Kohler Mira Limited  | 19/08/2014             | 2974637 14181483.0 |
| 2975216 | IHI Corporation  | 12/03/2014             | 2975216 14764614.5 |
| 2975316 | Garrett Transportation I Inc.  | 11/05/2015             | 2975316 15167231.8 |
| 2976167 | Sandvik Materials Technology<br>Deutschland GmbH   | 11/03/2014             | 2976167 14709637.4 |
| 2976235 | Caterpillar SARL   | 18/03/2013             | 2976235 13711335.3 |
| 2976802 | Robert Bosch GmbH  | 20/02/2014             | 2976802 14707631.9 |
| 2976856 | Sensity Systems Inc.   | 25/03/2014             | 2976856 14775990.6 |
| 2978129 | Hamilton Sundstrand Corporation  | 20/05/2015             | 2978129 15168492.5 |
| 2978203 | Konica Minolta, Inc.   | 17/06/2015             | 2978203 15172450.7 |
| 2978541 | PRC-Desoto International, Inc.   | 27/03/2014             | 2978541 14721687.3 |
| 2978827 | Dow Global Technologies LLC  | 13/05/2014             | 2978827 14729810.3 |



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| 2979089 | Theranos IP Company, LLC  | 27/03/2014 | 2979089 | 14775078.0 |        |
| 2979146 | Schneider Electric Industries SAS   | 12/02/2014 | 2979146 | 14704145.3 | French |
| 2979261 | Bayerische Motoren Werke<br>Aktiengesellschaft  | 24/03/2014 | 2979261 | 14711783.2 | German |
| 2979308 | Aledia  | 28/03/2014 | 2979308 | 14715249.0 | French |
| 2979392 | Irdeto B.V.   | 27/03/2013 | 2979392 | 13880463.8 |        |
| 2980178 | BOE Technology Group Co., Ltd.<br>Beijing BOE Optoelectronics<br>Technology Co., Ltd. | 31/05/2013 | 2980178 | 13856066.9 |        |
| 2980607 | Fraunhofer-Gesellschaft zur Förderung<br>der angewandten Forschung e.V.               | 30/07/2015 | 2980607 | 15179056.5 |        |
| 2980934 | Mitsuboshi Diamond Industrial Co.,<br>Ltd.  | 20/03/2014 | 2980934 | 14775306.5 |        |
| 2981101 | Samsung Electronics Co., Ltd.   | 28/03/2014 | 2981101 | 14773799.3 |        |
| 2981372 | Kopetzky, Robert  | 03/04/2014 | 2981372 | 14714744.1 | German |
| 2981577 | Covestro Deutschland AG   | 01/04/2014 | 2981577 | 14718345.3 | German |
| 2981708 | General Electric Company  | 19/03/2014 | 2981708 | 14715819.0 |        |
| 2982376 | Amorepacific Corporation  | 27/03/2014 | 2982376 | 14779685.8 |        |
| 2982683 | SBC Virbac Biotech Co. Ltd.   | 21/03/2014 | 2982683 | 14768194.4 |        |
| 2982804 | Doosan Infracore Co., Ltd.  | 02/04/2014 | 2982804 | 14778132.2 |        |
| 2982960 | Dako Denmark A/S  | 09/12/2008 | 2982960 | 15185677.0 |        |
| 2983767 | SANOFI  | 08/04/2014 | 2983767 | 14717720.8 |        |
| 2983815 | Clariant International Ltd  | 20/03/2014 | 2983815 | 14712266.7 | German |
| 2986119 | University Of Cincinnati  | 16/04/2014 | 2986119 | 14785399.8 |        |
| 2987042 | Google LLC  | 15/04/2014 | 2987042 | 14784686.9 |        |
| 2987108 | Qualcomm Incorporated   | 15/04/2014 | 2987108 | 14725321.5 |        |
| 2987266 | Qualcomm Incorporated   | 07/04/2014 | 2987266 | 14722067.7 |        |
| 2987851 | Quanta Matrix Co., Ltd  | 02/05/2014 | 2987851 | 14791482.4 |        |
| 2987858 | Shin Nihon Seiyaku Co., Ltd.<br>Kyushu UniversityNational University<br>Corporation   | 17/04/2014 | 2987858 | 14786082.9 |        |
| 2988179 | Counas, Pascal, Daniel  | 17/10/2014 | 2988179 | 15185582.2 | French |
| 2988558 | Huawei Technologies Co., Ltd.   | 27/06/2014 | 2988558 | 14870644.3 |        |
| 2988749 | Merck Sharp & Dohme Corp.   | 22/04/2014 | 2988749 | 14788786.3 |        |
| 2988853 | Nanyang Technological University  | 28/04/2014 | 2988853 | 14787762.5 |        |
| 2988856 | Fiskars Finland Oy Ab   | 25/04/2014 | 2988856 | 14787989.4 |        |
| 2989070 | Merck Patent GmbH<br>Nano-C, Inc.   | 24/03/2014 | 2989070 | 14715541.0 |        |

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| 2989524 | Bayerische Motoren Werke<br>Aktiengesellschaft         | 24/04/2014             | 2989524      | 14720084.4 | German |
| 2989726 | Intel IP Corporation                                   | 13/12/2013             | 2989726      | 13882926.2 |        |
| 2989832 | Telefonaktiebolaget LM Ericsson (publ)                 | 24/04/2014             | 2989832      | 14724801.7 |        |
| 2991570 | DeGen Medical, Inc.                                    | 30/04/2014             | 2991570      | 14729143.9 |        |
| 2991998 | Virdia, Inc.   | 02/05/2014             | 2991998      | 14791180.4 |        |
| 2992842 | Ethicon LLC  | 07/09/2015             | 2992842      | 15184130.1 |        |
| 2993400 | General Electric Technology GmbH                       | 02/09/2014             | 2993400      | 14183182.6 |        |
| 2993679 | Electrolux Appliances Aktiebolag                       | 03/09/2014             | 2993679      | 14183315.2 |        |
| 2993818 | China Academy of Telecommunications<br>Technology      | 28/04/2014             | 2993818      | 14791296.8 |        |
| 2994730 | Illinois Tool Works Inc.                               | 30/04/2014             | 2994730      | 14730275.6 |        |
| 2994997 | TRW Limited  | 08/05/2014             | 2994997      | 14731318.3 |        |
| 2996036 | BULL SAS   | 26/08/2015             | 2996036      | 15182492.7 | French |
| 2996675 | BRIU GmbH  | 19/02/2015             | 2996675      | 15714404.9 | German |
| 2997195 | Vossloh-Werke GmbH                                     | 06/05/2014             | 2997195      | 14721878.8 | German |
| 2997422 | AZ Electronic Materials (Luxembourg)<br>S.à.r.l.       | 09/05/2014             | 2997422      | 14724698.7 |        |
| 2997585 | Exeger Operations AB                                   | 16/05/2014             | 2997585      | 14724751.4 |        |
| 2997759 | Qualcomm Incorporated                                  | 14/05/2014             | 2997759      | 14732694.6 |        |
| 2998504 | Garrett Transportation I Inc.                          | 14/09/2015             | 2998504      | 15184969.2 |        |
| 2999945 | Honeywell Limited                                      | 08/05/2014             | 2999945      | 14801728.8 |        |
| 3000001 | Coriolis Composites                                    | 20/05/2014             | 3000001      | 14729697.4 | French |
| 3000302 | CLAAS Selbstfahrende Erntemaschinen<br>GmbH            | 30/06/2015             | 3000302      | 15174522.1 | German |
| 3000877 | The University Court of the University<br>of Edinburgh | 09/06/2005             | 3000877      | 15187477.3 |        |
| 3000890 | 3P Biopharmaceuticals, S.L.                            | 20/05/2014             | 3000890      | 14801304.8 |        |
| 3001486 | Sumitomo Osaka Cement Co., Ltd.                        | 05/02/2015             | 3001486      | 15153921.0 |        |
| 3001904 | Biogenesis Animal Health                               | 11/06/2015             | 3001904      | 15810200.4 |        |
| 3002433 | Rolls-Royce Deutschland Ltd & Co KG                    | 25/09/2015             | 3002433      | 15186893.2 |        |
| 3002598 | Volvo Car Corporation                                  | 03/10/2014             | 3002598      | 14187621.9 |        |
| 3002918 | Huawei Technologies Co., Ltd.                          | 28/06/2013             | 3002918      | 13887708.9 |        |
| 3003038 | The Scripps Research Institute                         | 05/06/2014             | 3003038      | 14807059.2 |        |
| 3003162 | Samsung Electronics Co., Ltd.                          | 06/10/2014             | 3003162      | 14852061.2 |        |
| 3003979 | Solvay SA  | 21/05/2014             | 3003979      | 14726335.4 |        |
| 3004018 | Prysmian S.p.A.  | 06/06/2013             | 3004018      | 13727165.6 |        |

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| 3004359 | Icon Genetics GmbH   | 03/06/2014 | 3004359 | 14729590.1 |        |
| 3004454 | IMERTECH SAS   | 06/06/2014 | 3004454 | 14734411.3 |        |
| 3004658 | Safran Ceramics  | 27/05/2014 | 3004658 | 14731730.9 | French |
| 3004913 | Folkers, Willem  | 21/03/2014 | 3004913 | 14716036.0 |        |
| 3005553 | Telefonaktiebolaget LM Ericsson (publ)                               | 15/05/2014 | 3005553 | 14730587.4 |        |
| 3006127 | Kabushiki Kaisha Kobe Seiko Sho<br>(Kobe Steel, Ltd.)                | 15/05/2014 | 3006127 | 14803491.1 |        |
| 3006537 | Kureha Corporation   | 30/05/2014 | 3006537 | 14808150.8 |        |
| 3006568 | Cj Cheiljedang Corporation   | 03/06/2014 | 3006568 | 14807891.8 |        |
| 3006956 | Furuno Electric Co., Ltd.  | 13/05/2014 | 3006956 | 14804263.3 |        |
| 3007145 | Honeywell International Inc.   | 05/10/2015 | 3007145 | 15188431.9 |        |
| 3007274 | NEC Corporation  | 23/05/2014 | 3007274 | 14804383.9 |        |
| 3007383 | Hitachi, Ltd.  | 28/05/2013 | 3007383 | 13885881.6 |        |
| 3007911 | Compagnie Générale des<br>Etablissements Michelin                    | 05/06/2014 | 3007911 | 14729881.4 | French |
| 3008137 | Covestro Deutschland AG  | 11/06/2014 | 3008137 | 14729337.7 | German |
| 3008776 | Nokia Technologies OY  | 13/05/2014 | 3008776 | 14810610.7 |        |
| 3009078 | Covidien LP  | 13/10/2015 | 3009078 | 15189623.0 |        |
| 3009284 | Komatsu Ltd.   | 17/06/2014 | 3009284 | 14834110.0 |        |
| 3009526 | Nippon Steel Corporation   | 06/06/2014 | 3009526 | 14810534.9 |        |
| 3009541 | KABUSHIKI KAISHA TOYOTA<br>JIDOSHOKKI                                | 06/10/2015 | 3009541 | 15188499.6 |        |
| 3009601 | United Technologies Corporation                                      | 30/09/2015 | 3009601 | 15187602.6 |        |
| 3010050 | LG Innotek Co., Ltd.   | 02/10/2015 | 3010050 | 15188087.9 |        |
| 3010149 | COMMISSARIAT À L'ÉNERGIE<br>ATOMIQUE ET AUX ÉNERGIES<br>ALTERNATIVES | 28/09/2015 | 3010149 | 15187022.7 | French |
| 3010285 | Huawei Technologies Co., Ltd.  | 10/12/2014 | 3010285 | 14870020.6 |        |
| 3010535 | Integrated Biotherapeutics, Inc.                                     | 18/06/2014 | 3010535 | 14813512.2 |        |
| 3011423 | Samsung Electronics Co., Ltd.  | 23/04/2014 | 3011423 | 14812950.5 |        |
| 3011868 | Leonardo S.r.L.  | 29/09/2015 | 3011868 | 15187269.4 |        |
| 3011905 | Canon Kabushiki Kaisha   | 18/06/2014 | 3011905 | 14814467.8 |        |
| 3012105 | Canon Kabushiki Kaisha   | 08/10/2015 | 3012105 | 15188890.6 |        |
| 3012481 | Goodrich Corporation   | 22/10/2015 | 3012481 | 15190948.8 |        |
| 3012542 | Panasonic Intellectual Property<br>Management Co., Ltd.              | 10/06/2014 | 3012542 | 14814377.9 |        |
| 3012636 | Carl Freudenberg KG  | 05/10/2015 | 3012636 | 15188282.6 | German |
| 3012665 | Honeywell International Inc.   | 22/10/2015 | 3012665 | 15191072.6 |        |

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| 3012928 | NGK Spark Plug Co., Ltd.   | 13/10/2015             | 3012928      | 15189613.1 |        |
| 3013480 | QUANTIFOIL Instruments GmbH  | 27/06/2014             | 3013480      | 14734461.8 |        |
| 3013802 | Bayer Cropscience AG   | 24/06/2014             | 3013802      | 14732871.0 |        |
| 3014582 | General Electric Company   | 27/06/2014             | 3014582      | 14742086.3 |        |
| 3014859 | Telefonaktiebolaget LM Ericsson (publ)   | 27/06/2014             | 3014859      | 14755139.4 |        |
| 3014928 | Cisco Technology, Inc.   | 27/06/2014             | 3014928      | 14742661.3 |        |
| 3015822 | Toyota Jidosha Kabushiki Kaisha  | 28/09/2015             | 3015822      | 15187051.6 |        |
| 3017235 | L'Air Liquide Société Anonyme pour<br>l'Etude et l'Exploitation des Procédés<br>Georges Claude | 28/05/2014             | 3017235      | 14733231.6 | French |
| 3017678 | Amazonen-Werke H. Dreyer GmbH &<br>Co. KG  | 30/10/2015             | 3017678      | 15401107.6 | German |
| 3018044 | Fraunhofer-Gesellschaft zur Förderung<br>der angewandten Forschung e.V.                        | 04/11/2015             | 3018044      | 15193058.3 | German |
| 3018219 | SMS group GmbH   | 23/10/2015             | 3018219      | 15191347.2 | German |
| 3018254 | MOBA Mobile Automation AG  | 22/10/2015             | 3018254      | 15191111.2 | German |
| 3018558 | 4tiitoo GmbH   | 04/11/2014             | 3018558      | 14191697.3 |        |
| 3018939 | Panasonic Intellectual Property<br>Management Co., Ltd.  | 17/06/2014             | 3018939      | 14820523.0 |        |
| 3020583 | Hyundai Motor Company<br>Kia Motors Corporation  | 16/03/2015             | 3020583      | 15159176.5 |        |
| 3020854 | Murata Machinery, Ltd.   | 21/10/2015             | 3020854      | 15190812.6 |        |
| 3022626 | Stabilo International GmbH   | 17/07/2014             | 3022626      | 14741857.8 |        |
| 3024015 | Sintokogio, Ltd.<br>Nagoya Institute Of Technology   | 18/06/2014             | 3024015      | 14826661.2 |        |
| 3024295 | MediaTek Inc.  | 23/11/2015             | 3024295      | 15195857.6 |        |
| 3026323 | IVECO S.p.A.   | 11/11/2015             | 3026323      | 15194172.1 |        |
| 3027068 | Zumex Group S.A.   | 01/10/2013             | 3027068      | 13786430.2 |        |
| 3027153 | Lensar, Inc.   | 28/07/2014             | 3027153      | 14831847.0 |        |
| 3029530 | Nivarox-FAR S.A.   | 03/12/2014             | 3029530      | 14196157.3 | French |
| 3029539 | Delta Electronics, Inc.  | 18/11/2015             | 3029539      | 15195245.4 |        |
| 3029928 | Kyocera Corporation  | 30/07/2014             | 3029928      | 14832903.0 |        |
| 3031536 | Kabushiki Kaisha Saginomiya<br>Seisakusho  | 13/06/2014             | 3031536      | 14835006.9 |        |
| 3031589 | Quadra 1   | 10/12/2015             | 3031589      | 15199251.8 | French |
| 3031601 | Quadra 1   | 10/12/2015             | 3031601      | 15199252.6 | French |
| 3034034 | GC Corporation   | 11/06/2014             | 3034034      | 14835909.4 |        |

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| 3034483 | Commissariat à l'Énergie Atomique et<br>aux Énergies Alternatives | 16/12/2015 | 3034483 | 15200498.2 | French |
| 3034927 | ACG Pharma Technologies Private<br>Limited                        | 18/11/2015 | 3034927 | 15003270.4 | German |
| 3035490 | NOK9 ip AB  | 18/12/2015 | 3035490 | 15201227.4 |        |
| 3035551 | EMH metering GmbH & Co. KG  | 21/12/2015 | 3035551 | 15201719.0 | German |
| 3036856 | Telefonaktiebolaget LM Ericsson (publ)                            | 16/10/2013 | 3036856 | 13785670.4 |        |
| 3036926 | Intel Corporation   | 21/08/2013 | 3036926 | 13891949.3 |        |
| 3037123 | Nath, Iyunni Venkata Sesha Sayi                                   | 11/10/2011 | 3037123 | 15202820.5 |        |
| 3038392 | ZTE Corporation   | 25/04/2014 | 3038392 | 14838047.0 |        |
| 3038459 | Ewert, Terry S.   | 25/02/2014 | 3038459 | 14839050.3 |        |
| 3038595 | Evonik Degussa GmbH   | 25/08/2014 | 3038595 | 14755659.1 |        |
| 3039891 | Telefonaktiebolaget LM Ericsson (publ)                            | 26/08/2013 | 3039891 | 13892315.6 |        |
| 3040419 | Hanmi Pharm. Co., Ltd.  | 27/08/2014 | 3040419 | 14839952.0 |        |
| 3041155 | NXP B.V.  | 11/12/2015 | 3041155 | 15199530.5 |        |
| 3041256 | Xiaomi Inc.   | 15/09/2015 | 3041256 | 15185316.5 |        |
| 3042842 | Mitsubishi Shipbuilding Co., Ltd.                                 | 29/03/2012 | 3042842 | 16156367.1 |        |
| 3042903 | Impetis Biosciences Ltd.  | 19/02/2015 | 3042903 | 15155832.7 |        |
| 3043731 | Aerin Medical Inc.  | 09/09/2014 | 3043731 | 14843963.1 |        |
| 3043816 | MedImmune Limited   | 11/09/2014 | 3043816 | 14766962.6 |        |
| 3043975 | Bayerische Motoren Werke<br>Aktiengesellschaft                    | 25/08/2014 | 3043975 | 14761296.4 | German |
| 3044261 | ARLANXEO Singapore Pte. Ltd.                                      | 08/09/2014 | 3044261 | 14843002.8 |        |
| 3044577 | KOC Universitesi  | 09/09/2013 | 3044577 | 13803226.3 |        |
| 3044721 | Intel Corporation   | 08/09/2014 | 3044721 | 14843785.8 |        |
| 3044872 | BAE Systems Imaging Solutions Inc.                                | 27/08/2014 | 3044872 | 14843253.7 |        |
| 3045729 | Sulzer Management AG  | 08/12/2015 | 3045729 | 15198482.0 | German |
| 3046046 | Multidimension Technology Co., Ltd.                               | 10/09/2014 | 3046046 | 14843264.4 |        |
| 3046288 | Huawei Technologies Co., Ltd.                                     | 13/10/2014 | 3046288 | 14854959.5 |        |
| 3046459 | Novartis AG   | 04/11/2014 | 3046459 | 14872146.7 |        |
| 3046532 | Colgate-Palmolive Company   | 17/09/2013 | 3046532 | 13893719.8 |        |
| 3046558 | Emergent Virology LLC   | 15/09/2014 | 3046558 | 14844653.7 |        |
| 3047562 | Renault S.A.S.  | 12/09/2014 | 3047562 | 14784283.5 | French |
| 3048610 | Nidec Sankyo Corporation  | 17/09/2014 | 3048610 | 14845651.0 |        |
| 3048976 | Koninklijke Philips N.V.  | 11/09/2014 | 3048976 | 14792870.9 |        |
| 3049192 | Beneq OY  | 02/09/2014 | 3049192 | 14841877.5 |        |
| 3049431 | Council of Scientific and Industrial<br>Research                  | 25/09/2014 | 3049431 | 14805364.8 |        |

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| 3049542 | Técnicas Reunidas, S.A.   | 26/09/2014             | 3049542      | 14777071.3 |        |
| 3049567 | Speciality Fibres and Materials Limited   | 23/09/2014             | 3049567      | 14777120.8 |        |
| 3049596 | Zen Float Co. LLC   | 23/09/2014             | 3049596      | 14848316.7 |        |
| 3050351 | Google LLC  | 26/09/2014             | 3050351      | 14849102.0 |        |
| 3050505 | Fujifilm Corporation  | 25/09/2014             | 3050505      | 14847198.0 |        |
| 3050541 | Edwards Lifesciences Corporation  | 27/04/2009             | 3050541      | 16000197.0 |        |
| 3050933 | AGC Inc.  | 24/09/2014             | 3050933      | 14846997.6 |        |
| 3051241 | Andritz Technology and Asset Management GmbH  | 22/01/2016             | 3051241      | 16152365.9 | German |
| 3051428 | Peking University Founder Group Co., Ltd<br>Founder Apabi Technology Limited<br>Peking University | 06/12/2013             | 3051428      | 13894578.7 |        |
| 3052145 | Getinge Sterilization AB  | 03/10/2013             | 3052145      | 13774390.2 |        |
| 3052944 | SPD Swiss Precision Diagnostics GmbH  | 01/10/2014             | 3052944      | 14789347.3 |        |
| 3053052 | Hewlett Packard Enterprise Development LP   | 03/10/2013             | 3053052      | 13895079.5 |        |
| 3053449 | Fuji Oil Holdings Inc.  | 01/10/2014             | 3053449      | 14850233.9 |        |
| 3053494 | WMF Group GmbH  | 18/01/2016             | 3053494      | 16151714.9 | German |
| 3053623 | ResMed Pty Ltd  | 28/05/2009             | 3053623      | 16162737.7 |        |
| 3054003 | JenLab GmbH   | 09/02/2016             | 3054003      | 16154825.0 | German |
| 3054377 | BOE Technology Group Co., Ltd.<br>Hefei BOE Optoelectronics Technology Co., Ltd.                  | 17/04/2014             | 3054377      | 14861098.3 |        |
| 3054458 | LG Chem, Ltd.   | 29/09/2014             | 3054458      | 14850358.4 |        |
| 3054869 | Gyrus ACMI, Inc., d.b.a. Olympus Surgical Technologies America                                    | 17/12/2014             | 3054869      | 14822034.6 |        |
| 3054992 | Asana BioSciences, LLC  | 10/10/2014             | 3054992      | 14802528.1 |        |
| 3055164 | Honda Motor Company Limited   | 10/10/2013             | 3055164      | 13895220.5 |        |
| 3055368 | Rohm and Haas Company   | 10/10/2013             | 3055368      | 13895201.5 |        |
| 3055761 | Huawei Technologies Co., Ltd.   | 10/10/2014             | 3055761      | 14852742.7 |        |
| 3056190 | Hoyu Co., Ltd.  | 07/10/2013             | 3056190      | 13895185.0 |        |
| 3056345 | Seiko Epson Corporation   | 25/09/2015             | 3056345      | 15186867.6 |        |
| 3056359 | SUMITOMO RUBBER INDUSTRIES LIMITED  | 26/01/2016             | 3056359      | 16152658.7 |        |
| 3056393 | PSA Automobiles SA  | 05/02/2016             | 3056393      | 16154465.5 | French |
| 3056885 | General Electric Technology GmbH  | 11/02/2015             | 3056885      | 15154742.9 |        |

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| 3057010 | Harman International Industries, Inc.          | 10/02/2016 | 3057010 | 16155013.2 |        |
| 3057509 | Gutzeit, Andreas                               | 14/10/2014 | 3057509 | 14786782.4 |        |
| 3057628 | Medtronic MiniMed, Inc.                        | 09/10/2014 | 3057628 | 14787364.0 |        |
| 3057731 | Ceratizit Austria Gesellschaft M.b.H.          | 13/10/2014 | 3057731 | 14811751.8 | German |
| 3057794 | AGFA NV  | 29/09/2014 | 3057794 | 14784198.5 |        |
| 3057801 | SICPA HOLDING SA                               | 09/10/2014 | 3057801 | 14781894.2 |        |
| 3057875 | SpaceInvader ApS                               | 10/10/2014 | 3057875 | 14853665.9 |        |
| 3058027 | Dow Global Technologies LLC                    | 07/10/2014 | 3058027 | 14789454.7 |        |
| 3058701 | Siemens Aktiengesellschaft                     | 17/12/2014 | 3058701 | 14824802.4 | German |
| 3059018 | Bianchi, Enrico                                | 28/01/2016 | 3059018 | 16153185.0 |        |
|         | Bianchi, Maria Paola                           |            |         |            |        |
| 3060008 | Nokia Technologies Oy                          | 05/02/2016 | 3060008 | 16154361.6 |        |
| 3060090 | Breville PTY Limited                           | 20/10/2014 | 3060090 | 14853697.2 |        |
| 3060297 | MED-EL Elektromedizinische Geräte GmbH         | 24/10/2014 | 3060297 | 14855699.6 |        |
| 3060308 | Unilever PLC                                   | 22/10/2014 | 3060308 | 14793473.1 |        |
| 3061078 | GE Aviation Systems LLC                        | 24/10/2013 | 3061078 | 13854228.7 |        |
| 3061443 | Tecnologia Para la Medicina y la Estetica S.L. | 24/02/2015 | 3061443 | 15382076.6 |        |
| 3062029 | Sigarth AB                                     | 26/02/2015 | 3062029 | 15156815.1 |        |
| 3062759 | Lipotec, S.A.U                                 | 30/10/2014 | 3062759 | 14792493.0 |        |
| 3063280 | Invectys                                       | 28/10/2014 | 3063280 | 14790591.3 |        |
|         | Centre National de la Recherche Scientifique   |            |         |            |        |
| 3064587 | Leibniz-Institut für Pflanzenbiochemie (IPB)   | 06/03/2015 | 3064587 | 15158086.7 |        |
| 3065275 | Rolls-Royce North American Technologies, Inc.  | 01/03/2016 | 3065275 | 16158023.8 |        |
| 3065681 | The Procter & Gamble Company                   | 05/11/2014 | 3065681 | 14799649.0 |        |
| 3065801 | 3P Innovation Limited                          | 05/11/2014 | 3065801 | 14815405.7 |        |
| 3066106 | Acies Bio d.o.o.                               | 29/10/2014 | 3066106 | 14790616.8 |        |
|         | Rijksuniversiteit Groningen                    |            |         |            |        |
|         | Academisch Ziekenhuis Groningen                |            |         |            |        |
| 3066455 | Agency for Science, Technology and Research    | 04/11/2014 | 3066455 | 14858305.7 |        |
| 3066922 | KING AGRO EUROPA. S.L.                         | 08/11/2013 | 3066922 | 13896945.6 |        |
| 3067068 | Kominox, Inc.                                  | 09/05/2006 | 3067068 | 16162414.3 |        |
| 3068023 | Hamilton Sundstrand Corporation                | 03/02/2016 | 3068023 | 16154029.9 |        |

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| 3068045 | Intel IP Corporation  | 21/01/2016             | 3068045      | 16152327.9 |        |
| 3068108 | Samsung Electronics Co., Ltd.   | 19/01/2016             | 3068108      | 16151832.9 |        |
| 3068561 | United Technologies Corporation   | 28/10/2014             | 3068561      | 14859678.6 |        |
| 3068684 | Piaggio&C. S.p.A.   | 10/10/2014             | 3068684      | 14798977.6 |        |
| 3068688 | Norsepower Oy Ltd   | 11/11/2014             | 3068688      | 14819039.0 |        |
| 3068933 | DSM IP Assets B.V.  | 04/11/2014             | 3068933      | 14793147.1 |        |
| 3069798 | Wacker Neuson Produktion GmbH & Co. KG                                  | 17/03/2015             | 3069798      | 15000796.1 | German |
| 3070430 | Nissan Motor Co., Ltd.  | 05/09/2014             | 3070430      | 14861295.5 |        |
| 3070633 | Intel Corporation   | 01/02/2016             | 3070633      | 16153672.7 |        |
| 3070892 | ZTE Corporation   | 30/05/2014             | 3070892      | 14861533.9 |        |
| 3071284 | C.R. Bard, Inc.   | 21/11/2014             | 3071284      | 14864273.9 |        |
| 3071643 | Nova Chemicals (International) S.A.                                     | 06/11/2014             | 3071643      | 14802198.3 |        |
| 3072037 | Wacom Co., Ltd.   | 19/11/2014             | 3072037      | 14863515.4 |        |
| 3072039 | Wacom Co., Ltd.   | 19/11/2014             | 3072039      | 14864011.3 |        |
| 3072863 | Swisspearl Group AG   | 22/03/2016             | 3072863      | 16161538.0 | German |
| 3073246 | National Institute of Biology<br>Arhel<br>Envit<br>Univerza v Ljubljani | 27/03/2015             | 3073246      | 15161547.3 |        |
| 3073368 | Lenovo (Singapore) Pte. Ltd.  | 29/03/2016             | 3073368      | 16162713.8 |        |
| 3073709 | Intel Corporation   | 02/02/2016             | 3073709      | 16153890.5 |        |
| 3073715 | LG Electronics Inc.   | 08/01/2016             | 3073715      | 16150525.0 |        |
| 3073782 | Nokia Solutions and Networks Oy   | 26/03/2015             | 3073782      | 15161123.3 |        |
| 3074101 | Ironburg Inventions Limited   | 27/11/2014             | 3074101      | 14802929.1 |        |
| 3074389 | Gilead Sciences, Inc.   | 26/11/2013             | 3074389      | 13802824.6 |        |
| 3074499 | Ecolab USA Inc.   | 26/11/2013             | 3074499      | 13798633.7 |        |
| 3074968 | PSA Automobiles SA<br>Centre National de la Recherche<br>Scientifique   | 24/11/2014             | 3074968      | 14814941.2 | French |
| 3075097 | Portland State University   | 26/11/2014             | 3075097      | 14876408.7 |        |
| 3075370 | Gomez Cores, Arturo   | 30/03/2015             | 3075370      | 15382152.5 |        |
| 3075480 | Leitz GmbH & Co. KG   | 29/03/2016             | 3075480      | 16162664.3 | German |
| 3075551 | Globeride, Inc.   | 10/03/2016             | 3075551      | 16159665.5 |        |
| 3075553 | Brother Kogyo Kabushiki Kaisha  | 24/03/2016             | 3075553      | 16162391.3 |        |
| 3075780 | Kuraray Co., Ltd.   | 25/11/2014             | 3075780      | 14864027.9 |        |
| 3075979 | Yanmar Co., Ltd.  | 22/10/2014             | 3075979      | 14856433.9 |        |
| 3076283 | Advanced Digital Broadcast S.A.   | 31/03/2015             | 3076283      | 15161813.9 |        |



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| 3076714 | Kyocera Corporation   | 26/11/2014 | 3076714 | 14865233.2 |        |
| 3076878 | Henderson, Carson Thomas  | 05/12/2014 | 3076878 | 14868532.4 |        |
| 3077419 | Innovative Targeting Solutions Inc.   | 04/12/2014 | 3077419 | 14868266.9 |        |
| 3077504 | Dana-Farber Cancer Institute, Inc.  | 05/12/2014 | 3077504 | 14824621.8 |        |
| 3077751 | Webasto SE  | 05/12/2014 | 3077751 | 14808991.5 | German |
| 3077869 | Google LLC  | 06/11/2014 | 3077869 | 14867066.4 |        |
| 3077907 | Nokia Solutions and Networks Oy   | 06/12/2013 | 3077907 | 13802597.8 |        |
| 3078079 | Tyco Electronics SIMEL<br>Tyco Electronics Brasil Ltda<br>TE Connectivity Corporation | 05/12/2014 | 3078079 | 14809817.1 |        |
| 3078566 | KABUSHIKI KAISHA TOKAI-RIKA-<br>DENKI-SEISAKUSHO                                      | 05/04/2016 | 3078566 | 16163795.4 |        |
| 3078718 | The Boeing Company  | 05/04/2016 | 3078718 | 16163816.8 |        |
| 3079264 | Tsinghua University   | 04/12/2014 | 3079264 | 14861561.0 |        |
| 3079400 | Huawei Technologies Co., Ltd.   | 03/01/2014 | 3079400 | 14877151.2 |        |
| 3079501 | Société des Produits Nestlé S.A.  | 03/09/2014 | 3079501 | 14758932.9 |        |
| 3079679 | Cellmid Limited   | 12/12/2014 | 3079679 | 14869892.1 |        |
| 3079819 | General Electric Company  | 14/11/2014 | 3079819 | 14799151.7 |        |
| 3080069 | Saudi Arabian Oil Company   | 02/12/2014 | 3080069 | 14816037.7 |        |
| 3080085 | UCB Biopharma SPRL  | 08/12/2014 | 3080085 | 14811828.4 |        |
| 3080554 | Behr-Hella Thermocontrol GmbH   | 09/12/2014 | 3080554 | 14809391.7 | German |
| 3080702 | Intel Corporation   | 12/12/2013 | 3080702 | 13899151.8 |        |
| 3080751 | Apple Inc.  | 09/12/2014 | 3080751 | 14809638.1 |        |
| 3081301 | Luminex Corporation   | 04/05/2012 | 3081301 | 16168386.7 |        |
| 3081921 | Heraeus Electro-Nite International N.V.   | 16/04/2015 | 3081921 | 15163879.8 |        |
| 3081958 | Honeywell International Inc.  | 05/04/2016 | 3081958 | 16163949.7 |        |
| 3082107 | Imagination Technologies Limited  | 24/03/2016 | 3082107 | 16162319.4 |        |
| 3082417 | Dow Global Technologies LLC   | 19/12/2013 | 3082417 | 13899765.5 |        |
| 3082448 | Spécialités Pet Food  | 12/12/2014 | 3082448 | 14820799.6 |        |
| 3082611 | Koninklijke Philips N.V.  | 15/12/2014 | 3082611 | 14820815.0 |        |
| 3083232 | BASF SE   | 16/12/2014 | 3083232 | 14812518.0 | German |
| 3083346 | Audi AG   | 16/12/2014 | 3083346 | 14814773.9 | German |
| 3083721 | Saudi Basic Industries Corporation<br>SABIC Global Technologies B.V.                  | 19/12/2014 | 3083721 | 14815741.5 |        |
| 3084006 | Luminex Corporation   | 18/12/2014 | 3084006 | 14872622.7 |        |
| 3084036 | Colgate-Palmolive Company   | 18/12/2014 | 3084036 | 14824321.5 |        |
| 3084099 | RKW SE<br>Surteco SE  | 17/12/2014 | 3084099 | 14828013.4 | German |

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| 3084628 | Siemens Aktiengesellschaft                                   | 11/12/2014             | 3084628      | 14816192.0 |        |
| 3084759 | Google LLC   | 29/09/2015             | 3084759      | 15781811.3 |        |
| 3084900 | ERNI Production GmbH & Co. KG                                | 19/12/2014             | 3084900      | 14833120.0 | German |
| 3085059 | Camelot UK Bidco Limited                                     | 16/12/2014             | 3085059      | 14818943.4 |        |
| 3085196 | Telecom Italia S.p.A.  | 20/12/2013             | 3085196      | 13818744.8 |        |
| 3085561 | Vos Logistics Breukelen B.V.                                 | 21/04/2016             | 3085561      | 16166330.7 |        |
| 3085782 | Asahi Kasei Kabushiki Kaisha                                 | 05/12/2014             | 3085782      | 14871788.7 |        |
| 3085877 | BHK GmbH & Co. KG<br>Ludewig GmbH                            | 12/02/2016             | 3085877      | 16155444.9 | German |
| 3085907 | Nifco Inc.   | 05/12/2014             | 3085907      | 14870727.6 |        |
| 3085957 | MITSUBISHI HEAVY INDUSTRIES,<br>LTD.                         | 11/05/2015             | 3085957      | 16171889.5 |        |
| 3086090 | Honeywell International Inc.                                 | 07/04/2016             | 3086090      | 16164336.6 |        |
| 3086377 | Shindengen Electric Manufacturing Co.,<br>Ltd.               | 17/12/2013             | 3086377      | 13899599.8 |        |
| 3086512 | ZTE Corporation  | 19/06/2014             | 3086512      | 14872593.0 |        |
| 3086759 | L'Oréal  | 19/12/2014             | 3086759      | 14815763.9 |        |
| 3087136 | Arlanxeo Singapore Pte. Ltd.                                 | 22/12/2014             | 3087136      | 14873807.3 |        |
| 3087141 | Arlanxeo Singapore Pte. Ltd.                                 | 22/12/2014             | 3087141      | 14873373.6 |        |
| 3087790 | Telefonaktiebolaget LM Ericsson (publ)                       | 23/12/2013             | 3087790      | 13824682.2 |        |
| 3087888 | LG Electronics Inc.  | 23/12/2013             | 3087888      | 13900400.6 |        |
| 3088549 | Kabushiki Kaisha Kobe Seiko Sho<br>(Kobe Steel, Ltd.)        | 22/12/2014             | 3088549      | 14873243.1 |        |
| 3089318 | Peucon GmbH  | 27/04/2016             | 3089318      | 16000966.8 | German |
| 3089422 | Huawei Technologies Co., Ltd.                                | 08/01/2014             | 3089422      | 14877826.9 |        |
| 3089840 | United Technologies Corporation                              | 05/12/2014             | 3089840      | 14884070.5 |        |
| 3089976 | Teva Pharmaceuticals International<br>GmbH                   | 02/01/2015             | 3089976      | 15700325.2 |        |
| 3090313 | Siemens Aktiengesellschaft                                   | 31/12/2014             | 3090313      | 14876427.7 |        |
| 3090326 | Nokia Technologies Oy  | 03/12/2014             | 3090326      | 14812281.5 |        |
| 3091578 | Beijing Visionox Technology Co., Ltd.<br>Tsinghua University | 29/12/2014             | 3091578      | 14877417.7 |        |
| 3092009 | AuXin Surgery SA   | 05/01/2015             | 3092009      | 15700023.3 |        |
| 3092244 | Cornell University   | 12/01/2015             | 3092244      | 15735399.6 |        |
| 3092522 | Signify Holding B.V.   | 19/12/2014             | 3092522      | 14833241.4 |        |
| 3092664 | Lumileds Holding B.V.  | 02/01/2015             | 3092664      | 15701246.9 |        |
| 3092677 | CommScope Technologies LLC                                   | 04/11/2014             | 3092677      | 14802746.9 |        |
| 3092765 | Google LLC   | 23/12/2014             | 3092765      | 14878276.6 |        |

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| 3093311 | Taiki Corp., Ltd.   | 07/01/2015 | 3093311 | 15735131.3 |        |
| 3093358 | Nippon Steel Corporation  | 06/01/2014 | 3093358 | 14876061.4 |        |
| 3094000 | VIA Alliance Semiconductor Co., Ltd.                              | 19/11/2015 | 3094000 | 15195280.1 |        |
| 3094260 | Canon Kabushiki Kaisha  | 08/01/2015 | 3094260 | 15737331.7 |        |
| 3094261 | Canon Kabushiki Kaisha  | 08/01/2015 | 3094261 | 15737372.1 |        |
| 3094863 | Schaeffler Technologies AG & Co. KG                               | 28/08/2014 | 3094863 | 14766896.6 | German |
| 3095462 | Order-Made Medical Research Inc.                                  | 15/01/2015 | 3095462 | 15737917.3 |        |
| 3095551 | Rolls-Royce plc   | 13/05/2016 | 3095551 | 16169613.3 |        |
| 3095856 | Mayo Foundation for Medical<br>Education and Research             | 16/09/2009 | 3095856 | 16170752.6 |        |
| 3095888 | Nippon Steel & Sumikin Stainless Steel<br>Corporation             | 14/01/2015 | 3095888 | 15737113.9 |        |
| 3096082 | Doosan Heavy Industries &<br>Construction Co., Ltd.               | 20/05/2016 | 3096082 | 16170544.7 |        |
| 3096469 | Sanechips Technology Co., Ltd.                                    | 01/04/2014 | 3096469 | 14878650.2 |        |
| 3096669 | The Procter & Gamble Company                                      | 22/01/2015 | 3096669 | 15704631.9 |        |
| 3096930 | Broetje-Automation GmbH   | 13/10/2014 | 3096930 | 14790025.2 | German |
| 3096945 | 3M Innovative Properties Company                                  | 09/01/2015 | 3096945 | 15737590.8 |        |
| 3097444 | Office National d'Etudes et de<br>Recherches Aéropatiales (ONERA) | 23/01/2015 | 3097444 | 15705513.8 | French |
| 3097871 | Coloplast A/S   | 27/05/2015 | 3097871 | 15305793.0 |        |
| 3097904 | Affichem  | 29/05/2015 | 3097904 | 15305836.7 |        |
| 3097917 | Fred Hutchinson Cancer Research<br>Center                         | 11/04/2011 | 3097917 | 16166225.9 |        |
| 3098328 | JFE Steel Corporation   | 08/01/2015 | 3098328 | 15740472.4 |        |
| 3098517 | Whirlpool Corporation   | 06/05/2016 | 3098517 | 16168641.5 |        |
| 3099066 | Godo Kaisha IP Bridge 1   | 22/11/2002 | 3099066 | 16175243.1 |        |
| 3099416 | DSM IP Assets B.V.  | 30/01/2015 | 3099416 | 15742721.2 |        |
| 3099509 | Hewlett-Packard Development<br>Company, L.P.                      | 31/01/2014 | 3099509 | 14880532.8 |        |
| 3099942 | Woodward, Inc.  | 30/01/2015 | 3099942 | 15703714.4 |        |
| 3100051 | Proteinlogic Limited  | 30/01/2015 | 3100051 | 15702571.9 |        |
| 3100083 | Carl Zeiss SMT GmbH   | 29/01/2015 | 3100083 | 15705920.5 | German |
| 3101203 | FERCO   | 31/05/2016 | 3101203 | 16172178.2 | French |
| 3101298 | JTEKT CORPORATION   | 24/12/2014 | 3101298 | 14874291.9 |        |
| 3102072 | Prandelli, Vigilio  | 05/02/2015 | 3102072 | 15710896.0 |        |
| 3102141 | Koninklijke Philips N.V.  | 26/01/2015 | 3102141 | 15708884.0 |        |
| 3102754 | Apple Inc.  | 05/02/2015 | 3102754 | 15706090.6 |        |

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| 3103268 | Google LLC  | 17/03/2015             | 3103268      | 15765376.7 |        |
| 3103545 | Pure Infinity<br>Universitat de València  | 23/01/2015             | 3103545      | 15710237.7 |        |
| 3104152 | ABB Schweiz AG  | 08/06/2015             | 3104152      | 15170998.7 |        |
| 3105359 | Brunel University London  | 10/02/2015             | 3105359      | 15712401.7 |        |
| 3106391 | The Boeing Company  | 17/06/2016             | 3106391      | 16175020.3 |        |
| 3106408 | SARTORIUS STEDIM FMT SAS  | 25/05/2010             | 3106408      | 16170052.1 | French |
| 3107220 | LG Electronics Inc.   | 08/03/2016             | 3107220      | 16159133.4 |        |
| 3107235 | Mitsubishi Electric Corporation   | 16/06/2015             | 3107235      | 15172285.7 |        |
| 3107689 | ANT Applied New Technologies AG   | 19/02/2014             | 3107689      | 14705355.7 | German |
| 3107719 | Gea Process Engineering NV  | 20/02/2014             | 3107719      | 14709410.6 |        |
| 3108135 | Robert Bosch GmbH   | 22/12/2014             | 3108135      | 14816303.3 | German |
| 3108293 | Microvision, Inc.   | 03/02/2015             | 3108293      | 15751924.0 |        |
| 3108550 | Plumettaz Holding S.A.  | 17/02/2015             | 3108550      | 15705971.8 |        |
| 3108559 | Phoenix Contact GmbH & Co. KG   | 20/01/2015             | 3108559      | 15700595.0 | German |
| 3108674 | Gemalto SA  | 23/01/2015             | 3108674      | 15702199.9 |        |
| 3108998 | Ebara Corporation   | 12/02/2015             | 3108998      | 15748812.3 |        |
| 3109336 | Maruemu Works Co., Ltd<br>Tohoku Techno Arch Co., Ltd.                              | 05/02/2015             | 3109336      | 15752219.4 |        |
| 3109380 | Athmer oHG  | 21/06/2016             | 3109380      | 16175523.6 | German |
| 3109637 | JSR Life Sciences Corporation<br>JSR Corporation                                    | 10/02/2015             | 3109637      | 15746141.9 |        |
| 3109786 | BlackBerry Limited  | 16/06/2016             | 3109786      | 16174841.3 |        |
| 3109928 | Airbus Defence and Space GmbH   | 24/06/2015             | 3109928      | 15173709.5 | German |
| 3109978 | Mahle International GmbH  | 18/09/2015             | 3109978      | 15185788.5 |        |
| 3109989 | Murata Manufacturing Co., Ltd.  | 19/02/2015             | 3109989      | 15752093.3 |        |
| 3110139 | Panasonic Intellectual Property<br>Corporation of America                           | 08/01/2015             | 3110139      | 15751747.5 |        |
| 3110338 | Koninklijke Philips N.V.  | 22/01/2015             | 3110338      | 15708586.1 |        |
| 3110771 | Hunsrücker Glasveredelung Wagener<br>GmbH & Co. KG<br>HEGLA boraident GmbH & Co. KG | 19/02/2015             | 3110771      | 15714759.6 | German |
| 3111122 | Pierburg GmbH   | 09/02/2015             | 3111122      | 15704982.6 | German |
| 3111570 | Schmidt, Michael<br>Kunz, Reiner  | 25/11/2014             | 3111570      | 14818892.3 |        |
| 3111584 | GEMALTO SA  | 20/02/2015             | 3111584      | 15707072.3 |        |
| 3111918 | Adeka Corporation   | 16/12/2014             | 3111918      | 14883082.1 |        |

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| 3112206 | TOYOTA JIDOSHA KABUSHIKI<br>KAISHA                   | 19/01/2015 | 3112206 | 15754859.5 |        |
| 3113072 | Samsung Electronics Co., Ltd.                        | 08/06/2016 | 3113072 | 16173498.3 |        |
| 3113111 | AGFA NV  | 03/07/2015 | 3113111 | 15175174.0 |        |
| 3113167 | Samsung Display Co., Ltd.                            | 29/06/2016 | 3113167 | 16177014.4 |        |
| 3113335 | Kobelco Construction Machinery Co.,<br>Ltd.          | 22/06/2016 | 3113335 | 16175628.3 |        |
| 3113780 | Merck Sharp & Dohme Corp.<br>Merck Canada Inc.       | 02/03/2015 | 3113780 | 15759159.5 |        |
| 3113927 | NIKE Innovate C.V.                                   | 10/02/2015 | 3113927 | 15706334.8 |        |
| 3114203 | The Procter & Gamble Company                         | 06/03/2015 | 3114203 | 15712216.9 |        |
| 3114377 | Hypertherm, Inc.                                     | 09/03/2015 | 3114377 | 15711381.2 |        |
| 3116576 | Morpheus Medical Solutions LLC                       | 06/03/2015 | 3116576 | 15713263.0 |        |
| 3116698 | EuWe Eugen Wexler Holding GmbH &<br>Co. KG           | 12/03/2015 | 3116698 | 15718128.0 | German |
| 3116883 | Umicore AG & Co. KG                                  | 12/03/2015 | 3116883 | 15709677.7 | German |
| 3117734 | Franz Miederhoff oHG                                 | 04/07/2016 | 3117734 | 16177806.3 | German |
| 3118305 | Zhejiang Hisun Pharmaceutical Co. Ltd.               | 28/04/2014 | 3118305 | 14885605.7 |        |
| 3119238 | Patent Lab S.A                                       | 18/03/2015 | 3119238 | 15718608.1 |        |
| 3119594 | GTM-Advanced Products B.V.                           | 16/03/2015 | 3119594 | 15715491.5 |        |
| 3119839 | Rhodia Operations                                    | 18/03/2015 | 3119839 | 15764660.5 |        |
| 3119846 | CSL Silicones Inc.                                   | 19/03/2015 | 3119846 | 15764931.0 |        |
| 3120289 | BlackBerry Limited                                   | 18/03/2015 | 3120289 | 15765429.4 |        |
| 3120293 | AGFA NV  | 17/03/2015 | 3120293 | 15710185.8 |        |
| 3120615 | LG Electronics Inc.                                  | 09/03/2015 | 3120615 | 15765815.4 |        |
| 3120913 | EKO Muhendislik Sanayi ve Ticaret<br>Limited Sirketi | 01/07/2016 | 3120913 | 16177600.0 |        |
| 3121198 | Generon (Shanghai) Corporation Ltd.                  | 25/05/2011 | 3121198 | 16185991.3 |        |
| 3122012 | HUAWEI TECHNOLOGIES CO.,<br>LTD.                     | 16/05/2014 | 3122012 | 14891784.2 |        |
| 3122167 | FUJI Corporation                                     | 17/03/2014 | 3122167 | 14886494.5 |        |
| 3122510 | Grenzebach Maschinenbau GmbH                         | 13/03/2015 | 3122510 | 15715965.8 | German |
| 3122836 | Cabot Microelectronics Corporation                   | 20/03/2015 | 3122836 | 15769819.2 |        |
| 3123126 | Honeywell International Inc.                         | 16/03/2015 | 3123126 | 15769197.3 |        |
| 3123304 | Intel Corporation                                    | 27/03/2014 | 3123304 | 14737319.5 |        |
| 3124440 | Microfilter Co., Ltd.<br>Dong, Joung Whi             | 14/04/2016 | 3124440 | 16165286.2 |        |

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| 3124670 | Haier Group Corporation<br>Qingdao Haier Washing Machine Co.,<br>Ltd.  | 28/11/2014             | 3124670      | 14887286.4 |        |
| 3125223 | JVC Kenwood Corporation  | 17/03/2015             | 3125223      | 15769143.7 |        |
| 3125278 | Mitsubishi Electric Corporation  | 17/09/2014             | 3125278      | 14887601.4 |        |
| 3125872 | Hanmi Pharm. Co., Ltd.   | 20/03/2015             | 3125872      | 15773354.4 |        |
| 3126279 | Browne-Wilkinson, Oliver<br>Modernise UK Ltd.  | 02/04/2015             | 3126279      | 15720795.2 |        |
| 3126442 | DOW GLOBAL TECHNOLOGIES<br>LLC   | 20/03/2015             | 3126442      | 15774048.1 |        |
| 3127113 | Qualcomm Incorporated  | 31/03/2015             | 3127113      | 15717337.8 |        |
| 3127283 | Microsoft Technology Licensing, LLC  | 26/03/2015             | 3127283      | 15717322.0 |        |
| 3128101 | Rexpol SRL   | 21/06/2016             | 3128101      | 16175494.0 |        |
| 3128692 | HUAWEI TECHNOLOGIES CO.,<br>LTD.   | 25/04/2014             | 3128692      | 14890081.4 |        |
| 3128803 | Huawei Technologies Co., Ltd.  | 17/12/2014             | 3128803      | 14872615.1 |        |
| 3128925 | Fasciotens GmbH  | 07/04/2015             | 3128925      | 15713535.1 | German |
| 3129333 | United States Gypsum Company   | 02/04/2015             | 3129333      | 15716683.6 |        |
| 3129890 | VIA Alliance Semiconductor Co., Ltd.   | 14/12/2014             | 3129890      | 14891610.9 |        |
| 3130037 | Huawei Technologies Co. Ltd.   | 27/06/2015             | 3130037      | 15814201.8 |        |
| 3130104 | Guardtime SA   | 13/04/2015             | 3130104      | 15718819.4 |        |
| 3130215 | BONDUELLE  | 10/08/2016             | 3130215      | 16183495.7 | French |
| 3130455 | Bridgestone Corporation  | 07/04/2015             | 3130455      | 15776660.1 |        |
| 3130592 | Hubei Bio-Pharmaceutical Industrial<br>Technological Institute Inc.<br>Humanwell Healthcare (Group) Co.,<br>Ltd. | 30/03/2015             | 3130592      | 15777444.9 |        |
| 3131148 | Kabushiki Kaisha Nihon Micronics<br>Guala Technology Co., Ltd.   | 03/04/2014             | 3131148      | 14880372.9 |        |
| 3131492 | Fiagon AG Medical Technologies   | 14/04/2015             | 3131492      | 15717853.4 | German |
| 3131724 | Master Dynamic Limited   | 16/04/2015             | 3131724      | 15779777.0 |        |
| 3132267 | Siemens Healthcare Diagnostics Inc.  | 17/04/2015             | 3132267      | 15780576.3 |        |
| 3132327 | Qualcomm Incorporated  | 13/03/2015             | 3132327      | 15714078.1 |        |
| 3132427 | Stanley Black & Decker, Inc.   | 13/04/2015             | 3132427      | 15779598.0 |        |
| 3132477 | Merck Patent GmbH  | 19/03/2015             | 3132477      | 15710719.4 |        |
| 3133070 | Genzyme Corporation  | 24/11/2010             | 3133070      | 16175117.7 |        |

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| 3133109 | Mitsubishi Gas Chemical Company,<br>Inc.<br>MGC Filsheet Co., Ltd.   | 10/04/2015 | 3133109 | 15779819.0 |        |
| 3133166 | 42 life sciences GmbH & Co. KG   | 09/09/2015 | 3133166 | 15184389.3 | German |
| 3133876 | Sharp Kabushiki Kaisha   | 14/04/2015 | 3133876 | 15779434.8 |        |
| 3134349 | IEG Technologie GmbH<br>Sersys Ambiente S.r.l.<br>Università degli Studi di Roma "La<br>Sapienza"                                      | 16/04/2015 | 3134349 | 15724053.2 |        |
| 3134380 | BASF SE  | 20/04/2015 | 3134380 | 15720628.5 | German |
| 3134907 | Würth Elektronik eiSos GmbH & Co.<br>KG  | 09/04/2015 | 3134907 | 15717127.3 | German |
| 3134980 | Marposs Societa' Per Azioni  | 22/04/2015 | 3134980 | 15719442.4 |        |
| 3135076 | Saint-Gobain Glass France  | 21/04/2015 | 3135076 | 15719434.1 | German |
| 3135225 | Covidien LP  | 12/03/2014 | 3135225 | 16187137.1 |        |
| 3135525 | Iseki & Co., Ltd.  | 18/08/2016 | 3135525 | 16184779.3 |        |
| 3135697 | China Petroleum&Chemical<br>Corporation<br>Beijing Research Institute of Chemical<br>IndustryChina Petroleum & Chemical<br>Corporation | 24/04/2015 | 3135697 | 15782847.6 |        |
| 3136085 | Spectroscopic Science Laboratory Co.<br>Ltd.   | 26/08/2015 | 3136085 | 15838900.7 |        |
| 3136633 | Airbus Defence and Space GmbH  | 22/08/2016 | 3136633 | 16185101.9 |        |
| 3136973 | Mazor Robotics Ltd.  | 28/04/2015 | 3136973 | 15785365.6 |        |
| 3137126 | Encapson B.V.  | 30/04/2015 | 3137126 | 15720959.4 |        |
| 3137831 | Maguire, Stephen B.<br>Maguire Products, Inc.  | 30/04/2015 | 3137831 | 15785821.8 |        |
| 3137832 | BMA Braunschweigische<br>Maschinenbauanstalt AG  | 09/03/2015 | 3137832 | 15710008.2 | German |
| 3138418 | Japan Tobacco, Inc.  | 01/06/2015 | 3138418 | 15803043.7 |        |
| 3138825 | Dresdner Lackfabrik novatic GmbH Co.<br>KG   | 02/09/2016 | 3138825 | 16187079.5 | German |
| 3138968 | TECE GmbH  | 16/06/2010 | 3138968 | 16188453.1 | German |
| 3139242 | Apple Inc.   | 31/08/2016 | 3139242 | 16186539.9 |        |
| 3139254 | BOE Technology Group Co., Ltd.<br>Beijing BOE Display Technology Co.,<br>Ltd.  | 11/10/2014 | 3139254 | 14861166.8 |        |

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| 3139922 | Emory University                             | 05/05/2015             | 3139922      | 15788649.0 |        |
| 3140071 | Guenther, Christian                          | 26/01/2016             | 3140071      | 16710912.3 | German |
| 3140300 | Evotec International GmbH                    | 30/04/2015             | 3140300      | 15720077.5 |        |
| 3140506 | Halliburton Energy Services, Inc.            | 13/07/2015             | 3140506      | 15821352.0 |        |
| 3140520 | Schaeffler Technologies AG & Co. KG          | 10/03/2015             | 3140520      | 15716418.7 | German |
| 3140632 | Robert Bosch GmbH                            | 13/03/2015             | 3140632      | 15711455.4 | German |
| 3140795 | Visa International Service Association       | 07/05/2015             | 3140795      | 15789702.6 |        |
| 3140834 | Micron Technology, Inc.                      | 04/05/2015             | 3140834      | 15788992.4 |        |
| 3141086 | Xicato, Inc.                                 | 05/05/2015             | 3141086      | 15725920.1 |        |
| 3141260 | Janssen Biotech, Inc.                        | 29/11/2010             | 3141260      | 16194473.1 |        |
| 3141429 | Ichikoh Industries, Ltd.                     | 09/05/2014             | 3141429      | 14891440.1 |        |
| 3141578 | Sumitomo Rubber Industries, Ltd.             | 08/09/2016             | 3141578      | 16187845.9 |        |
| 3141627 | Nippon Steel Corporation                     | 15/06/2015             | 3141627      | 15807136.5 |        |
| 3141704 | Mitsubishi Hitachi Power Systems, Ltd.       | 28/09/2011             | 3141704      | 16191783.6 |        |
| 3141731 | Honeywell International Inc.                 | 02/09/2016             | 3141731      | 16187132.2 |        |
| 3141870 | SKF MAGNETIC MECHATRONICS                    | 09/09/2015             | 3141870      | 15306373.0 |        |
| 3142398 | FUJITSU LIMITED                              | 16/08/2016             | 3142398      | 16184292.7 |        |
| 3142765 | Brigham Young University                     | 15/05/2015             | 3142765      | 15793306.0 |        |
| 3143041 | Cleveland Heartlab, Inc.                     | 15/05/2015             | 3143041      | 15792711.2 |        |
| 3143070 | Shakespeare Company, LLC                     | 14/05/2015             | 3143070      | 15728243.5 |        |
| 3143217 | Armstrong World Industries, Inc.             | 14/05/2015             | 3143217      | 15724916.0 |        |
| 3143234 | Halliburton Energy Services, Inc.            | 28/07/2014             | 3143234      | 14899017.9 |        |
| 3143366 | Schlage Lock Company LLC                     | 13/05/2015             | 3143366      | 15792920.9 |        |
| 3143508 | Centurylink Intellectual Property LLC        | 29/04/2015             | 3143508      | 15792885.4 |        |
| 3143842 | Signify Holding B.V.                         | 28/04/2015             | 3143842      | 15727463.0 |        |
| 3143985 | L'OREAL                                      | 04/03/2010             | 3143985      | 16196203.0 | French |
|         | Société des Produits Nestlé S.A.             |                        |              |            |        |
| 3144309 | Nissan Chemical Corporation                  | 11/05/2015             | 3144309      | 15791895.4 |        |
| 3144415 | Nippon Steel Corporation                     | 15/05/2015             | 3144415      | 15792205.5 |        |
|         | Vallourec Oil and Gas France                 |                        |              |            |        |
| 3144619 | Colorobbia México, S.A De C.V                | 14/05/2015             | 3144619      | 15729530.4 |        |
| 3145205 | Sony Corporation                             | 05/12/2014             | 3145205      | 14892054.9 |        |
| 3145317 | Bunge Loders Croklaan B.V.                   | 15/05/2015             | 3145317      | 15724586.1 |        |
| 3145727 | Hewlett-Packard Development<br>Company, L.P. | 20/05/2014             | 3145727      | 14892852.6 |        |
| 3145793 | Valeo Schalter und Sensoren GmbH             | 17/04/2015             | 3145793      | 15718195.9 | German |
| 3145946 | Universität Basel                            | 20/05/2015             | 3145946      | 15725282.6 |        |



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| 3146100 | Schroth Safety Products LLC   | 17/03/2015 | 3146100 | 15764381.8 |        |
| 3146158 | SAFRAN AIRCRAFT ENGINES   | 21/05/2015 | 3146158 | 15732315.5 | French |
| 3146182 | Finno Energy Oy   | 20/05/2015 | 3146182 | 15730523.6 |        |
| 3146269 | BSH Hausgeräte GmbH   | 08/05/2015 | 3146269 | 15719763.3 | German |
| 3146297 | Audi AG   | 15/05/2015 | 3146297 | 15724175.3 | German |
| 3146301 | CVG Management Corporation<br>Maston, Robert A.   | 14/05/2015 | 3146301 | 15795558.4 |        |
| 3146334 | Institut de Cancérologie de l'Ouest Site<br>René Gauducheau<br>Institut National de la Santé et de la<br>Recherche Médicale (INSERM)<br>Universite de Nantes<br>Université d'Angers<br>Centre National de la Recherche<br>Scientifique (C.N.R.S.) | 22/05/2015 | 3146334 | 15724627.3 |        |
| 3146362 | Signify Holding B.V.  | 05/05/2015 | 3146362 | 15719252.7 |        |
| 3146586 | Robert Bosch GmbH   | 07/05/2015 | 3146586 | 15722159.9 | German |
| 3147082 | MAX CO., LTD.   | 23/08/2016 | 3147082 | 16001846.1 |        |
| 3147162 | Vignal Systems  | 23/09/2016 | 3147162 | 16190470.1 | French |
| 3147254 | STILL GmbH  | 01/09/2016 | 3147254 | 16186749.4 | German |
| 3147451 | Doosan Heavy Industries &<br>Construction Co., Ltd.   | 23/09/2016 | 3147451 | 16190369.5 |        |
| 3147615 | Vehtec AB   | 25/09/2015 | 3147615 | 15186932.8 |        |
| 3148323 | Bioret Agri-Logette Confort   | 02/06/2015 | 3148323 | 15733786.6 | French |
| 3148614 | Sanofi-Aventis Deutschland GmbH   | 27/05/2015 | 3148614 | 15724315.5 |        |
| 3148951 | Saint-Gobain Isover   | 27/04/2015 | 3148951 | 15725809.6 | French |
| 3149214 | Outotec (Finland) Oy  | 27/05/2015 | 3149214 | 15730210.0 |        |
| 3149240 | Voith Patent GmbH   | 02/06/2015 | 3149240 | 15727371.5 | German |
| 3149253 | Recalor AB  | 12/05/2015 | 3149253 | 15799808.9 |        |
| 3150468 | CAMSO MANUFACTURING ITALY<br>S.R.L.   | 29/09/2016 | 3150468 | 16191359.5 |        |
| 3150606 | IDEMITSU KOSAN CO., LTD.  | 01/10/2015 | 3150606 | 15187954.1 |        |
| 3151195 | Koh Young Technology Inc.<br>Kyungpook National University<br>Industry-Academic Cooperation<br>Foundation   | 29/05/2015 | 3151195 | 15799209.0 |        |

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| 3151196 | Koh Young Technology Inc.<br>Kyungpook National University<br>Industry-Academic Cooperation<br>Foundation | 29/05/2015             | 3151196      | 15800560.3 |        |
| 3151259 | Eaton Corporation   | 14/09/2011             | 3151259      | 16198265.7 |        |
| 3151605 | Sony Corporation  | 27/05/2015             | 3151605      | 15799858.4 |        |
| 3151814 | Medical Brands Research B.V.  | 05/06/2015             | 3151814      | 15726200.7 |        |
| 3152464 | Scania CV AB  | 25/05/2015             | 3152464      | 15799107.6 |        |
| 3152705 | Carnegie Mellon University  | 30/06/2015             | 3152705      | 15815679.4 |        |
| 3152758 | Micron Technology, Inc.   | 04/06/2015             | 3152758      | 15802631.0 |        |
| 3152842 | Airrays GmbH  | 04/06/2015             | 3152842      | 15726615.6 |        |
| 3153201 | ATOS MEDICAL AB   | 27/10/2016             | 3153201      | 16195925.9 |        |
| 3153394 | Yamaha Hatsudoki Kabushiki Kaisha   | 29/09/2016             | 3153394      | 16191385.0 |        |
| 3153454 | Hans & Jos. Kronenberg GmbH   | 06/10/2016             | 3153454      | 16192658.9 | German |
| 3153802 | LG Electronics Inc.   | 18/12/2014             | 3153802      | 16184707.4 |        |
| 3154072 | Elna Co., Ltd.  | 27/04/2012             | 3154072      | 16200433.7 |        |
| 3154175 | Samsung Electronics Co., Ltd.   | 07/10/2016             | 3154175      | 16192920.3 |        |
| 3154300 | Wireless Future Technologies Inc.   | 08/12/2008             | 3154300      | 16195590.1 |        |
| 3154449 | Applied Medical Resources Corporation   | 11/06/2015             | 3154449      | 15730656.4 |        |
| 3154494 | Essity Hygiene and Health Aktiebolag  | 13/06/2014             | 3154494      | 14894531.4 |        |
| 3154563 | Affibody AB   | 15/06/2015             | 3154563      | 15729813.4 |        |
| 3154599 | Cell Therapy Limited  | 09/06/2015             | 3154599      | 15729885.2 |        |
| 3154663 | IFP Energies nouvelles  | 09/06/2015             | 3154663      | 15726213.0 | French |
| 3155686 | Karlsruher Institut Für Technologie<br>(KIT)  | 10/06/2015             | 3155686      | 15732525.9 | German |
| 3156562 | CFS Concrete Forming Systems Inc.   | 07/01/2010             | 3156562      | 16197326.8 |        |
| 3156747 | Toshiba Carrier Corporation   | 10/06/2015             | 3156747      | 15807501.0 |        |
| 3157850 | Krones AG   | 01/06/2015             | 3157850      | 15729099.0 | German |
| 3158102 | Compagnie Générale des<br>Etablissements Michelin   | 20/05/2015             | 3158102      | 15723524.3 | French |
| 3158335 | Loos, Ulrich  | 17/06/2015             | 3158335      | 15731541.7 | German |
| 3159012 | LG Bionano, LLC   | 21/10/2016             | 3159012      | 16195013.4 |        |
| 3159263 | Airbus Defence and Space GmbH<br>AIRBUS HELICOPTERS<br>DEUTSCHLAND GmbH                                   | 20/10/2015             | 3159263      | 15190662.5 |        |
| 3159677 | Konica Minolta, Inc.  | 16/06/2015             | 3159677      | 15809717.0 |        |
| 3159953 | NISSAN MOTOR CO., LTD.  | 18/06/2014             | 3159953      | 14894880.5 |        |
| 3160422 | Universitat Politècnica De Catalunya  | 25/06/2015             | 3160422      | 15845889.3 |        |

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| 3160531 | Medtronic Inc.  | 27/02/2015 | 3160531 | 15811439.7 |        |
| 3160609 | Purehoney Technologies, Inc.  | 25/06/2015 | 3160609 | 15811357.1 |        |
| 3160643 | GE Healthcare UK Limited  | 17/06/2015 | 3160643 | 15729479.4 |        |
| 3161684 | Microsoft Technology Licensing, LLC   | 24/06/2015 | 3161684 | 15736730.1 |        |
| 3161927 | Schneider Electric IT Corporation   | 30/06/2014 | 3161927 | 14896708.6 |        |
| 3162027 | Orange  | 26/06/2015 | 3162027 | 15756956.7 | French |
| 3162509 | MAX CO., LTD.   | 23/08/2016 | 3162509 | 16001845.3 |        |
| 3163079 | LG Electronics Inc.   | 26/10/2016 | 3163079 | 16195642.0 |        |
| 3163243 | BORGWARNER EMISSIONS<br>SYSTEMS SPAIN, S.L.U.   | 28/10/2015 | 3163243 | 15382533.6 |        |
| 3163244 | BORGWARNER EMISSIONS<br>SYSTEMS SPAIN, S.L.U.   | 28/10/2015 | 3163244 | 15382534.4 |        |
| 3163446 | Hangzhou Hikvision System<br>Technology Co., Ltd.   | 04/11/2014 | 3163446 | 14895667.5 |        |
| 3163774 | Samsung Electronics Co., Ltd.   | 24/06/2015 | 3163774 | 15812546.8 |        |
| 3164028 | L'Oréal   | 25/06/2015 | 3164028 | 15733418.6 |        |
| 3164715 | CHU MONTPELLIER<br>Bio-Rad Innovations<br>Centre National de la Recherche<br>Scientifique (C.N.R.S.)<br>Université de Montpellier | 30/06/2015 | 3164715 | 15731622.5 |        |
| 3164810 | Dropbox, Inc.   | 13/05/2015 | 3164810 | 15725945.8 |        |
| 3165428 | AUDI AG   | 14/10/2016 | 3165428 | 16002218.2 | German |
| 3165558 | LG Chem, Ltd.   | 08/10/2015 | 3165558 | 15848909.6 |        |
| 3166198 | Bayerische Motoren Werke<br>Aktiengesellschaft  | 06/11/2015 | 3166198 | 15193402.3 |        |
| 3166588 | Henkel AG & Co. KGaA  | 25/06/2015 | 3166588 | 15731588.8 | German |
| 3166739 | SAFRAN AIRCRAFT ENGINES   | 29/06/2015 | 3166739 | 15742358.3 | French |
| 3166871 | Delica AG   | 16/06/2015 | 3166871 | 15728884.6 | German |
| 3167469 | Siemens Aktiengesellschaft  | 04/09/2014 | 3167469 | 14761333.5 | German |
| 3167743 | Autoliv Development AB  | 01/03/2011 | 3167743 | 16199032.0 |        |
| 3167757 | King Slide Works Co., Ltd.<br>King Slide Technology Co., Ltd.   | 23/08/2016 | 3167757 | 16185232.2 |        |
| 3167982 | General Electric Company  | 09/11/2016 | 3167982 | 16198009.9 |        |
| 3168018 | Honeywell International Inc.  | 12/09/2016 | 3168018 | 16188430.9 |        |
| 3168285 | The Procter & Gamble Company  | 16/11/2015 | 3168285 | 15194748.8 |        |
| 3168521 | SZ DJI Osmo Technology Co., Ltd.  | 07/07/2014 | 3168521 | 14897236.7 |        |
| 3168640 | Vodafone Automotive S.p.A.  | 14/11/2016 | 3168640 | 16198745.8 |        |

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| 3169110 | Guangdong Oppo Mobile<br>Telecommunications Corp., Ltd | 22/03/2016             | 3169110      | 16785768.9 |        |
| 3169833 | Unifrax I LLC  | 23/12/2014             | 3169833      | 14897773.9 |        |
| 3170662 | AGFA NV  | 20/11/2015             | 3170662      | 15195567.1 |        |
| 3170981 | United Technologies Corporation                        | 23/11/2016             | 3170981      | 16200307.3 |        |
| 3171013 | Volvo Car Corporation                                  | 17/11/2015             | 3171013      | 15194885.8 |        |
| 3171028 | Grundfos Holding A/S                                   | 19/11/2015             | 3171028      | 15195416.1 | German |
| 3171135 | Dr. Johannes Heidenhain GmbH                           | 20/09/2016             | 3171135      | 16189596.6 | German |
| 3171181 | Murata Manufacturing Co., Ltd.                         | 21/11/2016             | 3171181      | 16199720.0 |        |
| 3171211 | Zhejiang Sunny Optics Co., Ltd.                        | 30/01/2015             | 3171211      | 15763479.1 |        |
| 3171652 | HUAWEI TECHNOLOGIES CO.,<br>LTD.                       | 19/08/2014             | 3171652      | 14900256.0 |        |
| 3172074 | Taizhou Valeo Wenling Automotive<br>Systems Co. Ltd.   | 21/07/2015             | 3172074      | 15825562.0 |        |
| 3173106 | Sumitomo Rubber Industries, Ltd.                       | 23/09/2016             | 3173106      | 16190291.1 |        |
| 3173171 | FANUC CORPORATION                                      | 25/10/2016             | 3173171      | 16195575.2 |        |
| 3174255 | Kalray   | 07/11/2016             | 3174255      | 16197547.9 | French |
| 3174738 | Continental Reifen Deutschland GmbH                    | 27/05/2015             | 3174738      | 15723541.7 | German |
| 3175110 | AW-Energy Oy   | 22/05/2014             | 3175110      | 14892526.6 |        |
| 3175112 | SPX Flow Technology Germany GmbH                       | 13/01/2016             | 3175112      | 16700572.7 | German |
| 3175961 | Michael Weinig Ag                                      | 01/12/2016             | 3175961      | 16002553.2 | German |
| 3176119 | thyssenkrupp AG<br>thyssenkrupp Stairlifts B.V.        | 01/12/2015             | 3176119      | 15197349.2 |        |
| 3177554 | Leonhard Kurz Stiftung & Co. KG                        | 23/07/2015             | 3177554      | 15747405.7 | German |
| 3178533 | Flepp, Roman<br>Friberg, Curdin                        | 07/12/2015             | 3178533      | 15198215.4 | German |
| 3178862 | Evonik Degussa GmbH                                    | 11/12/2015             | 3178862      | 15199600.6 | German |
| 3180955 | Interdigital Patent Holdings, Inc.                     | 14/08/2015             | 3180955      | 15756747.0 |        |
| 3181157 | BioMimetic Therapeutics, LLC                           | 05/11/2007             | 3181157      | 16196737.7 |        |
| 3181314 | SWISS KRONO Tec AG                                     | 16/12/2015             | 3181314      | 15003584.8 | German |
| 3181685 | Cj Cheiljedang Corporation                             | 10/08/2015             | 3181685      | 15832358.4 |        |
| 3181829 | Rolls-Royce plc  | 15/11/2016             | 3181829      | 16198802.7 |        |
| 3182652 | TTTech Auto AG   | 13/12/2016             | 3182652      | 16203640.4 | German |
| 3183605 | Jaguar Land Rover Limited                              | 14/08/2015             | 3183605      | 15749837.9 |        |
| 3184407 | Van Straaten, Willem Johannes                          | 20/12/2016             | 3184407      | 16205446.4 |        |
| 3184534 | UDC Ireland Limited                                    | 20/12/2016             | 3184534      | 16205366.4 |        |
| 3184681 | Toray Industries, Inc.                                 | 26/03/2015             | 3184681      | 15834441.6 |        |

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| 3184797 | AUDI AG   | 10/11/2016 | 3184797 | 16198196.4 | German |
| 3184893 | Turas Gaz Armatürleri Sanayi Ve Tic.<br>A.S.  | 17/03/2016 | 3184893 | 16160977.1 |        |
| 3185167 | AO Kaspersky Lab  | 04/10/2013 | 3185167 | 16184335.4 |        |
| 3185463 | ID Quantique S.A.   | 21/12/2015 | 3185463 | 15020257.0 |        |
| 3186109 | Varonos, Agamemnon  | 23/12/2015 | 3186109 | 15834718.7 |        |
| 3186185 | C. Steinweg - Handelsveem B.V.  | 25/08/2015 | 3186185 | 15781440.1 |        |
| 3187483 | Kyowa Chemical Industry Co., Ltd  | 25/08/2015 | 3187483 | 15835860.6 |        |
| 3187619 | Mitsubishi Materials Corporation<br>Solar Frontier K.K.   | 28/08/2015 | 3187619 | 15834975.3 |        |
| 3187711 | Kabushiki Kaisha Kobe Seiko Sho<br>(Kobe Steel, Ltd.)   | 25/08/2015 | 3187711 | 15836039.6 |        |
| 3187752 | NISSAN MOTOR CO., LTD.<br>Aichi Machine Industry Co., Ltd.  | 12/06/2015 | 3187752 | 15835059.5 |        |
| 3188321 | LG Electronics Inc.   | 21/10/2016 | 3188321 | 16195154.6 |        |
| 3188379 | Huawei Technologies Co., Ltd.   | 25/09/2014 | 3188379 | 14902876.3 |        |
| 3189063 | California Institute of Technology  | 01/09/2015 | 3189063 | 15838655.7 |        |
| 3189139 | Siemens Healthcare Diagnostics Inc.   | 18/08/2015 | 3189139 | 15759414.4 |        |
| 3189331 | Axxin Pty Ltd   | 04/09/2015 | 3189331 | 15838695.3 |        |
| 3189697 | Qualcomm Incorporated   | 02/09/2015 | 3189697 | 15762901.5 |        |
| 3189929 | SENJU METAL INDUSTRY CO.,<br>LTD.   | 04/09/2015 | 3189929 | 15837355.5 |        |
| 3190652 | LG Chem, Ltd.   | 08/12/2015 | 3190652 | 15868161.9 |        |
| 3190743 | Huawei Technologies Co. Ltd.  | 03/12/2015 | 3190743 | 15866349.2 |        |
| 3191488 | Janssen Pharmaceutica NV  | 26/08/2015 | 3191488 | 15759592.7 |        |
| 3191493 | Centre National de la Recherche<br>Scientifique (CNRS)<br>Institut National de la Santé et de la<br>Recherche Médicale (INSERM)<br>Université Paris Descartes | 14/09/2015 | 3191493 | 15766107.5 |        |
| 3192503 | FUJIFILM Toyama Chemical Co., Ltd.  | 11/09/2015 | 3192503 | 15840105.9 |        |
| 3192512 | Cytokinetics, Incorporated<br>Astellas Pharma Inc.  | 09/09/2015 | 3192512 | 15839636.6 |        |
| 3192830 | DIC Corporation<br>National University Corporation Iwate<br>University  | 09/09/2015 | 3192830 | 15840758.5 |        |
| 3193204 | JVC Kenwood Corporation   | 08/09/2015 | 3193204 | 15840014.3 |        |
| 3193683 | Intell Properties B.V.  | 18/09/2015 | 3193683 | 15763937.8 |        |

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| 3194388 | PROXIMAGEN, LLC   | 17/09/2015             | 3194388 15770604.5        |
| 3194548 | Henkel AG & Co. KGaA  | 18/09/2015             | 3194548 15766474.9 German |
| 3194587 | Forschungszentrum Jülich GmbH   | 14/08/2015             | 3194587 15767083.7 German |
| 3194621 | The Provost, Fellows, Foundation<br>Scholars, & the other members of<br>Board, of the College of the Holy &<br>Undiv. Trinity of Queen Elizabeth<br>University College Dublin National<br>University Of Ireland, Dublin | 18/09/2015             | 3194621 15778623.7        |
| 3194717 | Halliburton Energy Services, Inc.   | 31/10/2014             | 3194717 14904724.3        |
| 3195594 | SZ DJI Technology Co., Ltd.   | 17/09/2014             | 3195594 14901921.8        |
| 3195715 | Amazonen-Werke H. Dreyer GmbH &<br>Co. KG   | 23/01/2017             | 3195715 17401003.3 German |
| 3196308 | Toshiba Medical Systems Corporation   | 18/01/2017             | 3196308 17152059.6        |
| 3196328 | Baoshan Iron & Steel Co., Ltd.  | 16/09/2015             | 3196328 15841538.0        |
| 3196462 | Whirlpool S.A.  | 18/01/2017             | 3196462 17151956.4        |
| 3196668 | Aptiv Technologies Limited  | 04/01/2017             | 3196668 17150307.1        |
| 3196734 | Sony Corporation  | 15/06/2015             | 3196734 15842184.2        |
| 3196856 | Electrolux Home Products Corporation<br>N.V.  | 17/09/2009             | 3196856 17155644.2        |
| 3197151 | Huawei Technologies Co. Ltd.  | 28/10/2014             | 3197151 14904848.0        |
| 3197186 | Huawei Technologies Co., Ltd.   | 20/10/2014             | 3197186 14904325.9        |
| 3197209 | LG Electronics Inc.   | 21/09/2015             | 3197209 15842194.1        |
| 3197411 | Kimberly-Clark Worldwide, Inc.  | 22/09/2015             | 3197411 15845242.5        |
| 3197632 | Aleris Rolled Products Germany GmbH   | 09/09/2015             | 3197632 15767443.3        |
| 3197875 | F.HOFFMANN-LA ROCHE AG<br>Genentech, Inc.   | 25/09/2015             | 3197875 15782120.8        |
| 3198093 | Tentipi AB  | 23/09/2014             | 3198093 14902855.7        |
| 3198099 | Samet Kalip Ve Maden Esya San. Ve<br>Tic. A.S.  | 04/09/2015             | 3198099 15759456.5 German |
| 3198621 | Sartorius Stedim Biotech GmbH   | 25/11/2015             | 3198621 15812950.2        |
| 3198702 | T-Mobile USA, Inc.  | 02/11/2015             | 3198702 15859665.0        |
| 3198905 | Intel Corporation   | 28/08/2015             | 3198905 15845198.9        |
| 3199060 | King Slide Works Co., Ltd.<br>King Slide Technology Co., Ltd.   | 14/11/2016             | 3199060 16198622.9        |
| 3199448 | The Boeing Company  | 28/09/2016             | 3199448 16191104.5        |

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| 3199654 | Furukawa Electric Co. Ltd.<br>Furukawa Automotive Systems Inc.    | 18/09/2015 | 3199654 | 15844227.7 |        |
| 3199874 | Lennox Industries Inc.  | 25/01/2017 | 3199874 | 17152971.2 |        |
| 3199914 | Hitachi Automotive Systems, Ltd.                                  | 17/08/2015 | 3199914 | 15844660.9 |        |
| 3200072 | Huawei Technologies Co., Ltd.                                     | 24/03/2015 | 3200072 | 15885847.2 |        |
| 3200593 | DuPont Nutrition USA, Inc.  | 02/10/2015 | 3200593 | 15845644.2 |        |
| 3200642 | Hyde Tools Inc.   | 02/10/2015 | 3200642 | 15845860.4 |        |
| 3200654 | Schock Metallwerk GmbH  | 22/09/2015 | 3200654 | 15770498.2 | German |
| 3201134 | Karlsruher Institut für Technologie                               | 18/06/2015 | 3201134 | 15734065.4 | German |
| 3201434 | Halliburton Energy Services, Inc.                                 | 02/10/2014 | 3201434 | 14903221.1 |        |
| 3201887 | Sensormatic Electronics, LLC                                      | 18/09/2015 | 3201887 | 15778096.6 |        |
| 3201930 | Corning Research & Development<br>Corporation                     | 24/08/2015 | 3201930 | 15846129.3 |        |
| 3202123 | Microsoft Technology Licensing, LLC                               | 28/09/2015 | 3202123 | 15781220.7 |        |
| 3202687 | Kyoraku Co., Ltd.   | 16/09/2015 | 3202687 | 15847308.2 |        |
| 3202722 | AGC Inc.  | 30/09/2015 | 3202722 | 15847733.1 |        |
| 3202725 | Panasonic Intellectual Property<br>Management Co., Ltd.           | 29/09/2015 | 3202725 | 15846093.1 |        |
| 3203215 | Leibniz-Institut für Astrophysik<br>Potsdam (AIP)                 | 08/02/2016 | 3203215 | 16154703.9 |        |
| 3203614 | NISSAN MOTOR CO., LTD.  | 30/09/2014 | 3203614 | 14902892.0 |        |
| 3204469 | BASF SE   | 09/10/2014 | 3204469 | 14903568.5 |        |
| 3204527 | Air Products and Chemicals, Inc.                                  | 09/10/2015 | 3204527 | 15790720.5 |        |
| 3204636 | ABB Schweiz AG  | 10/10/2014 | 3204636 | 14903681.6 |        |
| 3204940 | Dolby International AB  | 25/09/2015 | 3204940 | 15767514.1 |        |
| 3205562 | Nordicc i Ljungby AB  | 10/02/2017 | 3205562 | 17155646.7 |        |
| 3206312 | Samsung Electronics Co., Ltd.                                     | 15/09/2015 | 3206312 | 15841821.0 |        |
| 3206518 | Steps Holding B.V.  | 06/10/2015 | 3206518 | 15775682.6 |        |
| 3208321 | The Yokohama Rubber Co., Ltd.                                     | 19/11/2015 | 3208321 | 15860415.7 |        |
| 3208347 | Ionis Pharmaceuticals, Inc.<br>The University Of British Columbia | 08/02/2011 | 3208347 | 16203872.3 |        |
| 3208358 | Nippon Steel Corporation  | 02/10/2015 | 3208358 | 15850786.3 |        |
| 3208362 | Nippon Steel Corporation  | 14/10/2014 | 3208362 | 14903890.3 |        |
| 3208558 | Denso Corporation   | 08/10/2015 | 3208558 | 15850982.8 |        |
| 3208909 | GE Energy Power Conversion<br>Technology Ltd                      | 18/02/2016 | 3208909 | 16305181.6 | French |
| 3209186 | Koninklijke Philips N.V.  | 19/10/2015 | 3209186 | 15781361.9 |        |

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| 3209349 | Fresenius Medical Care Deutschland GmbH  | 22/10/2015             | 3209349      | 15787461.1 | German |
| 3209514 | TOYOTA JIDOSHA KABUSHIKI KAISHA  | 28/09/2015             | 3209514      | 15790250.3 |        |
| 3209538 | Renault S.A.S.   | 29/09/2015             | 3209538      | 15781392.4 | French |
| 3209665 | Bristol-Myers Squibb Company   | 21/10/2015             | 3209665      | 15787838.0 |        |
| 3210349 | Telefonaktiebolaget LM Ericsson (publ)   | 19/10/2015             | 3210349      | 15787305.0 |        |
| 3210405 | Nokia Solutions and Networks Oy  | 21/10/2014             | 3210405      | 14786673.5 |        |
| 3210573 | Medicel AG   | 28/02/2017             | 3210573      | 17158302.4 |        |
| 3210858 | YANMAR CO., LTD.   | 21/10/2015             | 3210858      | 15851688.0 |        |
| 3210922 | Otis Elevator Company  | 24/02/2017             | 3210922      | 17157791.9 |        |
| 3211038 | Idemitsu Kosan Co., Ltd  | 14/09/2015             | 3211038      | 15852747.3 |        |
| 3211439 | Telefonaktiebolaget LM Ericsson (publ)   | 17/08/2009             | 3211439      | 17163021.3 |        |
| 3211653 | Tyco Electronics Componentes Electromecanicos Lda<br>Tyco Electronics Austria GmbH | 23/02/2016             | 3211653      | 16398001.4 |        |
| 3211992 | Dogmatic (UK) Ltd  | 22/10/2015             | 3211992      | 15795212.8 |        |
| 3212035 | Seidel GmbH & Co. KG   | 22/10/2015             | 3212035      | 15795121.1 | German |
| 3212571 | BNNT, LLC  | 02/11/2015             | 3212571      | 15854542.6 |        |
| 3212700 | Dow Global Technologies LLC  | 30/10/2015             | 3212700      | 15790806.2 |        |
| 3213463 | Amazon Technologies, Inc.  | 30/10/2015             | 3213463      | 15794012.3 |        |
| 3213623 | Deere & Company  | 03/03/2017             | 3213623      | 17159151.4 |        |
| 3213752 | Haimbio Co., Ltd.  | 28/10/2015             | 3213752      | 15856097.9 |        |
| 3213915 | DIC Corporation  | 29/10/2015             | 3213915      | 15854247.2 |        |
| 3214127 | Zeon Corporation   | 20/10/2015             | 3214127      | 15854540.0 |        |
| 3214189 | Kabushiki Kaisha Kobe Seiko Sho (Kobe Steel, Ltd.)<br>NHK Spring Co., Ltd.         | 26/10/2015             | 3214189      | 15855119.2 |        |
| 3214413 | Dr. Johannes Heidenhain GmbH   | 01/12/2016             | 3214413      | 16201603.4 | German |
| 3214624 | Mitsubishi Materials Corporation   | 29/10/2015             | 3214624      | 15854909.7 |        |
| 3214681 | NISSAN MOTOR CO., LTD.<br>Daimler AG<br>Ford Motor Company                         | 08/10/2015             | 3214681      | 15853691.2 |        |
| 3215241 | Cybox International, Inc.  | 11/11/2014             | 3215241      | 14809171.3 |        |
| 3215480 | TAMINCO BVBA   | 04/11/2015             | 3215480      | 15788446.1 |        |
| 3215711 | Halliburton Energy Services, Inc.  | 08/10/2014             | 3215711      | 14903807.7 |        |
| 3215752 | ThyssenKrupp Presta AG<br>thyssenkrupp AG  | 22/09/2015             | 3215752      | 15766534.0 | German |



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|---------|---|------------|---------|------------|--------|
| 3215777 | Burggraaf Beheer B.V.   | 02/11/2015 | 3215777 | 15823530.9 |        |
| 3216267 | Telefonaktiebolaget LM Ericsson (publ)  | 05/11/2014 | 3216267 | 14793847.6 |        |
| 3216311 | Sierra Wireless, Inc.   | 06/11/2015 | 3216311 | 15857482.2 |        |
| 3216823 | ASAHI KASEI KABUSHIKI KAISHA  | 28/10/2015 | 3216823 | 15857169.5 |        |
| 3216892 | Nippon Steel Corporation  | 05/11/2015 | 3216892 | 15857863.3 |        |
| 3217110 | Samsung Electronics Co., Ltd.<br>University - Industry Cooperation<br>Group of Kyung Hee University | 13/02/2017 | 3217110 | 17155859.6 |        |
| 3217154 | Panasonic Intellectual Property<br>Management Co., Ltd.   | 19/12/2016 | 3217154 | 16205017.3 |        |
| 3217398 | Dolby International AB  | 04/04/2014 | 3217398 | 17164112.9 |        |
| 3217559 | Ciena Corporation   | 09/03/2017 | 3217559 | 17160147.9 |        |
| 3217736 | Huawei Technologies Co., Ltd.   | 05/12/2014 | 3217736 | 14907329.8 |        |
| 3218739 | Compagnie Plastic Omnium  | 12/11/2015 | 3218739 | 15808714.8 | French |
| 3218768 | Macdermid Graphics Solutions, LLC   | 04/11/2015 | 3218768 | 15859076.0 |        |
| 3219292 | Bolton Medical Inc.   | 30/06/2009 | 3219292 | 17164036.0 |        |
| 3219837 | Sefar AG  | 15/03/2016 | 3219837 | 16160356.8 | German |
| 3219996 | Liebherr-Mischtechnik GmbH  | 12/01/2017 | 3219996 | 17151132.2 | German |
| 3220062 | Riello S.p.A.   | 14/03/2017 | 3220062 | 17160946.4 |        |
| 3220866 | The Procter & Gamble Company  | 06/11/2015 | 3220866 | 15797532.7 |        |
| 3221470 | Yeda Research and Development Co.,<br>Ltd.  | 17/11/2015 | 3221470 | 15820291.1 |        |
| 3221806 | Siemens Mobility GmbH   | 24/02/2016 | 3221806 | 16706182.9 | German |
| 3222137 | Unicharm Corporation  | 09/12/2014 | 3222137 | 14906577.3 |        |
| 3222496 | NSK Ltd.  | 05/11/2015 | 3222496 | 15861563.3 |        |
| 3223311 | BOE Technology Group Co., Ltd.  | 23/03/2015 | 3223311 | 15778189.9 |        |
| 3223531 | Osaka City University   | 26/08/2015 | 3223531 | 15860224.3 |        |
| 3223683 | Koninklijke Philips N.V.  | 19/11/2015 | 3223683 | 15797339.7 |        |
| 3223784 | Colgate-Palmolive Company   | 19/12/2014 | 3223784 | 14824729.9 |        |
| 3224032 | Safilo Società Azionaria Fabbrica<br>Italiana Lavorazione Occhiali S.p.A.                           | 11/11/2015 | 3224032 | 15791662.8 |        |
| 3224234 | Haldor Topsøe A/S   | 12/11/2015 | 3224234 | 15793830.9 |        |
| 3224249 | Canon Kabushiki Kaisha  | 20/10/2015 | 3224249 | 15863016.0 |        |
| 3224258 | Genentech, Inc.<br>Constellation Pharmaceuticals, Inc.  | 25/11/2015 | 3224258 | 15816578.7 |        |
| 3224464 | Robert Bosch GmbH   | 19/11/2015 | 3224464 | 15797108.6 | German |
| 3224885 | Iljin Electric  | 18/11/2015 | 3224885 | 15863770.2 |        |

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| 3224897 | Time Reversal Communications<br>Centre National de la Recherche<br>Scientifique | 26/11/2015             | 3224897      | 15807957.4 | French |
| 3225163 | Konica Minolta, Inc.  | 19/10/2015             | 3225163      | 15863347.9 |        |
| 3225208 | SDI Germany GmbH  | 30/03/2017             | 3225208      | 17163738.2 |        |
| 3225233 | Wyeth LLC   | 27/10/2006             | 3225233      | 17166616.7 |        |
| 3225337 | Mitsubishi Materials Corporation  | 27/11/2015             | 3225337      | 15862876.8 |        |
| 3225465 | Kabushiki Kaisha Tokai-Rika-Denki-<br>Seisakusho                                | 12/11/2015             | 3225465      | 15863689.4 |        |
| 3225603 | Panasonic Intellectual Property<br>Management Co., Ltd.                         | 27/11/2015             | 3225603      | 15862700.0 |        |
| 3225937 | COMMISSARIAT À L'ÉNERGIE<br>ATOMIQUE ET AUX ÉNERGIES<br>ALTERNATIVES            | 31/03/2017             | 3225937      | 17164286.1 | French |
| 3225959 | Volvo Car Corporation   | 31/03/2016             | 3225959      | 16163310.2 |        |
| 3226062 | THALES  | 24/03/2017             | 3226062      | 17162703.7 | French |
| 3226278 | JFE Steel Corporation   | 23/03/2015             | 3226278      | 15862942.8 |        |
| 3226415 | Dolby International AB  | 17/02/2010             | 3226415      | 17167275.1 |        |
| 3226449 | Nippon Telegraph and Telephone<br>Corporation                                   | 27/11/2015             | 3226449      | 15862960.0 |        |
| 3226468 | Huawei Technologies Co. Ltd.  | 31/12/2015             | 3226468      | 15875274.1 |        |
| 3226491 | Juniper Networks, Inc.  | 30/03/2017             | 3226491      | 17163923.0 |        |
| 3226512 | INTEL Corporation   | 13/12/2010             | 3226512      | 17171624.4 |        |
| 3226611 | Huawei Technologies Co., Ltd.   | 29/03/2017             | 3226611      | 17163649.1 |        |
| 3226743 | Fortimedix Surgical B.V.  | 05/12/2014             | 3226743      | 14815909.8 |        |
| 3226996 | Hydac Process Technology GmbH   | 27/08/2015             | 3226996      | 15775084.5 | German |
| 3227294 | Astrazeneca AB  | 30/11/2015             | 3227294      | 15802075.0 |        |
| 3227419 | Dalli-Werke GmbH & Co. KG.  | 04/12/2015             | 3227419      | 15804794.4 |        |
| 3227526 | Welltec Oilfield Solutions AG   | 01/12/2015             | 3227526      | 15802128.7 |        |
| 3227584 | Scania CV AB  | 30/11/2015             | 3227584      | 15865714.8 |        |
| 3228167 | Amazonen-Werke H. Dreyer GmbH &<br>Co. KG                                       | 31/03/2017             | 3228167      | 17401030.6 | German |
| 3228217 | Bulthaup GmbH & Co. KG  | 07/04/2017             | 3228217      | 17165556.6 | German |
| 3228220 | himolla Polstermöbel GmbH   | 06/04/2017             | 3228220      | 17165239.9 | German |
| 3228509 | Mitsubishi Jidosha Kogyo Kabushiki<br>Kaisha                                    | 06/10/2015             | 3228509      | 15866269.2 |        |
| 3228527 | TOYOTA JIDOSHA KABUSHIKI<br>KAISHA  | 22/03/2017             | 3228527      | 17162385.3 |        |

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| 3228565 | Toyo Jidoki Co., Ltd.                               | 29/03/2017 | 3228565 | 17163591.5 |        |
| 3228581 | Socage S.r.l.                                       | 08/04/2016 | 3228581 | 16164368.9 |        |
| 3228698 | Honda Motor Co., Ltd.                               | 05/12/2014 | 3228698 | 14907566.5 |        |
| 3228715 | Life Technologies Corporation                       | 08/02/2013 | 3228715 | 17160771.6 |        |
| 3229314 | Huawei Technologies Co. Ltd.                        | 04/01/2015 | 3229314 | 15874472.2 |        |
| 3229411 | A-DEC, INC.   | 03/04/2017 | 3229411 | 17164609.4 |        |
| 3229425 | Huawei Technologies Co., Ltd.                       | 04/12/2015 | 3229425 | 15875053.9 |        |
| 3229632 | NIKE Innovate C.V.                                  | 16/10/2015 | 3229632 | 15787396.9 |        |
| 3229679 | CURO Diagnostics ApS                                | 11/12/2015 | 3229679 | 15817123.1 |        |
| 3229712 | Aspivix SA  | 07/12/2015 | 3229712 | 15813576.4 |        |
| 3229891 | Boston Scientific Neuromodulation Corporation       | 29/01/2016 | 3229891 | 16708782.4 |        |
| 3230289 | Natco Pharma Limited                                | 11/12/2014 | 3230289 | 14841337.0 |        |
| 3230631 | EagleBurgmann Germany GmbH & Co. KG                 | 03/11/2015 | 3230631 | 15794506.4 | German |
| 3230997 | General Electric Technology GmbH                    | 09/12/2015 | 3230997 | 15805543.4 | French |
| 3231085 | Space Systems / Loral LLC                           | 11/12/2015 | 3231085 | 15817712.1 |        |
| 3231194 | Harman International Industries, Incorporated       | 11/12/2015 | 3231194 | 15823243.9 |        |
| 3231461 | Terumo Kabushiki Kaisha                             | 28/08/2015 | 3231461 | 15868390.4 |        |
| 3231466 | B. Braun Avitum AG                                  | 06/04/2017 | 3231466 | 17165300.9 | German |
| 3231594 | Mitsubishi Heavy Industries Machinery Systems, Ltd. | 24/11/2015 | 3231594 | 15877960.3 |        |
| 3231722 | Cintio, Maria Teresa                                | 12/04/2017 | 3231722 | 17166270.3 |        |
| 3231800 | LSK NRDO Co., Ltd.                                  | 03/12/2015 | 3231800 | 15867145.3 |        |
| 3231818 | Toagosei Co., Ltd.                                  | 01/12/2015 | 3231818 | 15867204.8 |        |
| 3232687 | Dolby International AB                              | 24/04/2014 | 3232687 | 17169936.6 |        |
| 3232695 | BlackBerry Limited                                  | 12/04/2017 | 3232695 | 17166171.3 |        |
| 3232704 | China Academy of Telecommunications Technology      | 21/09/2015 | 3232704 | 15867553.8 |        |
| 3232721 | Mitsubishi Electric Corporation                     | 12/04/2016 | 3232721 | 16305429.9 |        |
| 3232753 | Hamilton Sundstrand Corporation                     | 05/04/2017 | 3232753 | 17165077.3 |        |
| 3232926 | BOSTIK SA   | 16/12/2015 | 3232926 | 15822981.5 | French |
| 3233609 | Renault S.A.S.                                      | 16/11/2015 | 3233609 | 15816815.3 | French |
| 3233829 | Pfizer Inc.   | 04/12/2015 | 3233829 | 15812888.4 |        |
| 3233975 | SABIC Global Technologies B.V.                      | 17/12/2015 | 3233975 | 15813420.5 |        |
| 3234430 | Lockheed Martin Corporation                         | 18/12/2015 | 3234430 | 15871173.9 |        |
| 3234532 | Robert Bosch GmbH                                   | 16/12/2015 | 3234532 | 15870969.1 |        |

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| 3234851 | Veracode, Inc.  | 18/12/2015             | 3234851      | 15823469.0 |        |
| 3234917 | Koninklijke Philips N.V.  | 11/12/2015             | 3234917      | 15808207.3 |        |
| 3235150 | Intel Corporation   | 17/11/2015             | 3235150      | 15870571.5 |        |
| 3235372 | Naturedyne Inc.   | 10/03/2016             | 3235372      | 16796043.4 |        |
| 3235487 | Watkins Manufacturing Corporation   | 30/09/2014             | 3235487      | 17170938.9 |        |
| 3235689 | Seat, S.A.  | 22/03/2017             | 3235689      | 17382145.5 |        |
| 3236106 | SHOWA CORPORATION   | 20/02/2017             | 3236106      | 17156868.6 |        |
| 3236658 | Huawei Technologies Co., Ltd.   | 06/01/2016             | 3236658      | 16734909.1 |        |
| 3236793 | Safilo Società Azionaria Fabbrica<br>Italiana Lavorazione Occhiali S.p.A. | 14/12/2015             | 3236793      | 15808626.4 |        |
| 3236902 | Smith & Nephew plc  | 21/12/2015             | 3236902      | 15828852.2 |        |
| 3237010 | Sanochemia Pharmazeutika AG   | 07/04/2016             | 3237010      | 16718843.2 | German |
| 3237223 | Fujifilm Speciality Ink Systems Limited                                   | 23/12/2015             | 3237223      | 15817531.5 |        |
| 3237527 | Bridgestone Americas Tire Operations,<br>LLC                              | 09/12/2015             | 3237527      | 15874104.1 |        |
| 3238303 | BYD Company Limited   | 22/12/2015             | 3238303      | 15871939.3 |        |
| 3238579 | Seidae Industrial Co., Ltd.   | 09/03/2015             | 3238579      | 15873398.0 |        |
| 3238937 | Mitsubishi Gas Chemical Company,<br>Inc.                                  | 03/12/2015             | 3238937      | 15872664.6 |        |
| 3239276 | SK Lubricants Co., Ltd.<br>SK Innovation Co., Ltd.                        | 20/04/2017             | 3239276      | 17167207.4 |        |
| 3239411 | Hitachi Construction Machinery Co.,<br>Ltd                                | 25/12/2015             | 3239411      | 15873259.4 |        |
| 3239490 | Mahle International GmbH  | 11/04/2017             | 3239490      | 17166103.6 | German |
| 3239526 | Valeo Japan Co., Ltd.   | 17/12/2015             | 3239526      | 15872905.3 |        |
| 3239635 | TomTom-Tools GmbH   | 29/04/2016             | 3239635      | 16167660.6 |        |
| 3239671 | COMMISSARIAT À L'ÉNERGIE<br>ATOMIQUE ET AUX ÉNERGIES<br>ALTERNATIVES      | 24/04/2017             | 3239671      | 17167674.5 | French |
| 3239690 | Universidad Complutense De Madrid   | 16/12/2015             | 3239690      | 15872001.1 |        |
| 3239790 | Rockwell Automation Technologies,<br>Inc.                                 | 25/04/2017             | 3239790      | 17167895.6 |        |
| 3240121 | Giga-Byte Technology Co., Ltd.  | 06/12/2016             | 3240121      | 16202319.6 |        |
| 3240336 | Telefonaktiebolaget LM Ericsson (publ)                                    | 09/10/2015             | 3240336      | 17164471.9 |        |
| 3240443 | British American Tobacco<br>(Investments) Limited                         | 18/12/2015             | 3240443      | 15822927.8 |        |
| 3240479 | Koninklijke Philips N.V.  | 17/12/2015             | 3240479      | 15825845.9 |        |
| 3241016 | Oracle International Corporation  | 11/11/2015             | 3241016      | 15801043.9 |        |

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|---------|---|------------|---------|------------|--------|
| 3241623 | Maurand, Philippe   | 25/04/2017 | 3241623 | 17168034.1 | French |
| 3241874 | AGFA NV   | 04/05/2016 | 3241874 | 16168238.0 |        |
| 3242088 | tado GmbH   | 01/05/2017 | 3242088 | 17020183.4 |        |
| 3242693 | enmodes GmbH  | 07/01/2016 | 3242693 | 16700942.2 | German |
| 3242864 | DSM IP Assets B.V.  | 08/01/2016 | 3242864 | 16700124.7 |        |
| 3242887 | Eli Lilly and Company   | 05/01/2016 | 3242887 | 16703620.1 |        |
| 3243076 | TOMORROWS IP LIMITED<br>KEI INTERNATIONAL LIMITED   | 04/01/2016 | 3243076 | 16720577.2 |        |
| 3243130 | Sonic IP, Inc.  | 06/01/2016 | 3243130 | 16735361.4 |        |
| 3243303 | Huawei Technologies Co., Ltd.   | 12/01/2016 | 3243303 | 16742652.7 |        |
| 3244074 | Springfix Befestigungstechnik GmbH  | 28/03/2017 | 3244074 | 17163333.2 | German |
| 3244085 | KNORR-BREMSE Systeme für<br>Nutzfahrzeuge GmbH  | 16/09/2013 | 3244085 | 17174096.2 | German |
| 3244106 | LK Armatur AB   | 27/04/2017 | 3244106 | 17168464.0 |        |
| 3244168 | SNR Wälzlager GmbH<br>NTN-SNR Roulements  | 09/05/2016 | 3244168 | 16168812.2 |        |
| 3244625 | Kabushiki Kaisha Toshiba  | 07/11/2011 | 3244625 | 17177775.8 |        |
| 3244630 | Shenzhen Goodix Technology Co., Ltd.  | 20/07/2016 | 3244630 | 16867402.6 |        |
| 3244801 | Koninklijke Philips N.V.  | 20/12/2015 | 3244801 | 15830992.2 |        |
| 3245246 | Nitto Denko Corporation   | 14/01/2016 | 3245246 | 16703010.5 |        |
| 3245295 | Tacount Exact Ltd.  | 09/01/2016 | 3245295 | 16702588.1 |        |
| 3245439 | Saudi Arabian Oil Company   | 14/01/2016 | 3245439 | 16702280.5 |        |
| 3245487 | Titan Enterprises Ltd.  | 13/01/2016 | 3245487 | 16701260.8 |        |
| 3245833 | Sony Corporation  | 04/04/2017 | 3245833 | 17715162.8 |        |
| 3246015 | Reoxcyn, LLC  | 15/03/2017 | 3246015 | 17161215.3 |        |
| 3246061 | Funai Electric Co., Ltd.  | 03/05/2017 | 3246061 | 17169231.2 |        |
| 3246374 | Merck Patent GmbH   | 16/05/2017 | 3246374 | 17171223.5 |        |
| 3246527 | Rolls-Royce Corporation<br>Rolls-Royce North American<br>Technologies, Inc.   | 09/05/2017 | 3246527 | 17170031.3 |        |
| 3246561 | Mitsubishi Heavy Industries, Ltd.   | 27/02/2017 | 3246561 | 17158135.8 |        |
| 3246568 | Kaiser Aktiengesellschaft   | 20/02/2017 | 3246568 | 17156863.7 | German |
| 3246832 | Siemens Aktiengesellschaft  | 11/05/2017 | 3246832 | 17170688.0 | German |
| 3246952 | IHP GmbH - Innovations for High<br>Performance Microelectronics /<br>Leibniz-Institut für innovative<br>Mikroelektronik | 12/05/2017 | 3246952 | 17170878.7 | German |
| 3247058 | NEC Corporation   | 07/01/2016 | 3247058 | 16737180.6 |        |

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| 3247132 | GOERTEK.INK  | 26/11/2015             | 3247132      | 15887294.5 |        |
| 3247609 | Siemens Mobility GmbH                                  | 26/02/2016             | 3247609      | 16706382.5 | German |
| 3247642 | CIELLE IMBALLAGGI DI<br>TOMMASO LORETO S.r.l.          | 23/12/2015             | 3247642      | 15828876.1 |        |
| 3247861 | Huisman Well Technology B.V.                           | 21/01/2016             | 3247861      | 16710023.9 |        |
| 3247913 | Arconic Inc.   | 21/01/2016             | 3247913      | 16708754.3 |        |
| 3248881 | Hamilton Sundstrand Corporation                        | 26/05/2017             | 3248881      | 17173043.5 |        |
| 3249111 | Volvo Construction Equipment AB                        | 08/01/2015             | 3249111      | 15877113.9 |        |
| 3249294 | Doosan Heavy Industries &<br>Construction Co., Ltd.    | 15/12/2016             | 3249294      | 16204468.9 |        |
| 3249330 | IHI Machinery and Furnace Co., Ltd.<br>IHI Corporation | 29/02/2016             | 3249330      | 16782868.0 |        |
| 3249834 | Huawei Technologies Co., Ltd.                          | 16/04/2015             | 3249834      | 15888816.4 |        |
| 3249946 | Alpine Electronics, Inc.                               | 28/04/2017             | 3249946      | 17168634.8 |        |
| 3250018 | FUJI Corporation                                       | 19/01/2015             | 3250018      | 15878705.1 |        |
| 3250048 | Cadena Bio, Inc.                                       | 13/01/2016             | 3250048      | 16743843.1 |        |
| 3250402 | Bayerische Motoren Werke<br>Aktiengesellschaft         | 04/11/2015             | 3250402      | 15790546.4 | German |
| 3250585 | Yeda Research and Development Co.,<br>Ltd.             | 26/01/2016             | 3250585      | 16711899.1 |        |
| 3250816 | Andritz Hydro Hammerfest (UK)<br>Limited               | 30/01/2015             | 3250816      | 15708255.3 |        |
| 3251199 | GKN AUTOMOTIVE LTD.                                    | 29/01/2016             | 3251199      | 16702402.5 | German |
| 3251309 | Illumio, Inc.  | 10/02/2016             | 3251309      | 16777009.8 |        |
| 3251361 | QUALCOMM Incorporated                                  | 26/01/2016             | 3251361      | 16705364.4 |        |
| 3251417 | Telefonaktiebolaget LM Ericsson (publ)                 | 28/01/2016             | 3251417      | 16743796.1 |        |
| 3251462 | Telefonaktiebolaget LM Ericsson<br>(PUBL)              | 14/03/2017             | 3251462      | 17724714.5 |        |
| 3251613 | Ethicon LLC  | 23/12/2014             | 3251613      | 17178022.4 |        |
| 3251877 | Bridgestone Corporation                                | 28/01/2016             | 3251877      | 16743461.2 |        |
| 3251943 | Scana Offshore AS.                                     | 06/06/2017             | 3251943      | 17174598.7 |        |
| 3252090 | Kuraray Co., Ltd.                                      | 21/01/2016             | 3252090      | 16743211.1 |        |
| 3252129 | Kuraray Co., Ltd.                                      | 26/01/2016             | 3252129      | 16743350.7 |        |
| 3252295 | ArianeGroup GmbH                                       | 29/05/2017             | 3252295      | 17173218.3 |        |
| 3252327 | The Boeing Company                                     | 22/03/2017             | 3252327      | 17162255.8 |        |
| 3252756 | Huawei Technologies Co., Ltd.                          | 20/11/2015             | 3252756      | 15884410.0 |        |
| 3252921 | Samsung Electronics Co., Ltd.                          | 04/03/2016             | 3252921      | 16761947.7 |        |
| 3253103 | Sony Corporation                                       | 16/11/2015             | 3253103      | 15880088.8 |        |

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| 3253261 | Brooks Automation, Inc.                                    | 05/02/2016 | 3253261 | 16703753.0 |        |
| 3253335 | Spectrum Spine IP Holdings, LLC                            | 05/02/2016 | 3253335 | 16747395.8 |        |
| 3254227 | Siemens Aktiengesellschaft                                 | 22/03/2016 | 3254227 | 16715257.8 | German |
| 3254610 | Heraeus Deutschland GmbH & Co. KG                          | 09/06/2016 | 3254610 | 16173647.5 |        |
| 3254868 | Bridgestone Corporation                                    | 25/08/2011 | 3254868 | 17176155.4 |        |
| 3254900 | Kabushiki Kaisha Tokai Rika Denki<br>Seisakusho            | 07/06/2017 | 3254900 | 17174671.2 |        |
| 3254933 | NSK Ltd.   | 04/02/2016 | 3254933 | 16746685.3 |        |
| 3255162 | JFE Steel Corporation                                      | 27/01/2016 | 3255162 | 16746294.4 |        |
| 3255696 | Contemporary Amperex Technology<br>Co., Limited            | 11/01/2017 | 3255696 | 17150996.1 |        |
| 3255742 | Princeton Optronics, Inc.                                  | 20/12/2012 | 3255742 | 17179558.6 |        |
| 3256398 | OPM Advance Limited  | 13/06/2016 | 3256398 | 16731252.9 |        |
| 3256502 | 3M Innovative Properties Company                           | 12/02/2016 | 3256502 | 16749946.6 |        |
| 3256546 | Ciris Energy, Inc.   | 09/02/2016 | 3256546 | 16749677.7 |        |
| 3256678 | Julius Blum GmbH   | 11/02/2016 | 3256678 | 16707612.4 | German |
| 3256752 | Punch Flybrid Limited                                      | 10/02/2016 | 3256752 | 16704897.4 |        |
| 3256835 | Carl Zeiss SMT GmbH  | 29/01/2016 | 3256835 | 16703455.2 | German |
| 3256874 | Qualcomm Incorporated                                      | 03/02/2016 | 3256874 | 16706283.5 |        |
| 3257123 | Siemens Aktiengesellschaft                                 | 11/01/2016 | 3257123 | 16708748.5 |        |
| 3257740 | Korea Institute of Ocean Science and<br>Technology         | 28/11/2016 | 3257740 | 16200909.6 |        |
| 3258012 | Les Matériaux de Construction<br>Oldcastle Canada Inc.     | 20/05/2009 | 3258012 | 17178842.5 |        |
| 3258171 | Bernhard Poll Schornsteintechnik<br>GmbH                   | 30/05/2017 | 3258171 | 17173450.2 | German |
| 3258357 | Samsung Electronics Co., Ltd.                              | 28/03/2017 | 3258357 | 17163336.5 |        |
| 3258369 | Aetherstore, Inc.  | 09/05/2013 | 3258369 | 17184019.2 |        |
| 3258631 | Sun Patent Trust   | 07/11/2012 | 3258631 | 17183530.9 |        |
| 3258651 | HUAWEI TECHNOLOGIES CO.,<br>LTD.                           | 14/06/2017 | 3258651 | 17176073.9 |        |
| 3259327 | Henkel AG & Co. KGaA                                       | 08/02/2016 | 3259327 | 16706008.6 |        |
| 3259393 | Vetron Typical Europe GmbH<br>FAURECIA Sièges d'Automobile | 19/02/2016 | 3259393 | 16715235.4 | German |
| 3259508 | Dukes Aerospace Inc.                                       | 12/02/2016 | 3259508 | 16752844.7 |        |
| 3259569 | KOC Universitesi   | 18/02/2015 | 3259569 | 15715516.9 |        |
| 3260235 | NSK Ltd.   | 15/02/2016 | 3260235 | 16752436.2 |        |
| 3260504 | ABL-TECHNIC Entlackung GmbH                                | 22/06/2017 | 3260504 | 17177370.8 | German |

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| 3260986 | Advanced Micro Devices, Inc.                                | 29/11/2016             | 3260986      | 16201256.1 |        |
| 3261300 | Huawei Technologies Co. Ltd.                                | 30/12/2015             | 3261300      | 15887343.0 |        |
| 3261627 | Albert-Ludwigs-Universität Freiburg                         | 24/02/2016             | 3261627      | 16705961.7 |        |
| 3261684 | Universität Konstanz  | 03/02/2016             | 3261684      | 16703914.8 | German |
| 3261705 | B. Braun Melsungen AG                                       | 26/02/2016             | 3261705      | 16706378.3 |        |
| 3261713 | Heartware, Inc.   | 09/02/2016             | 3261713      | 16756057.2 |        |
| 3261803 | Gillet Group  | 25/02/2016             | 3261803      | 16714983.0 | French |
| 3262013 | Agrinos AS  | 26/02/2016             | 3262013      | 16710333.2 |        |
| 3262201 | AEFFE Machinery S.r.l.                                      | 24/02/2016             | 3262201      | 16715880.7 |        |
| 3262526 | Symantec Corporation  | 05/02/2016             | 3262526      | 16756049.9 |        |
| 3262717 | Robert Bosch GmbH   | 13/01/2016             | 3262717      | 16700364.9 | German |
| 3263153 | Fresenius Medical Care Deutschland GmbH                     | 04/06/2009             | 3263153      | 17182350.3 | German |
| 3263582 | Josho Gakuen Educational Foundation Adeka Corporation       | 23/02/2016             | 3263582      | 16755452.6 |        |
| 3263650 | Viavi Solutions Inc.  | 26/06/2017             | 3263650      | 17177813.7 |        |
| 3263803 | ABB Schweiz AG  | 30/06/2016             | 3263803      | 16177070.6 |        |
| 3263834 | Achates Power, Inc.   | 04/05/2015             | 3263834      | 17179474.6 |        |
| 3264000 | Mitsubishi Electric Corporation                             | 26/03/2015             | 3264000      | 15886199.7 |        |
| 3264191 | Oki Data Corporation  | 08/06/2017             | 3264191      | 17175065.6 |        |
| 3265144 | Warsaw Orthopedic, Inc.                                     | 29/02/2016             | 3265144      | 16759318.5 |        |
| 3265295 | Ebert Composites Corporation                                | 03/03/2016             | 3265295      | 16759482.9 |        |
| 3265319 | Hewlett-Packard Development Company, L.P.                   | 28/08/2015             | 3265319      | 15903177.2 |        |
| 3265367 | Jaguar Land Rover Limited                                   | 02/03/2016             | 3265367      | 16707155.4 |        |
| 3265446 | Bayer CropScience Aktiengesellschaft                        | 29/02/2016             | 3265446      | 16706658.8 |        |
| 3265644 | Welltec A/S   | 02/03/2016             | 3265644      | 16707455.8 |        |
| 3266108 | British Telecommunications public limited company           | 26/02/2016             | 3266108      | 16706864.2 |        |
| 3266111 | Edge Electrons Limited                                      | 01/03/2016             | 3266111      | 16758462.2 |        |
| 3266637 | Honda Lock MFG. Co., Ltd.                                   | 02/03/2016             | 3266637      | 16758950.6 |        |
| 3266689 | TOYOTA JIDOSHA KABUSHIKI KAISHA                             | 19/05/2017             | 3266689      | 17171872.9 |        |
| 3266839 | Xerox Corporation   | 26/06/2017             | 3266839      | 17177841.8 |        |
| 3266891 | Furukawa Electric Co. Ltd. Furukawa Automotive Systems Inc. | 15/11/2013             | 3266891      | 17185527.3 |        |
| 3267689 | LG Electronics Inc.   | 29/02/2016             | 3267689      | 16759114.8 |        |



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| 3268811 | Ricoh Company, Ltd.  | 29/02/2016 | 3268811 | 16764412.9 |        |
| 3268959 | Fraunhofer-Gesellschaft zur Förderung<br>der angewandten Forschung e.V.                | 08/03/2016 | 3268959 | 16709344.2 |        |
| 3269151 | Bayerische Motoren Werke<br>Aktiengesellschaft   | 23/02/2016 | 3269151 | 16707030.9 | German |
| 3269506 | Amatsuji Steel Ball Mfg. Co., Ltd.   | 07/02/2017 | 3269506 | 17745116.8 |        |
| 3269845 | HONDA MOTOR CO., LTD.<br>The University of Connecticut                                 | 26/03/2012 | 3269845 | 17185941.6 |        |
| 3270057 | Guangdong Midea Kitchen Appliances<br>Manufacturing Co., Ltd.<br>Midea Group Co., Ltd. | 23/06/2015 | 3270057 | 15884325.0 |        |
| 3270442 | FDK Corporation  | 23/02/2016 | 3270442 | 16761475.9 |        |
| 3270731 | Ergotron, Inc.   | 16/03/2016 | 3270731 | 16713690.2 |        |
| 3271133 | Lindauer Dornier Gesellschaft mit<br>beschränkter Haftung                              | 02/03/2016 | 3271133 | 16709735.1 | German |
| 3271590 | Delta Energy GmbH&Co. KG 1   | 03/04/2017 | 3271590 | 17727091.5 | German |
| 3272373 | Proposit Bio, S.L.<br>Parrado González, Carmelo<br>Hurtado Mondéjar, Maria del Carmen  | 30/12/2016 | 3272373 | 16382674.6 |        |
| 3272969 | Krupnov, Sergey  | 30/12/2015 | 3272969 | 15886158.3 |        |
| 3273079 | Technologies' Xanadu of Resonatory-<br>Solar- Systemed Co., Ltd                        | 15/03/2016 | 3273079 | 16892140.1 |        |
| 3273138 | NISSAN MOTOR CO., LTD.   | 17/03/2015 | 3273138 | 15885413.3 |        |
| 3273494 | Hakusan, Inc.  | 16/03/2015 | 3273494 | 15885399.4 |        |
| 3273536 | Guangdong Oppo Mobile<br>Telecommunications Corp., Ltd                                 | 21/06/2016 | 3273536 | 16895065.7 |        |
| 3273642 | Nippon Telegraph and Telephone<br>Corporation  | 28/03/2016 | 3273642 | 16772727.0 |        |
| 3273667 | Rockwell Automation Technologies,<br>Inc.  | 28/06/2017 | 3273667 | 17178256.8 |        |
| 3273756 | NEC Platforms, Ltd.  | 17/08/2016 | 3273756 | 16896691.9 |        |
| 3273758 | Rockwell Automation Technologies,<br>Inc.  | 28/06/2017 | 3273758 | 17178257.6 |        |
| 3273957 | Medday Pharmaceuticals   | 25/03/2016 | 3273957 | 16713833.8 |        |
| 3274438 | Pernod Ricard  | 23/03/2016 | 3274438 | 16718402.7 | French |
| 3274479 | Minkpapier A/S   | 22/03/2016 | 3274479 | 16711610.2 |        |
| 3274481 | Diehl Metall Stiftung & Co. KG   | 08/03/2016 | 3274481 | 16708360.9 | German |
| 3274850 | INTEL Corporation  | 11/03/2016 | 3274850 | 16773713.9 |        |

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| 3275864 | Shenyang Sunshine Pharmaceutical Co., Ltd.  | 14/12/2015             | 3275864      | 15887310.9 |        |
| 3276496 | Mitsubishi Electric Corporation   | 25/03/2015             | 3276496      | 15886351.4 |        |
| 3277559 | PSA AUTOMOBILES S.A.  | 12/02/2016             | 3277559      | 16707908.6 | French |
| 3277908 | Polemaster Pty Ltd.   | 24/03/2016             | 3277908      | 16771090.4 |        |
| 3278239 | AB Initio Technology LLC  | 22/03/2016             | 3278239      | 16716093.6 |        |
| 3278758 | Globus Medical, Inc.  | 12/05/2017             | 3278758      | 17170880.3 |        |
| 3278926 | Daewon Applied Eng. Co.   | 15/12/2016             | 3278926      | 16889669.4 |        |
| 3278981 | Kuraray Co., Ltd.   | 30/03/2016             | 3278981      | 16771793.3 |        |
| 3279955 | Sumitomo Chemical Company, Limited  | 02/03/2016             | 3279955      | 16772062.2 |        |
| 3280140 | Samsung Electronics Co., Ltd.   | 05/04/2011             | 3280140      | 17188268.1 |        |
| 3280412 | Laboratori Baldacci S.p.A.  | 06/04/2016             | 3280412      | 16725901.9 |        |
| 3280451 | The United States Of America as Represented by the Secretary, Department of Health an Human Service | 07/04/2016             | 3280451      | 16717228.7 |        |
| 3280494 | Nucletron Operations B.V.   | 11/04/2016             | 3280494      | 16731362.6 |        |
| 3280750 | Rhodia Operations   | 06/04/2016             | 3280750      | 16716523.2 | French |
| 3281676 | Kentech Systems Limited   | 09/03/2017             | 3281676      | 17763416.9 |        |
| 3281881 | Fujimori Kogyo Co., Ltd.  | 06/04/2016             | 3281881      | 16776544.5 |        |
| 3281971 | Zeon Corporation  | 07/01/2016             | 3281971      | 16764510.0 |        |
| 3282107 | Volvo Truck Corporation   | 03/04/2013             | 3282107      | 17192005.1 |        |
| 3282551 | Guangdong Oppo Mobile Telecommunications Corp., Ltd   | 07/01/2017             | 3282551      | 17746704.0 |        |
| 3282590 | Samsung Electronics Co., Ltd.   | 05/09/2013             | 3282590      | 17187354.0 |        |
| 3283198 | Dow Global Technologies LLC   | 22/09/2015             | 3283198      | 15778106.3 |        |
| 3283476 | Bayer Cropscience AG  | 12/04/2016             | 3283476      | 16717873.0 |        |
| 3283575 | Akzo Nobel Coatings International B.V.  | 30/03/2016             | 3283575      | 16713855.1 | German |
| 3283691 | Ten Cate Thiolon B.V.   | 13/04/2016             | 3283691      | 16731365.9 |        |
| 3284099 | Eaton Corporation   | 31/03/2016             | 3284099      | 16715751.0 |        |
| 3284301 | Motorola Mobility LLC   | 12/04/2016             | 3284301      | 16718945.5 |        |
| 3284304 | Qualcomm Incorporated   | 06/04/2016             | 3284304      | 16718086.8 |        |
| 3285575 | Bone Therapeutics S.A.  | 22/04/2016             | 3285575      | 16721721.5 |        |
| 3285737 | Cosmetic Warriors Limited   | 21/04/2016             | 3285737      | 16718870.5 |        |
| 3286682 | Gemalto SA  | 23/03/2016             | 3286682      | 16714330.4 |        |
| 3287219 | Robert Bosch GmbH   | 09/01/2012             | 3287219      | 17191663.8 | German |
| 3287237 | Etablissements Georges Renault  | 22/08/2017             | 3287237      | 17187361.5 | French |

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| 3287510 | Suez International<br>TerraNova Energy GmbH                    | 29/10/2015 | 3287510 | 17195045.4 | French |
| 3288242 | Huawei Technologies Co., Ltd.                                  | 13/05/2015 | 3288242 | 15891519.9 |        |
| 3288440 | Canon Kabushiki Kaisha   | 30/03/2016 | 3288440 | 16717202.2 |        |
| 3288655 | Microsoft Technology Licensing, LLC                            | 06/04/2016 | 3288655 | 16716432.6 |        |
| 3288993 | Covestro Deutschland AG  | 26/04/2016 | 3288993 | 16718673.3 | German |
| 3289962 | Horiba Advanced Techno Co., Ltd.<br>Olympus Corporation        | 16/05/2016 | 3289962 | 16803031.0 |        |
| 3290447 | LG Chem, Ltd.  | 12/01/2016 | 3290447 | 16786614.4 |        |
| 3290494 | Clariant International Ltd                                     | 02/09/2016 | 3290494 | 16187062.1 |        |
| 3290528 | Illumina, Inc.   | 21/09/2012 | 3290528 | 17180583.1 |        |
| 3290883 | Ansaldo Energia Switzerland AG                                 | 31/08/2016 | 3290883 | 16186709.8 |        |
| 3290936 | LG Chem, Ltd.  | 23/11/2016 | 3290936 | 16868874.5 |        |
| 3290946 | Preco Electronics, LLC   | 01/09/2017 | 3290946 | 17189023.9 |        |
| 3291460 | Huawei Technologies Co., Ltd.                                  | 25/06/2015 | 3291460 | 15895953.6 |        |
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| 3291949 | Keter Plastic Ltd.   | 04/05/2016 | 3291949 | 16726203.9 |        |
| 3292067 | thyssenkrupp Elevator AG<br>thyssenkrupp AG                    | 14/04/2016 | 3292067 | 16716239.5 | German |
| 3292112 | Indoco Remedies Limited  | 03/05/2016 | 3292112 | 16738885.9 |        |
| 3292284 | Volvo Truck Corporation  | 03/05/2016 | 3292284 | 16724313.8 |        |
| 3292654 | Thanksys NV<br>Sodexo SA                                       | 04/05/2016 | 3292654 | 16725048.9 |        |
| 3292661 | New H3C Technologies Co., Ltd.                                 | 04/05/2016 | 3292661 | 16789315.5 |        |
| 3292751 | Simon, Reinhard  | 11/09/2017 | 3292751 | 17190360.2 | German |
| 3292845 | Sefar AG   | 08/09/2016 | 3292845 | 16187791.5 | German |
| 3293181 | Hangzhou Huadong Medicine Group<br>Biopharmaceutical Co., Ltd. | 03/05/2016 | 3293181 | 16789302.3 |        |
| 3293209 | Thai Polyethylene Co., Ltd.<br>SCG Chemicals Co., Ltd.         | 12/09/2016 | 3293209 | 16188329.3 |        |
| 3293213 | Thai Polyethylene Co., Ltd.<br>SCG Chemicals Co., Ltd.         | 12/09/2016 | 3293213 | 16188343.4 |        |
| 3293607 | Samsung Electronics Co., Ltd.                                  | 08/09/2017 | 3293607 | 17190229.9 |        |
| 3293726 | Ignis Innovation Inc.  | 26/05/2012 | 3293726 | 17195377.1 |        |
| 3293745 | Heraeus Battery Technology GmbH                                | 12/09/2016 | 3293745 | 16188414.3 | German |
| 3293911 | Telefonaktiebolaget LM Ericsson (publ)                         | 06/10/2015 | 3293911 | 17197041.1 |        |
| 3294512 | Dieffenbacher GmbH Maschinen- und<br>Anlagenbau                | 11/05/2016 | 3294512 | 16722200.9 | German |

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| 3294540 | Dieffenbacher GmbH Maschinen- und Anlagenbau   | 11/05/2016             | 3294540 16724336.9 German |
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| 3294962 | Albrecht Flach GbR   | 12/05/2016             | 3294962 16722881.6 German |
| 3295272 | Cypress Semiconductor Corporation  | 02/02/2016             | 3295272 16796857.7        |
| 3295458 | Western Digital Technologies, Inc.   | 29/08/2016             | 3295458 16844892.6        |
| 3295908 | Try And E Co., Ltd   | 06/06/2016             | 3295908 16904253.8        |
| 3295995 | Zedel  | 14/09/2017             | 3295995 17191101.9 French |
| 3296340 | Schneider Electric Industries SAS<br>Université De Reims Champagne-Ardenne<br>Centre National de la Recherche Scientifique | 13/09/2017             | 3296340 17190925.2 French |
| 3296519 | United Technologies Corporation  | 15/09/2017             | 3296519 17191286.8        |
| 3296627 | OSRAM GmbH   | 08/09/2017             | 3296627 17190205.9        |
| 3296699 | Continental Teves AG & Co. OHG   | 23/08/2017             | 3296699 17187417.5 German |
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| 3296885 | Huawei Technologies Co., Ltd.  | 28/05/2016             | 3296885 16843471.0        |
| 3297234 | Juniper Networks, Inc.   | 10/11/2011             | 3297234 17196024.8        |
| 3297254 | ZTE Corporation  | 16/10/2015             | 3297254 15891660.1        |
| 3297320 | Huawei Technologies Co., Ltd.  | 10/06/2015             | 3297320 15894613.7        |
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| 3298238 | Halliburton Energy Services, Inc.  | 10/07/2015             | 3298238 15898428.6        |
| 3298660 | AMAD - Mennekes Holding GmbH & Co. KG  | 02/05/2016             | 3298660 16724854.1 German |
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| 3299047 | B. Braun Avitum AG   | 29/08/2017             | 3299047 17188239.2 German |
| 3299398 | Denka Company Limited  | 18/05/2016             | 3299398 16796535.9        |
| 3299593 | United Technologies Corporation  | 11/05/2017             | 3299593 17170671.6        |
| 3299611 | ZT-Fritsch GmbH  | 26/09/2017             | 3299611 17193215.5 German |
| 3299658 | Alps Alpine Co., Ltd.  | 15/09/2017             | 3299658 17191390.8        |
| 3299908 | The Swatch Group Research and Development Ltd.   | 27/09/2016             | 3299908 16190915.5 French |
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| 3300428 | Huawei Technologies Co., Ltd.                                     | 21/08/2008 | 3300428 | 17195574.3 |        |
| 3300734 | Inflammatory Response Research, Inc.                              | 07/03/2014 | 3300734 | 17195345.8 |        |
| 3300915 | AGFA NV   | 30/09/2016 | 3300915 | 16191663.0 |        |
| 3300916 | AGFA NV<br>Unilin BVBA  | 30/09/2016 | 3300916 | 16191676.2 |        |
| 3300919 | Sumitomo Rubber Industries, Ltd.                                  | 08/09/2017 | 3300919 | 17190015.2 |        |
| 3300922 | The Goodyear Tire & Rubber Company                                | 22/09/2017 | 3300922 | 17192519.1 |        |
| 3300924 | Continental Reifen Deutschland GmbH                               | 29/06/2017 | 3300924 | 17178549.6 | German |
| 3301030 | WestRock Packaging Systems, LLC                                   | 30/04/2014 | 3301030 | 17199784.4 |        |
| 3301262 | Rolls-Royce plc   | 22/08/2017 | 3301262 | 17187258.3 |        |
| 3301321 | Yamaha Hatsudoki Kabushiki Kaisha                                 | 24/08/2017 | 3301321 | 17187630.3 |        |
| 3301493 | Nidec Sankyo Corporation  | 28/09/2017 | 3301493 | 17193676.8 |        |
| 3301502 | Panasonic Intellectual Property<br>Management Co., Ltd.           | 13/06/2016 | 3301502 | 16817424.1 |        |
| 3301884 | Kyland Technology Co., Ltd.                                       | 29/12/2016 | 3301884 | 16207225.0 |        |
| 3302384 | The Procter & Gamble Company                                      | 19/05/2016 | 3302384 | 16725727.8 |        |
| 3302408 | The Procter & Gamble Company                                      | 01/06/2016 | 3302408 | 16728813.3 |        |
| 3302612 | INTERMEDT Medizin & Technik<br>GmbH                               | 27/05/2016 | 3302612 | 16726847.3 | German |
| 3302618 | Oxyles Limited  | 06/06/2016 | 3302618 | 16727824.1 |        |
| 3302668 | Foote, Roger  | 31/05/2016 | 3302668 | 16802236.6 |        |
| 3302800 | Mimetas B.V.  | 05/06/2015 | 3302800 | 15738488.4 |        |
| 3303162 | can2close GmbH  | 03/06/2016 | 3303162 | 16727189.9 | German |
| 3303167 | Rieke Packaging Systems Limited                                   | 27/04/2016 | 3303167 | 16721878.3 |        |
| 3304047 | Commissariat à l'Énergie Atomique et<br>aux Énergies Alternatives | 07/06/2016 | 3304047 | 16729835.5 | French |
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| 3305133 | Pao Shen Enterprises Co., Ltd.                                    | 04/10/2017 | 3305133 | 17194812.8 |        |
| 3305165 | Olympus Corporation   | 24/05/2016 | 3305165 | 16800029.7 |        |
| 3305438 | Nissan Motor Co., Ltd.  | 01/06/2015 | 3305438 | 15894135.1 |        |
| 3305603 | Autoliv Development AB  | 07/10/2016 | 3305603 | 16192871.8 |        |
| 3305908 | SY-LAB Vertriebsgesellschaft m.b.H.                               | 05/10/2016 | 3305908 | 16192488.1 | German |
| 3306074 | Yamaha Hatsudoki Kabushiki Kaisha                                 | 27/09/2017 | 3306074 | 17193476.3 |        |
| 3306406 | Konica Minolta, Inc.  | 31/08/2017 | 3306406 | 17188685.6 |        |
| 3306424 | SICK AG   | 10/10/2016 | 3306424 | 16193051.6 | German |
| 3306754 | Sumitomo Wiring Systems, Ltd.<br>Nissan Motor Co., Ltd.           | 13/05/2016 | 3306754 | 16803016.1 |        |

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| 3306956 | Oticon A/S   | 27/09/2017             | 3306956      | 17193370.8 |        |
| 3307655 | Sandvik Intellectual Property AB                     | 15/06/2015             | 3307655      | 15730736.4 |        |
| 3307846 | Merck Patent GmbH                                    | 13/05/2016             | 3307846      | 16722791.7 |        |
| 3307982 | Interwell Technology AS                              | 27/05/2016             | 3307982      | 16725150.3 |        |
| 3308088 | Rosmarin Holdings Limited                            | 13/06/2016             | 3308088      | 16731074.7 | German |
| 3308420 | Elcogen OY   | 12/06/2015             | 3308420      | 15733783.3 |        |
| 3308592 | Motorola Mobility LLC                                | 02/06/2016             | 3308592      | 16728564.2 |        |
| 3308619 | Amazonen-Werke H. Dreyer GmbH & Co. KG               | 05/10/2017             | 3308619      | 17401107.2 | German |
| 3308695 | Nokia Technologies OY                                | 11/10/2016             | 3308695      | 16193376.7 |        |
| 3308927 | TE Connectivity Germany GmbH                         | 13/10/2016             | 3308927      | 16193777.6 |        |
| 3308931 | Cooper Standard GmbH                                 | 14/10/2016             | 3308931      | 16193930.1 |        |
| 3308981 | Bridgestone Corporation                              | 19/04/2016             | 3308981      | 16811311.6 |        |
| 3309056 | The Boeing Company                                   | 15/04/2014             | 3309056      | 17198687.0 |        |
| 3309123 | Panasonic Intellectual Property Management Co., Ltd. | 11/10/2017             | 3309123      | 17195829.1 |        |
| 3309339 | GU Automatic GmbH                                    | 14/10/2016             | 3309339      | 16193890.7 | German |
| 3309389 | VESTAS WIND SYSTEMS A/S                              | 03/09/2015             | 3309389      | 17194978.7 |        |
| 3310223 | Gruber, Franz  | 16/06/2016             | 3310223      | 16734212.0 | German |
| 3310269 | Boston Scientific Scimed, Inc.                       | 06/10/2016             | 3310269      | 16781979.6 |        |
| 3310709 | bw-energiesysteme GmbH                               | 17/06/2016             | 3310709      | 16735820.9 | German |
| 3310967 | Guardiar Europe                                      | 17/06/2015             | 3310967      | 15733918.5 |        |
| 3311590 | Huawei Technologies Co., Ltd.                        | 15/10/2015             | 3311590      | 15790475.6 |        |
| 3312058 | PSA Automobiles SA                                   | 19/09/2017             | 3312058      | 17191947.5 | French |
| 3312101 | Sánchez González, Andrés                             | 19/01/2016             | 3312101      | 16380001.4 |        |
| 3312117 | Murata Machinery, Ltd.                               | 17/10/2017             | 3312117      | 17196775.5 |        |
| 3312376 | GIBUS S.p.A.   | 24/10/2017             | 3312376      | 17198161.6 |        |
| 3312507 | Mitsubishi Hitachi Power Systems, Ltd.               | 24/10/2017             | 3312507      | 17198057.6 |        |
| 3312508 | Mitsubishi Hitachi Power Systems, Ltd.               | 20/10/2017             | 3312508      | 17197585.7 |        |
| 3312905 | Samsung Electronics Co., Ltd.                        | 24/10/2017             | 3312905      | 17197989.1 |        |
| 3312936 | Aptiv Technologies Limited                           | 19/10/2016             | 3312936      | 16194696.7 |        |
| 3313565 | Covestro Deutschland AG                              | 27/06/2016             | 3313565      | 16731942.5 | German |
| 3313593 | ADMC Holding, LLC                                    | 23/06/2016             | 3313593      | 16741654.4 | French |
| 3313608 | SCHOTT AG  | 28/06/2016             | 3313608      | 16724005.0 | German |
| 3314143 | Soleco Engineering S.r.l.                            | 22/06/2016             | 3314143      | 16735572.6 |        |
| 3314798 | Telefonaktiebolaget LM Ericsson (publ)               | 29/06/2015             | 3314798      | 15739355.4 |        |
| 3314962 | Bayerische Motoren Werke Aktiengesellschaft          | 09/05/2016             | 3314962      | 16722631.5 | German |

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| 3315037 | Holik International s.r.o.<br>Západočeská univerzita v Plzni<br>Applycon s.r.o.   | 26/10/2016 | 3315037 | 16195711.3 |        |
| 3315163 | Acclarent, Inc.<br>Biosense Webster (Israel) Ltd.   | 24/10/2017 | 3315163 | 17198100.4 |        |
| 3315395 | Amprio GmbH   | 09/10/2017 | 3315395 | 17195452.2 | German |
| 3315427 | The Procter & Gamble Company  | 28/10/2016 | 3315427 | 16196153.7 |        |
| 3315533 | LG Chem, Ltd.   | 31/03/2017 | 3315533 | 17775898.4 |        |
| 3316281 | Semiconductor Manufacturing<br>International (Shanghai) Corporation<br>Semiconductor Manufacturing<br>International (Beijing) Corporation | 27/10/2017 | 3316281 | 17198885.0 |        |
| 3316354 | Lumimodule Optical Corporation  | 25/09/2017 | 3316354 | 17192878.1 |        |
| 3316680 | Viking Genetics FmbA  | 30/06/2016 | 3316680 | 16734324.3 |        |
| 3317041 | Constellium Neuf-Brisach  | 30/06/2016 | 3317041 | 16741669.2 | French |
| 3317044 | Sandvik Intellectual Property AB  | 30/06/2016 | 3317044 | 16734346.6 |        |
| 3317088 | HAWE Altenstadt Holding GmbH  | 10/11/2016 | 3317088 | 16795020.3 | German |
| 3317112 | Sectago GmbH  | 22/06/2016 | 3317112 | 16731582.9 | German |
| 3317486 | TRACTO-TECHNIK GmbH & Co. KG  | 28/06/2016 | 3317486 | 16735992.6 | German |
| 3317949 | ABB Schweiz AG  | 29/06/2016 | 3317949 | 16733522.3 |        |
| 3318001 | Telefonaktiebolaget LM Ericsson<br>(PUBL)   | 30/06/2015 | 3318001 | 15739696.1 |        |
| 3318118 | Tuinbouw Technisch Atelier (TTA)<br>B.V.  | 03/11/2017 | 3318118 | 17199995.6 |        |
| 3318147 | ATMOS airwalk ag  | 04/11/2016 | 3318147 | 16197329.2 | German |
| 3318475 | Visionar S.r.l.   | 30/10/2017 | 3318475 | 17199205.0 |        |
| 3318617 | Kunshan Go-Visionox Opto-Electronics<br>Co., Ltd.<br>Tsinghua University  | 15/06/2016 | 3318617 | 16817142.9 |        |
| 3319294 | TOYOTA JIDOSHA KABUSHIKI<br>KAISHA  | 06/10/2017 | 3319294 | 17195308.6 |        |
| 3319318 | Deutsche Telekom AG   | 03/11/2016 | 3319318 | 16197122.1 |        |
| 3319717 | Provaine  | 30/06/2016 | 3319717 | 16742352.4 | French |
| 3319823 | Volkswagen Aktiengesellschaft   | 17/06/2016 | 3319823 | 16731848.4 | German |
| 3320148 | Profextru Holding B.v.  | 29/06/2016 | 3320148 | 16750514.8 |        |
| 3320248 | Landmeco. Ølgod A/S   | 16/06/2016 | 3320248 | 16745043.6 |        |
| 3320406 | Siemens Aktiengesellschaft  | 21/09/2015 | 3320406 | 15775646.1 | German |

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| 3320792 | Joyetech (Changzhou) Electronics Co., Ltd.               | 14/12/2012             | 3320792      | 17206828.0 |        |
| 3320797 | Brogent Technologies Inc.                                | 19/10/2017             | 3320797      | 17197236.7 |        |
| 3321001 | Voestalpine Böhler Welding UTP Maintenance GmbH          | 10/11/2017             | 3321001      | 17201041.5 | German |
| 3321152 | TOYOTA JIDOSHA KABUSHIKI KAISHA                          | 01/11/2017             | 3321152      | 17199561.6 |        |
| 3321763 | AGCO International GmbH                                  | 25/10/2017             | 3321763      | 17198250.7 |        |
| 3322126 | Accenture Global Solutions Limited                       | 04/10/2017             | 3322126      | 17194773.2 |        |
| 3323272 | Société des Produits Nestlé S.A.                         | 09/05/2016             | 3323272      | 16722152.2 |        |
| 3323354 | DePuy Ireland Unlimited Company                          | 18/03/2011             | 3323354      | 17207748.9 |        |
| 3323554 | ADHEX TECHNOLOGIES                                       | 09/11/2017             | 3323554      | 17200854.2 | French |
| 3323683 | Volvo Car Corporation                                    | 18/11/2016             | 3323683      | 16199451.2 |        |
| 3323781 | Diehl Aviation Gilching GmbH                             | 18/11/2016             | 3323781      | 16199633.5 |        |
| 3323782 | Diehl Aviation Gilching GmbH                             | 18/11/2016             | 3323782      | 16199636.8 |        |
| 3323812 | Parion Sciences, Inc.                                    | 16/12/2013             | 3323812      | 17184319.6 |        |
| 3323875 | Henkel AG & Co. KGaA                                     | 18/12/2012             | 3323875      | 17209243.9 |        |
| 3324081 | AISIN SEIKI KABUSHIKI KAISHA                             | 13/09/2017             | 3324081      | 17190891.6 |        |
| 3324090 | Ratier-Figeac SAS  | 22/11/2016             | 3324090      | 16306536.0 |        |
| 3324900 | Radial Cradle Ltd  | 22/07/2016             | 3324900      | 16744489.2 |        |
| 3324912 | Pavlovic, Srdjan   | 12/07/2016             | 3324912      | 16757982.0 |        |
| 3326105 | Intel Corporation  | 20/06/2016             | 3326105      | 16828191.3 |        |
| 3326207 | SanDisk Technologies LLC                                 | 31/08/2016             | 3326207      | 16763685.1 |        |
| 3326685 | Oticon Medical A/S                                       | 06/11/2017             | 3326685      | 17200095.2 |        |
| 3326718 | Yantai AusBio Laboratories Co., Ltd.                     | 07/10/2014             | 3326718      | 18151225.2 |        |
| 3327072 | ABU DHABI POLYMERS CO. LTD (BOROUGE) LLC.<br>Borealis AG | 24/11/2016             | 3327072      | 16200547.4 |        |
| 3327195 | Miele & Cie. KG  | 26/10/2017             | 3327195      | 17198448.7 | German |
| 3327497 | AU Optronics Corporation                                 | 30/08/2017             | 3327497      | 17188494.3 |        |
| 3327529 | Airbus Defence and Space SA                              | 29/11/2016             | 3327529      | 16382570.6 |        |
| 3327747 | Schneider Electric Industries SAS                        | 09/10/2017             | 3327747      | 17195386.2 | French |
| 3327959 | Mitsubishi Electric Corporation                          | 24/11/2015             | 3327959      | 15909201.4 |        |
| 3327990 | Deutsche Telekom AG                                      | 28/11/2016             | 3327990      | 16200886.6 |        |
| 3328012 | Technische Universität München                           | 24/11/2016             | 3328012      | 16200537.5 |        |
| 3328068 | Guangdong Oppo Mobile Telecommunications Corp., Ltd      | 02/11/2017             | 3328068      | 17199640.8 |        |



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| 3328173 | Hyundai Motor Company<br>Kia Motors Corporation                      | 19/06/2017 | 3328173 | 17176574.6 |        |
| 3328274 | Medtronic Inc.   | 13/05/2016 | 3328274 | 16736277.1 |        |
| 3328461 | Angiodroid S.r.l.  | 28/07/2016 | 3328461 | 16754554.0 |        |
| 3328628 | Holweg Group   | 29/06/2016 | 3328628 | 16742347.4 | French |
| 3328706 | Siemens Mobility GmbH  | 06/09/2016 | 3328706 | 16767170.0 | German |
| 3328857 | Merck Patent GmbH  | 30/06/2016 | 3328857 | 16732946.5 |        |
| 3329142 | Bayerische Motoren Werke<br>Aktiengesellschaft                       | 29/06/2016 | 3329142 | 16733077.8 | German |
| 3329187 | Negri, Maurizio  | 21/04/2016 | 3329187 | 16723665.2 |        |
| 3329875 | St. Jude Medical International Holding<br>S.à r.l.                   | 10/05/2010 | 3329875 | 17195203.9 |        |
| 3330081 | Gurit (UK) Ltd.  | 04/12/2017 | 3330081 | 17205188.0 |        |
| 3330512 | IVECO MAGIRUS AG   | 01/12/2017 | 3330512 | 17205033.8 |        |
| 3330621 | mitsubishi heavy industries<br>THERMAL SYSTEMS, LTD.                 | 29/11/2017 | 3330621 | 17204519.7 |        |
| 3330684 | SICK AG  | 05/12/2016 | 3330684 | 16202118.2 | German |
| 3330792 | Switch Materials, Inc.   | 18/04/2013 | 3330792 | 17204963.7 |        |
| 3330938 | Maclean-Fogg Company   | 27/10/2017 | 3330938 | 17198828.0 |        |
| 3331124 | Samsung Electronics Co., Ltd.  | 10/11/2017 | 3331124 | 17201117.3 |        |
| 3331141 | Honeywell International Inc.   | 28/11/2017 | 3331141 | 17204227.7 |        |
| 3331214 | Cisco Technology, Inc.   | 24/11/2017 | 3331214 | 17203669.1 |        |
| 3332147 | Valeo Embayages  | 27/07/2016 | 3332147 | 16750670.8 | French |
| 3332697 | The Swatch Group Research and<br>Development Ltd                     | 09/11/2017 | 3332697 | 17200711.4 | French |
| 3332748 | Zimmer, Inc.   | 22/07/2011 | 3332748 | 17163432.2 |        |
| 3332922 | Würth International AG   | 07/12/2015 | 3332922 | 18152352.3 | German |
| 3333000 | AUDI AG  | 23/10/2017 | 3333000 | 17197709.3 | German |
| 3333058 | Tong, Kun Yuan   | 23/11/2017 | 3333058 | 17203372.2 |        |
| 3333122 | Gruber, Günther  | 23/11/2017 | 3333122 | 17001926.9 | German |
| 3333140 | Commissariat à l'Energie Atomique et<br>aux Energies Alternatives    | 07/12/2017 | 3333140 | 17206039.4 | French |
| 3333319 | Wirtgen GmbH   | 07/12/2017 | 3333319 | 17206016.2 | German |
| 3333743 | AO Kaspersky Lab   | 25/08/2017 | 3333743 | 17187875.4 |        |
| 3333745 | Thales   | 08/12/2017 | 3333745 | 17206236.6 | French |
| 3333996 | Hubbell Incorporated   | 14/03/2014 | 3333996 | 18154089.9 |        |
| 3334018 | Enrichment Technology Company Ltd.<br>Zweigniederlassung Deutschland | 12/12/2016 | 3334018 | 16203334.4 | German |

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| 3334250 | BSH Hausgeräte GmbH  | 24/11/2017             | 3334250      | 17203474.6 |        |
| 3335077 | Corephotonics Ltd.   | 05/09/2016             | 3335077      | 16840961.3 |        |
| 3335417 | Raytheon Company   | 14/06/2016             | 3335417      | 16732150.4 |        |
| 3335535 | Amazonen-Werke H. Dreyer GmbH & Co. KG                               | 07/12/2017             | 3335535      | 17401123.9 | German |
| 3336141 | The Goodyear Tire & Rubber Company                                   | 18/12/2017             | 3336141      | 17208246.3 |        |
| 3336239 | LG Electronics Inc.  | 08/12/2017             | 3336239      | 17206069.1 |        |
| 3336582 | Aptiv Technologies Limited   | 23/11/2017             | 3336582      | 17203382.1 |        |
| 3337735 | Mausser-Werke GmbH   | 16/08/2016             | 3337735      | 16756944.1 | German |
| 3337920 | Heberlein AG   | 30/06/2015             | 3337920      | 15734118.1 | German |
| 3337941 | Assa Abloy Limited   | 19/08/2016             | 3337941      | 16757053.0 |        |
| 3338169 | Razer (Asia-Pacific) Pte Ltd.  | 21/08/2015             | 3338169      | 15902380.3 |        |
| 3339105 | Robert Bosch GmbH  | 13/11/2017             | 3339105      | 17201229.6 |        |
| 3339108 | Kabushiki Kaisha Tokai Rika Denki Seisakusho                         | 14/12/2017             | 3339108      | 17207259.7 |        |
| 3339191 | CYBORGLINE SA  | 19/12/2017             | 3339191      | 17208675.3 |        |
| 3339198 | Altopack S.P.A.  | 20/12/2017             | 3339198      | 17208740.5 |        |
| 3339200 | Altopack S.P.A.  | 20/12/2017             | 3339200      | 17208773.6 |        |
| 3339204 | Philip Morris Products S.A.  | 17/12/2012             | 3339204      | 18157242.1 |        |
| 3339285 | Jiangsu Province Institute of Traditional Chinese Medicine           | 19/06/2017             | 3339285      | 17176719.7 |        |
| 3339569 | Korfmann Lufttechnik GmbH  | 15/12/2017             | 3339569      | 17207822.2 | German |
| 3339575 | United Technologies Corporation                                      | 17/11/2017             | 3339575      | 17202240.2 |        |
| 3339591 | Perkins Engines Company Limited                                      | 21/12/2016             | 3339591      | 16205952.1 |        |
| 3339658 | 3M Innovative Properties Company                                     | 20/12/2016             | 3339658      | 16205448.0 |        |
| 3339667 | MEKRA LANG GmbH & Co. KG   | 06/12/2017             | 3339667      | 17205665.7 | German |
| 3339722 | Obelux Oy  | 20/12/2016             | 3339722      | 16205223.7 |        |
| 3340390 | Nordex Energy GmbH   | 21/12/2016             | 3340390      | 16205897.8 | German |
| 3340409 | ABB Schweiz AG   | 23/12/2016             | 3340409      | 16206543.7 |        |
| 3340566 | Cisco Technology, Inc.   | 15/12/2017             | 3340566      | 17207688.7 |        |
| 3341583 | Saudi Arabian Oil Company  | 14/04/2016             | 3341583      | 16718158.5 |        |
| 3341593 | Saudi Arabian Oil Company  | 23/08/2016             | 3341593      | 16770109.3 |        |
| 3341648 | ITZ Innovations- und Technologiezentrum GmbH                         | 29/08/2016             | 3341648      | 16763223.1 | German |
| 3341746 | Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V. | 22/08/2016             | 3341746      | 16757215.5 | German |
| 3342274 | AGCO Corporation   | 22/11/2017             | 3342274      | 17203091.8 |        |

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| 3342295 | Tetra Laval Holdings & Finance S.A.                                  | 19/12/2017 | 3342295 | 17208419.6 |        |
| 3342620 | TOYOTA JIDOSHA KABUSHIKI<br>KAISHA                                   | 18/12/2017 | 3342620 | 17208157.2 |        |
| 3342927 | Seiko Epson Corporation  | 19/12/2017 | 3342927 | 17208435.2 |        |
| 3343092 | OSRAM GmbH   | 27/12/2017 | 3343092 | 17210714.6 |        |
| 3343093 | OSRAM GmbH   | 27/12/2017 | 3343093 | 17210745.0 |        |
| 3343291 | Shin-Etsu Chemical Co., Ltd.   | 27/12/2017 | 3343291 | 17210641.1 |        |
| 3343559 | Beijing Xiaoniao Tingting Technology<br>Co., Ltd                     | 20/12/2017 | 3343559 | 17208986.4 |        |
| 3343560 | FUJITSU LIMITED  | 15/11/2017 | 3343560 | 17201820.2 |        |
| 3343738 | Immersion Corporation  | 22/12/2017 | 3343738 | 17210213.9 |        |
| 3343782 | Oticon A/S   | 18/12/2017 | 3343782 | 17208139.0 |        |
| 3343881 | HUAWEI TECHNOLOGIES CO.,<br>LTD.                                     | 09/11/2016 | 3343881 | 16909061.0 |        |
| 3343886 | Guangdong OPPO Mobile<br>Telecommunications Corp., Ltd.              | 29/12/2017 | 3343886 | 17211050.4 |        |
| 3344332 | Boston Scientific Neuromodulation<br>Corporation                     | 13/10/2016 | 3344332 | 16787979.0 |        |
| 3344377 | Sartorius Stedim Biotech GmbH  | 29/08/2016 | 3344377 | 16757563.8 | German |
| 3344383 | Albert-Ludwigs-Universität Freiburg                                  | 29/08/2016 | 3344383 | 16757266.8 | German |
| 3344469 | Bundesdruckerei GmbH   | 01/09/2016 | 3344469 | 16759784.8 | German |
| 3344524 | Gazelle Tech   | 02/09/2016 | 3344524 | 16775765.7 | French |
| 3345581 | Yamaha Hatsudoki Kabushiki Kaisha                                    | 02/09/2015 | 3345581 | 15903018.8 |        |
| 3346522 | Commissariat à l'Energie Atomique et<br>aux Energies Alternatives    | 20/12/2017 | 3346522 | 17209047.4 | French |
| 3346534 | COMMISSARIAT À L'ÉNERGIE<br>ATOMIQUE ET AUX ÉNERGIES<br>ALTERNATIVES | 08/01/2018 | 3346534 | 18150601.5 | French |
| 3346538 | Commissariat à l'énergie atomique et<br>aux énergies alternatives    | 02/01/2018 | 3346538 | 18150108.1 | French |
| 3346874 | IKEA Supply AG   | 07/09/2016 | 3346874 | 16763249.6 |        |
| 3347105 | Pierre Fabre Médicament  | 08/09/2016 | 3347105 | 16763768.5 | French |
| 3347249 | TRW Limited  | 05/09/2016 | 3347249 | 16762857.7 |        |
| 3347280 | P.E. Labellers S.p.A.  | 09/09/2016 | 3347280 | 16767191.6 |        |
| 3347513 | Lindauer Dornier Gesellschaft mit<br>beschränkter Haftung            | 29/08/2016 | 3347513 | 16758151.1 | German |
| 3347636 | Hilti Aktiengesellschaft   | 02/09/2016 | 3347636 | 16766245.1 | German |
| 3347916 | Aledia   | 09/09/2016 | 3347916 | 16775295.5 | French |

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| 3348121 | Signify Holding B.V.   | 02/09/2016             | 3348121      | 16763005.2 |        |
| 3348180 | Casares, Carlos, Maxwell   | 17/01/2018             | 3348180      | 18152011.5 |        |
| 3348396 | Asahi Kasei Kabushiki Kaisha   | 07/09/2016             | 3348396      | 16844410.7 |        |
| 3348592 | Hubergroup Italia  | 11/01/2017             | 3348592      | 17151032.4 |        |
| 3348736 | VKR Holding A/S  | 12/01/2018             | 3348736      | 18151418.3 |        |
| 3348919 | MITSUBISHI ELECTRIC<br>CORPORATION   | 11/11/2016             | 3348919      | 16898155.3 |        |
| 3349557 | FUJI Corporation   | 08/09/2015             | 3349557      | 15903563.3 |        |
| 3350023 | MCi (Mirror Controls International)<br>Netherlands B.V.  | 16/09/2016             | 3350023      | 16777809.1 |        |
| 3350059 | Volkswagen AG  | 13/09/2016             | 3350059      | 16765970.5 | German |
| 3350243 | Covestro Deutschland AG  | 13/09/2016             | 3350243      | 16763856.8 | German |
| 3350245 | Sika Technology AG   | 16/09/2016             | 3350245      | 16775496.9 | German |
| 3350358 | COBEX GmbH   | 16/09/2016             | 3350358      | 16766325.1 | German |
| 3351050 | Bayerische Motoren Werke<br>Aktiengesellschaft   | 23/08/2016             | 3351050      | 16760412.3 | German |
| 3351056 | Tridonic GmbH & Co. KG   | 15/09/2016             | 3351056      | 16767231.0 | German |
| 3351198 | Erbe Elektromedizin GmbH   | 12/09/2013             | 3351198      | 18157385.8 | German |
| 3352192 | ABB Schweiz AG   | 16/01/2018             | 3352192      | 18151886.1 | German |
| 3352370 | TRW Limited  | 04/06/2014             | 3352370      | 18161108.8 |        |
| 3352413 | Koninklijke KPN N.V.<br>Nederlandse Organisatie voor<br>toegepast- natuurwetenschappelijk<br>onderzoek TNO | 01/07/2010             | 3352413      | 18156861.9 |        |
| 3352531 | STEINEL GmbH   | 30/11/2017             | 3352531      | 17204556.9 | German |
| 3352634 | Essity Hygiene and Health Aktiebolag   | 25/09/2015             | 3352634      | 15767551.3 |        |
| 3352662 | Boston Scientific Scimed Inc.  | 25/09/2016             | 3352662      | 16781919.2 |        |
| 3352685 | Covidien LP  | 23/09/2016             | 3352685      | 16778592.2 |        |
| 3353982 | Citrix Systems Inc.  | 16/09/2016             | 3353982      | 16771063.1 |        |
| 3354351 | Aptar Radolfzell GmbH  | 18/09/2013             | 3354351      | 18163697.8 | German |
| 3355034 | Dr. Johannes Heidenhain GmbH   | 15/01/2018             | 3355034      | 18151547.9 | German |
| 3355619 | HTC Corporation  | 26/01/2018             | 3355619      | 18153667.3 |        |
| 3355752 | SIMONELLI GROUP S.P.A.   | 29/09/2016             | 3355752      | 16774498.6 |        |
| 3356158 | Hueck Folien Gesellschaft m.b.H.   | 03/10/2016             | 3356158      | 16787740.6 | German |
| 3356162 | Compagnie Générale des<br>Etablissements Michelin  | 30/09/2016             | 3356162      | 16778656.5 |        |

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| 3356205 | SABIC Global Technologies B.V.   | 28/09/2016 | 3356205 | 16798271.9 |        |
| 3356300 | UAB Altechna R&D   | 30/09/2016 | 3356300 | 16787347.0 |        |
| 3356504 | Unilever PLC   | 26/09/2016 | 3356504 | 16770515.1 |        |
| 3356567 | Outotec (Finland) Oy   | 30/06/2016 | 3356567 | 16733952.2 |        |
| 3356662 | Flex Fuel - Energy Development   | 30/09/2016 | 3356662 | 16788158.0 | French |
| 3356690 | Patek Philippe SA Genève   | 26/09/2016 | 3356690 | 16774551.2 | French |
| 3357132 | Fraunhofer-Gesellschaft zur Förderung<br>der angewandten Forschung e.V.  | 22/09/2016 | 3357132 | 16770266.1 | German |
| 3357164 | Microsoft Technology Licensing, LLC  | 26/08/2016 | 3357164 | 16767068.6 |        |
| 3357211 | British Telecommunications public<br>limited company   | 29/09/2016 | 3357211 | 16775683.2 |        |
| 3357702 | Dover Europe Sàrl  | 02/02/2018 | 3357702 | 18154994.0 |        |
| 3357820 | Statec Binder GmbH   | 01/02/2017 | 3357820 | 17154252.5 | German |
| 3358042 | KABUSHIKI KAISHA TOSHIBA   | 14/09/2017 | 3358042 | 17191057.3 |        |
| 3358087 | MANITOU BF   | 23/01/2018 | 3358087 | 18152866.2 | French |
| 3358163 | Aisin Seiki Kabushiki Kaisha   | 12/09/2016 | 3358163 | 16851118.6 |        |
| 3358240 | ATF S.R.L.   | 31/01/2018 | 3358240 | 18154522.9 |        |
| 3358273 | MITSUBISHI ELECTRIC<br>CORPORATION   | 21/12/2016 | 3358273 | 16906499.5 |        |
| 3358817 | Kyocera Document Solutions Inc.  | 29/01/2018 | 3358817 | 18153895.0 |        |
| 3358824 | Fraunhofer-Gesellschaft zur Förderung<br>der angewandten Forschung e.V.  | 31/03/2017 | 3358824 | 17164241.6 | German |
| 3359304 | Saint-Gobain Glass France  | 29/09/2016 | 3359304 | 16775240.1 | German |
| 3359325 | ASSOCIATION POUR LA<br>RECHERCHE DEVELOPPEMENT<br>DES METHODES ET PROCESSUS<br>INDUSTRIELS - A.R.M.I.N.E.S.<br>DMA Laser<br>Compagnie Générale des<br>Etablissements Michelin<br>Ecole Nationale d'Ingénieurs de Saint-<br>Etienne | 06/10/2016 | 3359325 | 16788179.6 | French |
| 3359365 | KraussMaffei Technologies GmbH   | 05/10/2016 | 3359365 | 16779045.0 | German |
| 3359402 | Tofas Turk Otomobil Fabrikasi Anonim<br>Sirketi  | 07/10/2016 | 3359402 | 16810104.6 |        |
| 3359425 | Key Safety Systems, Inc.   | 07/10/2016 | 3359425 | 16781985.3 |        |
| 3359502 | S.A. Lhoist Recherche et<br>Développement  | 05/10/2016 | 3359502 | 16777990.9 | French |

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| 3359774 | Weatherford U.K. Limited   | 05/10/2016             | 3359774      | 16781164.5 |        |  |
| 3359833 | Schaeffler Technologies AG & Co. KG  | 05/09/2016             | 3359833      | 16770884.1 | German |  |
| 3359955 | Nederlandse Organisatie voor<br>toegepast- natuurwetenschappelijk<br>onderzoek TNO | 07/10/2016             | 3359955      | 16790745.0 |        |  |
| 3360147 | Siemens Aktiengesellschaft   | 11/11/2016             | 3360147      | 16795305.8 | German |  |
| 3360249 | Telefonaktiebolaget LM Ericsson<br>(PUBL)  | 05/10/2015             | 3360249      | 15781317.1 |        |  |
| 3360730 | IVECO FRANCE S.A.S.  | 09/02/2018             | 3360730      | 18156174.7 |        |  |
| 3360802 | Thales   | 06/02/2018             | 3360802      | 18155426.2 | French |  |
| 3361220 | Beckhoff Automation GmbH   | 08/02/2018             | 3361220      | 18155780.2 | German |  |
| 3361880 | Gold&Green Foods Oy  | 13/10/2016             | 3361880      | 16790282.4 |        |  |
| 3362008 | Bauerfeind AG  | 31/08/2017             | 3362008      | 17764782.3 | German |  |
| 3362675 | Enel Produzione S.p.A.   | 14/10/2016             | 3362675      | 16820323.0 |        |  |
| 3362706 | Safran Transmission Systems  | 13/10/2016             | 3362706      | 16794705.0 | French |  |
| 3362708 | AGCO International GmbH  | 27/09/2016             | 3362708      | 16770780.1 |        |  |
| 3362714 | Burckhardt Compression AG  | 12/10/2016             | 3362714      | 16791324.3 | German |  |
| 3362763 | LA DIFFUSION TECHNIQUE<br>FRANCAISE  | 07/10/2016             | 3362763      | 16794684.7 | French |  |
| 3362802 | ABB Schweiz AG   | 27/09/2016             | 3362802      | 16775168.4 |        |  |
| 3362844 | Essilor International  | 11/10/2016             | 3362844      | 16779119.3 |        |  |
| 3363324 | Holocher, Elias  | 01/02/2018             | 3363324      | 18020045.3 | German |  |
| 3363329 | Miller, John Edward<br>Miller, John Edward III                                     | 05/02/2018             | 3363329      | 18155065.8 |        |  |
| 3363682 | KARWALA Spolka z Ograniczona<br>Odpowiedzialnoscia Spolka<br>Komandytowa           | 20/02/2018             | 3363682      | 18157527.5 |        |  |
| 3364240 | LG Chem, Ltd.  | 11/10/2016             | 3364240      | 16855689.2 |        |  |
| 3364327 | Google LLC   | 26/09/2011             | 3364327      | 18166983.9 |        |  |
| 3364429 | Mitsubishi Electric Corporation  | 16/02/2017             | 3364429      | 17305175.6 |        |  |
| 3364452 | Microjet Technology Co., Ltd   | 07/02/2018             | 3364452      | 18155589.7 |        |  |
| 3364541 | HUAWEI TECHNOLOGIES CO.,<br>LTD.   | 24/12/2016             | 3364541      | 16894803.2 |        |  |
| 3364780 | Genialis   | 18/10/2016             | 3364780      | 16797590.3 | French |  |
| 3365145 | Les Laboratoires Osteal Medical  | 18/10/2016             | 3365145      | 16798241.2 | French |  |
| 3365225 | Safran Electronics & Defense   | 21/10/2016             | 3365225      | 16784513.0 | French |  |
| 3365304 | Saint-Gobain Centre De Recherches Et<br>D'etudes Europeen                          | 19/10/2016             | 3365304      | 16806214.9 | French |  |

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| 3365615 | Technische Universität Dresden  | 20/10/2016 | 3365615 | 16797721.4 | German |
| 3365617 | QTF Sweden AB   | 11/10/2016 | 3365617 | 16857879.7 |        |
| 3365674 | Commissariat à l'Energie Atomique et<br>aux Energies Alternatives                                   | 20/10/2016 | 3365674 | 16785127.8 | French |
| 3365969 | GE Energy Power Conversion<br>Technology Limited  | 18/11/2016 | 3365969 | 16823163.7 |        |
| 3366486 | Seiko Epson Corporation   | 09/02/2018 | 3366486 | 18155984.0 |        |
| 3366916 | Miyama, Inc.  | 30/01/2018 | 3366916 | 18154177.2 |        |
| 3367419 | Meyer Burger (Germany) AG   | 28/02/2017 | 3367419 | 17158448.5 | German |
| 3367765 | RENAULT s.a.s.  | 14/02/2018 | 3367765 | 18156620.9 | French |
| 3368194 | Casale SA   | 28/10/2016 | 3368194 | 16788521.9 |        |
| 3368230 | Hatebur Umformmaschinen AG  | 26/10/2016 | 3368230 | 16787843.8 | German |
| 3368346 | Compagnie Générale des<br>Etablissements Michelin   | 28/10/2016 | 3368346 | 16787905.5 | French |
| 3368379 | Audi AG   | 27/10/2016 | 3368379 | 16823154.6 | German |
| 3368607 | SABIC Global Technologies B.V.  | 19/10/2016 | 3368607 | 16794463.6 |        |
| 3368621 | AGC Glass Europe  | 27/10/2016 | 3368621 | 16787483.3 |        |
| 3369079 | Robert Bosch GmbH   | 07/10/2016 | 3369079 | 16781717.0 |        |
| 3369080 | Robert Bosch GmbH   | 07/10/2016 | 3369080 | 16785384.5 |        |
| 3369148 | Fundació Institut de Ciències<br>Fotòniques<br>Institució Catalana de Recerca I Estudis<br>Avançats | 28/09/2016 | 3369148 | 16781692.5 |        |
| 3369261 | Microsoft Technology Licensing, LLC   | 22/10/2016 | 3369261 | 16791220.3 |        |
| 3370781 | Ken Hygiene Systems A/S   | 04/11/2016 | 3370781 | 16791393.8 |        |
| 3370915 | S.I.P.A. Società Industrializzazione<br>Progettazione e Automazione S.p.A.                          | 07/11/2016 | 3370915 | 16805004.5 |        |
| 3370966 | OCE-Technologies B.V.   | 26/10/2016 | 3370966 | 16788497.2 |        |
| 3371453 | FMC Kongsberg Subsea AS   | 03/11/2016 | 3371453 | 16790994.4 |        |
| 3371498 | Technip France  | 03/11/2016 | 3371498 | 16791572.7 | French |
| 3371661 | ABB Schweiz AG  | 02/11/2015 | 3371661 | 15790516.7 |        |
| 3371882 | Vestas Wind Systems A/S   | 16/05/2017 | 3371882 | 17726107.0 |        |
| 3372018 | QUALCOMM Incorporated   | 04/11/2016 | 3372018 | 16808841.7 |        |
| 3372116 | King Slide Works Co., Ltd.<br>King Slide Technology Co., Ltd.                                       | 12/12/2017 | 3372116 | 17206641.7 |        |
| 3372453 | VOLKSWAGEN<br>AKTIENGESELLSCHAFT  | 12/02/2018 | 3372453 | 18156214.1 | German |
| 3372488 | Yamaha Hatsudoki Kabushiki Kaisha   | 05/02/2018 | 3372488 | 18155021.1 |        |

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| 3372886 | Aislamientos Suaval, S.A.                               | 02/11/2015             | 3372886      | 15797699.4 |        |
| 3372982 | TEC Project Services Corporation                        | 28/02/2018             | 3372982      | 18159044.9 |        |
| 3373032 | Guangdong OPPO Mobile<br>Telecommunications Corp., Ltd. | 13/12/2017             | 3373032      | 17207003.9 |        |
| 3373410 | DAIHEN Corporation                                      | 24/02/2018             | 3373410      | 18158494.7 |        |
| 3373597 | G.R.A.S. Sound & Vibration A/S                          | 07/03/2017             | 3373597      | 17159485.6 |        |
| 3374022 | Eurofeedback  | 07/11/2016             | 3374022      | 16794274.7 | French |
| 3374073 | IFP Energies nouvelles                                  | 14/10/2016             | 3374073      | 16785410.8 | French |
| 3374078 | Turkiye Petrol Rafinerileri Anonim<br>Sirketi Tupras    | 21/10/2016             | 3374078      | 16810105.3 |        |
| 3374194 | Exatec, LLC.  | 01/09/2016             | 3374194      | 16777820.8 |        |
| 3374603 | Ortmann, Peter<br>Graf, Werner                          | 10/11/2016             | 3374603      | 16805013.6 | German |
| 3374680 | Pietro Fiorentini S.p.A.                                | 09/11/2016             | 3374680      | 16819656.6 |        |
| 3374719 | Framatome GmbH  | 09/11/2015             | 3374719      | 15802000.8 |        |
| 3374922 | Symantec Corporation                                    | 27/09/2016             | 3374922      | 16779276.1 |        |
| 3374995 | Microsoft Technology Licensing, LLC                     | 03/11/2016             | 3374995      | 16795516.0 |        |
| 3375166 | Google LLC  | 01/03/2017             | 3375166      | 17711890.8 |        |
| 3375282 | FUJITSU LIMITED   | 31/01/2018             | 3375282      | 18154381.0 |        |
| 3375920 | Kabushiki Kaisha Toyota Jidoshokki                      | 27/10/2016             | 3375920      | 16864030.8 |        |
| 3376530 | ATOTECH Deutschland GmbH                                | 16/03/2017             | 3376530      | 17161434.0 |        |
| 3376932 | Electrolux Appliances Aktiebolag                        | 16/11/2015             | 3376932      | 15794925.6 |        |
| 3377379 | Volkswagen Aktiengesellschaft                           | 03/11/2016             | 3377379      | 16798099.4 | German |
| 3377469 | SABIC Global Technologies B.V.                          | 14/11/2016             | 3377469      | 16798826.0 |        |
| 3377536 | Fidia Farmaceutici S.p.A.                               | 15/11/2016             | 3377536      | 16810055.0 |        |
| 3377574 | SABIC Global Technologies B.V.                          | 15/11/2016             | 3377574      | 16795100.3 |        |
| 3377758 | Wobben Properties GmbH                                  | 16/11/2016             | 3377758      | 16797538.2 | German |
| 3377950 | ABB Schweiz AG  | 16/11/2015             | 3377950      | 15794917.3 |        |
| 3377969 | Microsoft Technology Licensing, LLC                     | 14/11/2016             | 3377969      | 16801932.1 |        |
| 3378033 | Qualcomm Incorporated                                   | 10/10/2016             | 3378033      | 16791144.5 |        |
| 3378260 | Qualcomm Incorporated                                   | 20/10/2016             | 3378260      | 16794788.6 |        |
| 3378694 | Vestel Elektronik Sanayi ve Ticaret<br>A.S.             | 23/03/2017             | 3378694      | 17162669.0 |        |
| 3378743 | Kettler Alu-Rad GmbH                                    | 13/03/2018             | 3378743      | 18161407.4 | German |
| 3379017 | BUBENDORFF SA   | 08/03/2018             | 3379017      | 18160774.8 | French |
| 3379118 | Erhard GmbH & Co. KG                                    | 28/02/2018             | 3379118      | 18159033.2 | German |
| 3379991 | Electrolux Appliances Aktiebolag                        | 25/11/2015             | 3379991      | 15800845.8 |        |
| 3380170 | Sanofi-Aventis Deutschland GmbH                         | 21/11/2016             | 3380170      | 16798724.7 |        |



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| 3380414 | Imper S.p.A.   | 16/12/2015 | 3380414 | 15841020.9 |        |
| 3380560 | INEOS Styrolution Group GmbH   | 25/11/2016 | 3380560 | 16801257.3 |        |
| 3380563 | SABIC Global Technologies B.V.   | 27/05/2017 | 3380563 | 17739314.7 |        |
| 3380627 | Evonik Degussa GmbH  | 01/11/2016 | 3380627 | 16790964.7 |        |
| 3380729 | Zimmer, Martin<br>Zimmer, Günther  | 25/11/2016 | 3380729 | 16818974.4 | German |
| 3380813 | Future Technology (Sensors) Ltd  | 21/11/2016 | 3380813 | 16816331.9 |        |
| 3380822 | Tunable AS   | 29/11/2016 | 3380822 | 16801821.6 |        |
| 3380847 | Blubrake S.r.l.  | 28/06/2016 | 3380847 | 16738872.7 |        |
| 3381133 | Telefonaktiebolaget LM Ericsson (publ)   | 23/11/2015 | 3381133 | 15798108.5 |        |
| 3381885 | LG Chem, Ltd.  | 11/01/2018 | 3381885 | 18722376.3 |        |
| 3382274 | CP IP Holdings Limited   | 11/08/2017 | 3382274 | 18166978.9 |        |
| 3382312 | ABB Schweiz AG   | 31/03/2017 | 3382312 | 17164210.1 |        |
| 3382341 | Honeywell International Inc.   | 21/03/2018 | 3382341 | 18163208.4 |        |
| 3382931 | Samsung Electronics Co., Ltd.  | 26/09/2014 | 3382931 | 18169003.3 |        |
| 3383951 | ExxonMobil Chemical Patents Inc.   | 16/09/2016 | 3383951 | 16871201.6 |        |
| 3384411 | Audi AG  | 17/11/2016 | 3384411 | 16804704.1 | German |
| 3384700 | Qualcomm Incorporated  | 28/11/2016 | 3384700 | 16810213.5 |        |
| 3384725 | Koninklijke KPN N.V.<br>Nederlandse Organisatie voor<br>toegepast- natuurwetenschappelijk<br>onderzoek TNO | 29/11/2016 | 3384725 | 16805055.7 |        |
| 3384727 | Lancey Energy Storage S.A.S.   | 28/11/2016 | 3384727 | 16806290.9 | French |
| 3385266 | Neuboron Medtech Ltd.  | 23/12/2016 | 3385266 | 16881106.5 |        |
| 3385661 | Faro Technologies, Inc.  | 29/03/2018 | 3385661 | 18164913.8 |        |
| 3385948 | Nippon Telegraph and Telephone<br>Corporation  | 13/01/2015 | 3385948 | 18173792.5 |        |
| 3385955 | Siemens Medical Solutions USA, Inc.  | 09/03/2018 | 3385955 | 18160877.9 |        |
| 3386627 | Turkiye Petrol Rafinerileri Anonim<br>Sirketi Tupras<br>KOC Universitesi                                   | 18/11/2016 | 3386627 | 16816443.2 |        |
| 3386762 | The Procter & Gamble Company   | 06/12/2016 | 3386762 | 16813320.5 |        |
| 3386798 | PSA AUTOMOBILES S.A.   | 28/11/2016 | 3386798 | 16815889.7 | French |
| 3386814 | WABCO GmbH   | 17/11/2016 | 3386814 | 16798406.1 | German |
| 3387000 | École Nationale Supérieure De Chimie   | 09/12/2016 | 3387000 | 16825461.3 | French |
| 3387336 | Beretta, Angelo  | 06/12/2016 | 3387336 | 16815566.1 |        |
| 3388391 | LG Chem, Ltd.  | 08/12/2016 | 3388391 | 16873353.3 |        |
| 3388658 | Rolls-Royce plc  | 12/03/2018 | 3388658 | 18161134.4 |        |

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| 3388913 | OMRON CORPORATION  | 22/03/2018             | 3388913      | 18163312.4 |        |
| 3389214 | Sun Patent Trust   | 02/02/2011             | 3389214      | 18175762.6 |        |
| 3389400 | New Gluten World S.r.l.  | 16/12/2016             | 3389400      | 16823236.1 |        |
| 3389436 | SEB S.A.   | 06/12/2016             | 3389436      | 16808993.6 | French |
| 3389437 | SEB S.A.   | 06/12/2016             | 3389437      | 16808994.4 | French |
| 3389738 | Heartware, Inc.  | 13/12/2016             | 3389738      | 16820122.6 |        |
| 3390180 | Robert Bosch GmbH  | 07/11/2016             | 3390180      | 16791405.0 | German |
| 3390311 | Saint-Gobain Glass France  | 16/12/2016             | 3390311      | 16826111.3 | French |
| 3391510 | Siemens Aktiengesellschaft   | 09/11/2016             | 3391510      | 16797800.6 | German |
| 3392130 | Drivetrain Tech Solution Inc.  | 14/11/2017             | 3392130      | 17201564.6 |        |
| 3392171 | Mespack, S.L.  | 21/04/2017             | 3392171      | 17382213.1 |        |
| 3393248 | ISAGRO S.p.A.  | 20/12/2016             | 3393248      | 16829121.9 |        |
| 3393543 | Cardiobridge GmbH  | 08/02/2018             | 3393543      | 18704228.8 | German |
| 3393691 | SMS Group GmbH   | 21/12/2016             | 3393691      | 16819910.7 | German |
| 3396217 | Zuiko Corporation  | 25/01/2017             | 3396217      | 17744255.5 |        |
| 3396833 | GN Hearing A/S   | 28/04/2017             | 3396833      | 17168588.6 |        |
| 3396935 | Deutsche Telekom AG  | 25/04/2017             | 3396935      | 17168060.6 |        |
| 3396939 | Axis AB  | 24/04/2017             | 3396939      | 17167747.9 |        |
| 3398850 | Samsung Electronics Co., Ltd.  | 02/05/2018             | 3398850      | 18170427.1 |        |
| 3399528 | Bruker BioSpin AG  | 03/05/2018             | 3399528      | 18170518.7 | German |
| 3399682 | Panasonic Corporation  | 26/08/2010             | 3399682      | 18179538.6 |        |
| 3400752 | Telefonaktiebolaget LM Ericsson<br>(publ.)   | 05/01/2017             | 3400752      | 17701184.8 |        |
| 3401148 | LG Electronics Inc.  | 31/01/2018             | 3401148      | 18154462.8 |        |
| 3401647 | Commissariat à l'Energie Atomique et<br>aux Energies Alternatives<br>STMicroelectronics (Crolles 2) SAS<br>STMICROELECTRONICS SA | 26/04/2018             | 3401647      | 18169645.1 | French |
| 3403507 | Unilever BCS Limited   | 19/05/2017             | 3403507      | 17171953.7 |        |
| 3403632 | Drylock Technologies NV  | 16/11/2017             | 3403632      | 17202006.7 |        |
| 3404447 | Siemens Healthcare GmbH  | 17/05/2017             | 3404447      | 17171522.0 | German |
| 3405354 | Aurotec GmbH   | 20/01/2017             | 3405354      | 17700694.7 | German |
| 3407849 | TSG Associates LLP   | 06/01/2017             | 3407849      | 17701177.2 |        |
| 3408168 | Swissmove AG   | 13/09/2016             | 3408168      | 16770710.8 |        |
| 3408887 | Powercell Sweden AB  | 22/12/2016             | 3408887      | 16829328.0 |        |
| 3410522 | Sumitomo Electric Industries, Ltd.   | 23/01/2017             | 3410522      | 17744134.2 |        |
| 3410858 | Ekim   | 02/02/2017             | 3410858      | 17706697.4 | French |
| 3411426 | Wacker Chemie AG   | 27/01/2017             | 3411426      | 17702817.2 | German |

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| 3412513 | Grupo Antolin-Ingenieria, S.A.         | 07/06/2017 | 3412513 | 17382343.6 |        |
| 3412816 | Julius Zorn GmbH                       | 12/04/2018 | 3412816 | 18167028.2 | German |
| 3413697 | Deutsche Telekom AG                    | 06/06/2017 | 3413697 | 17174569.8 |        |
| 3413868 | Sooft Italia S.p.A.                    | 08/11/2016 | 3413868 | 16809172.6 |        |
| 3414314 | Unilever PLC                           | 18/01/2017 | 3414314 | 17700558.4 |        |
| 3415461 | Baumann, Herwig                        | 25/03/2015 | 3415461 | 18020192.3 | German |
| 3417379 | QUALCOMM Incorporated                  | 12/01/2017 | 3417379 | 17702209.2 |        |
| 3418736 | Sonotec Ultraschallsensorik Halle GmbH | 08/06/2018 | 3418736 | 18176674.2 | German |
| 3419685 | Koninklijke Philips N.V.               | 09/02/2017 | 3419685 | 17703184.6 |        |
| 3420780 | Apple Inc.                             | 30/05/2017 | 3420780 | 17730612.3 |        |
| 3421077 | B. Braun Melsungen AG                  | 03/09/2010 | 3421077 | 18187506.3 |        |
| 3421375 | Airbus Operations S.A.S.               | 14/06/2018 | 3421375 | 18177682.4 | French |
| 3421771 | Airbus Operations S.A.S.               | 13/06/2018 | 3421771 | 18177591.7 | French |
| 3422315 | Koninklijke Philips N.V.               | 28/06/2017 | 3422315 | 17178530.6 |        |
| 3422421 | Eurotron B.V.                          | 03/12/2010 | 3422421 | 18186375.4 |        |
| 3423696 | Achates Power, Inc.                    | 22/02/2017 | 3423696 | 17709527.0 |        |
| 3424274 | Signify Holding B.V.                   | 22/02/2017 | 3424274 | 17705672.8 |        |
| 3425251 | Mez, Jörg-Peter                        | 03/07/2018 | 3425251 | 18181395.7 | German |
| 3427333 | Raytheon Company                       | 20/10/2016 | 3427333 | 16798303.0 |        |
| 3427563 | Amazonen-Werke H. Dreyer GmbH & Co. KG | 24/08/2017 | 3427563 | 18192875.5 | German |
| 3428381 | Pan, Yuejin                            | 22/01/2017 | 3428381 | 17812389.9 |        |
| 3430743 | Google LLC                             | 30/12/2016 | 3430743 | 16829214.2 |        |
| 3432023 | Sick AG                                | 28/06/2018 | 3432023 | 18180276.0 | German |
| 3432273 | Google LLC                             | 24/02/2010 | 3432273 | 18192328.5 |        |
| 3432916 | Allergan, Inc.                         | 13/09/2017 | 3432916 | 17777119.3 |        |
| 3434887 | C.R.F. Società Consortile per Azioni   | 25/07/2017 | 3434887 | 17183064.9 |        |
| 3434983 | Samson AG                              | 23/07/2018 | 3434983 | 18185000.9 | German |
| 3436054 | Allergan, Inc.                         | 13/09/2017 | 3436054 | 17784058.4 |        |
| 3438010 | Grifols Worldwide Operations Limited   | 31/07/2017 | 3438010 | 17382526.6 |        |
| 3440122 | Covestro Deutschland AG                | 22/06/2018 | 3440122 | 18732093.2 | German |
| 3440647 | E.L. Easy Life UK Limited              | 26/05/2017 | 3440647 | 17739311.3 |        |
| 3440852 | Apple Inc.                             | 24/05/2017 | 3440852 | 17729277.8 |        |
| 3443598 | Lumileds Holding B.V.                  | 05/04/2017 | 3443598 | 17715491.1 |        |
| 3443648 | Signify Holding B.V.                   | 11/04/2017 | 3443648 | 17715762.5 |        |
| 3443716 | Telefonaktiebolaget LM Ericsson (PUBL) | 06/04/2017 | 3443716 | 17719362.0 |        |

| 6678    | (No. 2393)                                | Patents Office Journal | (04/09/2019) |            |        |
|---------|---|------------------------|--------------|------------|--------|
| 3443807 | Telefonaktiebolaget LM Ericsson<br>(PUBL) | 05/04/2017             | 3443807      | 17720223.1 |        |
| 3444252 | NantEnergy, Inc.                          | 18/06/2012             | 3444252      | 18197487.4 |        |
| 3446551 | Signify Holding B.V.                      | 12/04/2017             | 3446551      | 17716265.8 |        |
| 3446923 | Thule NV                                  | 22/08/2017             | 3446923      | 17187256.7 |        |
| 3447541 | Honeywell International Inc.              | 19/09/2017             | 3447541      | 18192901.9 |        |
| 3452296 | Memjet Technology Limited                 | 04/04/2017             | 3452296      | 17715460.6 |        |
| 3455999 | Nchain Holdings Limited                   | 02/03/2018             | 3455999      | 18721130.5 |        |
| 3456088 | Telefonaktiebolaget LM Ericsson<br>(PUBL) | 12/05/2017             | 3456088      | 17727743.1 |        |
| 3456936 | NGK Spark Plug Co., Ltd.                  | 18/09/2018             | 3456936      | 18195084.1 |        |
| 3457307 | YUBICO AB                                 | 23/04/2007             | 3457307      | 18198805.6 |        |
| 3459267 | Bose Corporation                          | 31/05/2017             | 3459267      | 17730617.2 |        |
| 3459819 | Ford Global Technologies, LLC             | 03/07/2018             | 3459819      | 18181489.8 |        |
| 3460821 | GIRA Giersiepen GmbH & Co. KG             | 22/09/2017             | 3460821      | 17192750.2 | German |
| 3462914 | Unilever PLC                              | 16/05/2017             | 3462914      | 17725916.5 |        |
| 3463676 | Unilever PLC                              | 18/04/2017             | 3463676      | 17719220.0 |        |
| 3471820 | SYNERGIA MEDICAL                          | 31/08/2017             | 3471820      | 17758875.3 |        |
| 3474495 | InCoax Networks AB                        | 20/10/2017             | 3474495      | 17197498.3 |        |
| 3475365 | Wacker Chemie AG                          | 28/06/2016             | 3475365      | 16734606.3 | German |

## Applications Lapsed Through Non-Payment of Renewal Fees Section (35) 1

|                  |   |
|------------------|---|
| <b>S20170001</b> | A web service for the secure and untraceable exchange of files. FINBAR GIUSTI |
| <b>S20170027</b> | An apparatus to simplify the changing of wheels. GRÁINNE BARRETT              |
| <b>S20170029</b> | Profiled galvanized steel fence post. JOHN DALY                               |

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# Patents Office Journal

Irisleabhar Oifig Na bPaitinní

**Cuid II**

**Trádmharcanna**

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**No. 2393**

**Wednesday, 4 September, 2019**

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

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

## **Official Notice**

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

Trade Mark No. 254154

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, Patents Office, Government Buildings, Hebron Road, Kilkenny, 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.



### Celtic Wind Crops

**261415** 04 March 2019

- Class 1. Proteins for use in the manufacture of food supplements.
- Class 5. Dietary supplements; Mineral supplements; Vitamin supplements; Food supplements; Nutritional supplements; Dietary food supplements; Mineral food supplements; Liquid vitamin supplements; Liquid dietary supplements; Dietary and nutritional supplements; Dietary supplements for humans; Vitamin and mineral food supplements; Dietary supplements for human beings; Food supplements in liquid form; Dietary supplements and dietetic preparations containing CBD oil; Mineral nutritional supplements; Vitamin and mineral supplements; Mineral

dietary supplements for humans; Dietary supplements consisting of vitamins; Food supplements consisting of amino acids; Liquid herbal supplements; Herbal supplements; Dietary supplements for humans not for medical purposes; Health food supplements for persons with special dietary requirements.

- Class 44. Providing information relating to dietary and nutritional supplements.

Michelle Noone, 85 Aughamore, Clane, Kildare W9 1Y8R6, Ireland. Address for service is c/o Michelle Noone, 85 Aughamore, Clane, Kildare W9 1Y8R6, Ireland.

The mark in use is/will be in the colour(s) green, brown, tan, yellow, white and black.

## OLIVE BROOK

**261416** 14 June 2019

Class 33. Alcoholic beverages (except beers).

The Spar Group Limited, 22 Chancery Lane, Pinetown, Kwazulu-Natal Province, South Africa. Address for service is c/o Tomkins & Co, 5 Dartmouth Road, Dublin 6, Ireland.

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## Sonorant

**261417** 23 March 2019

Class 5. Pharmaceutical preparations; Pharmaceutical preparations for the treatment of neurological diseases and disorders, nephrotic diseases, endocrine disorders, rheumatic disorders, collagen diseases, dermatologic diseases and disorders, allergic states, ophthalmic diseases, respiratory diseases, hematologic disorders, neoplastic diseases, edematous state, gastrointestinal diseases, hepatic diseases and disorders, biliary diseases and disorders, renal disorders, cardiovascular and lipid-related diseases and disorders, inflammatory and autoimmune diseases and disorders; intravenous analgesics and antipyretics; medical gases for inhalation; bioengineered tissues for surgical implantation.

Class 10. Medical devices; Medical apparatus; Medical apparatus and instruments for use in

connection with the administration of gases to patients for medical and therapeutic purposes and accessories and parts thereof, namely, medical and therapeutic gas delivery systems comprised primarily of gas cylinders, valves, regulators, flow meters, delivery hoses and apparatus and instruments for setting, measuring and regulating the mixture of medical and therapeutic gases delivered to patients; Therapeutic medical device and accessories and parts thereof for extracting blood from the body, separating blood, treating it extracorporeally, and returning it to the body used for extracorporeal photopheresis, extracorporeal photo immune therapy, extracorporeal photo chemotherapy, and cellular therapies; devices incorporating prefilled syringes containing injectable pharmaceuticals for manual injection.

Class 40. Custom manufacturing services for pharmaceuticals and active pharmaceutical ingredients.

Class 41. Training, service and educational support in the fields of pharmaceuticals and medical devices.

Class 42. Scientific research services for medical purposes.

Mallinckrodt Pharmaceuticals Ireland Limited, College Business & Technology Park, Cruiserath Road, Blanchardstown, Dublin 15 D15 TX2V, Ireland. Address for service is c/o FRKelly, 27 Clyde Road, Ballsbridge, Dublin 4, Ireland.

## Melon

**261418** 21 May 2013

- Class 9. Protective helmets for use in sports; cycle helmets; skating helmets; snowboarding helmets; kayaker's helmets; helmets for rock climbers; helmets for motor scooters; riding helmets; paintball helmets; riding helmets; aviation helmets; climbing helmets; protective helmets for workers
- Class 25. Belts (clothing); gloves; bermudas; surfing shorts; swimming trunks; bikinis; swimsuits; bathing trunks; baseball-caps; swim hats; caps [headwear]; knit hats; cyclists' sports jerseys; muffs; head sweatbands; sweatbands for the wrist; sports jerseys; polos; tee-shirts; cargo shorts; boxer briefs; sports socks; jogging pants; sweaters; slipovers; windbreakers; fleece pullovers; pullovers

MELON WORLD GMBH, Rellinghauser Straße 334 h, D-45136 Essen, Germany. Address for service is c/o TOMKINS & CO., 5 Dartmouth Road, Dublin 6, Ireland.



**261419** 29 November 2018

- Class 30. Cocoa; cocoa and chocolate based beverages and preparations for making such

beverages; chocolate, confectionery, in particular chocolate confectionery; sugar confectionery; biscuits, wafers, cakes, pastries; bakery goods; ready to bake dough products; preparations made from cereals; edible ices, namely ice cream products; frozen confectionery; chocolate desserts; ice cream desserts; prepared desserts (confectionery); chilled confectionery; chilled desserts namely chocolate desserts, ice cream desserts, prepared desserts (confectionery); chocolate spreads.

CADBURY UK LIMITED, P.O. Box 12, Bournville Lane, Bournville, Birmingham B30 2LU, United Kingdom. Address for service is c/o MACLACHLAN & DONALDSON, Unit 10, 4075 Kingswood Road, Citywest Business Campus, Dublin 24 D24 C56E, Ireland.



**261420** 21 March 2019

- Class 30. Cocoa; cocoa and chocolate based beverages and preparations for making such beverages; chocolate; confectionery; chocolate confectionery; sugar confectionery; biscuits, wafers, cakes, pastries; bakery goods; ready to bake dough products; preparations made from cereals; edible ices; ice cream; ice cream confectionery; frozen



confectionery; chocolate desserts; ice cream desserts; prepared desserts (confectionery); chilled confectionery; chilled desserts namely chocolate desserts, ice cream desserts, prepared desserts (confectionery); chocolate spreads.

CADBURY UK LIMITED, P.O. Box 12, Bournville Lane, Bournville, Birmingham B30 2LU, United Kingdom. Address for service is c/o MACLACHLAN & DONALDSON, Unit 10, 4075 Kingswood Road, Citywest Business Campus, Dublin 24 D24 C56E, Ireland.

The mark in use is/will be in the colour(s) Purple, brown, white and gold

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## BE TREATWISE

**261421** 29 November 2018

Class 30. Cocoa; cocoa and chocolate based beverages and preparations for making such beverages; chocolate, confectionery, in particular chocolate confectionery; sugar confectionery; biscuits, wafers, cakes, pastries, bakery goods; ready to bake dough products; preparations made from cereals; edible ices, namely ice cream products, frozen confectionery; chocolate desserts; ice cream desserts; prepared desserts (confectionery); chilled confectionery; chilled desserts namely chocolate desserts, ice cream desserts, prepared desserts (confectionery); chocolate spreads.

CADBURY UK LIMITED, P.O. Box 12, Bournville Lane, Bournville, Birmingham B30 2LU, United Kingdom. Address for service is c/o MACLACHLAN & DONALDSON, Unit 10, 4075 Kingswood Road, Citywest Business Campus, Dublin 24 D24 C56E, Ireland.

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**261422** 29 November 2018

Class 30. Cocoa; cocoa and chocolate based beverages and preparations for making such beverages; chocolate, confectionery, in particular chocolate confectionery; sugar confectionery; biscuits, wafers, cakes, pastries, bakery goods; ready to bake dough products; preparations made from cereals; edible ices, namely ice cream products, frozen confectionery; chocolate desserts; ice cream desserts; prepared desserts (confectionery); chilled confectionery; chilled desserts namely chocolate desserts, ice cream desserts, prepared desserts (confectionery); chocolate spreads.

CADBURY UK LIMITED, P.O. Box 12, Bournville Lane, Bournville, Birmingham B30 2LU, United Kingdom. Address for service is c/o MACLACHLAN & DONALDSON, Unit 10, 4075 Kingswood Road, Citywest Business Campus, Dublin 24 D24 C56E, Ireland.

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**261423** 29 November 2018

Class 30. Cocoa; cocoa and chocolate-based beverages and preparations for making such beverages; chocolate, confectionery, in particular chocolate confectionery; sugar confectionery; biscuits, wafers, cakes, pastries, bakery goods; ready to bake dough products; preparations made from cereals; edible ices, namely ice cream products; frozen confectionery; chocolate desserts; ice cream desserts; prepared desserts (confectionery); chilled confectionery; chilled desserts namely chocolate desserts, ice cream desserts, prepared desserts (confectionery); chocolate spreads.

CADBURY UK LIMITED, P.O. Box 12, Bournville Lane, Bournville, Birmingham B30 2LU, United Kingdom. Address for service is c/o MACLACHLAN & DONALDSON, Unit 10, 4075 Kingswood Road, Citywest Business Campus, Dublin 24 D24 C56E, Ireland.

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## GREEN & BLACK'S

**261424** 30 November 2018

Class 30. Cocoa; cocoa and chocolate based beverages and preparations for making such beverages; chocolate, confectionery, in particular chocolate confectionery; sugar

confectionery; biscuits, wafers, cakes, pastries, bakery goods; ready to bake dough products; preparations made from cereals; edible ices, namely ice cream products, frozen confectionery; chocolate desserts; ice cream desserts; prepared desserts (confectionery); chilled confectionery; chilled desserts namely chocolate desserts, ice cream desserts, prepared desserts (confectionery); chocolate spreads.

CADBURY UK LIMITED, P.O. Box 12, Bournville Lane, Bournville, Birmingham B30 2LU, United Kingdom. Address for service is c/o MACLACHLAN & DONALDSON, Unit 10, 4075 Kingswood Road, Citywest Business Campus, Dublin 24 D24 C56E, Ireland.

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## DOUBLE DECKER

**261425** 04 March 2019

Class 30. Chocolate, chocolates, candy, confectionery; biscuits, wafers, cakes, pastries; chocolate spreads; ice cream, chilled and frozen confectionery; chilled desserts namely chocolate desserts, ice cream desserts, prepared desserts (confectionery).

CADBURY UK LIMITED, P.O. Box 12, Bournville Lane, Bournville, Birmingham B30 2LU, United Kingdom. Address for service is c/o MACLACHLAN & DONALDSON, Unit 10, 4075 Kingswood Road, Citywest Business Campus, Dublin 24 D24 C56E, Ireland.

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## FINNING

**261426** 20 July 2018

- Class 7. Agricultural machines; excavators, bulldozers, loaders, diggers; construction and engineering machines and equipment; engines, power generation units; parts and fittings for all the aforesaid goods.
- Class 9. Digital vehicle recording apparatus; black boxes[data recorders]; indication panel; engine diagnostic apparatus.
- Class 12. Vehicles; land vehicles; lift trucks; agricultural and earth-moving vehicles; engines; marine engines; parts and fittings for the aforesaid goods.
- Class 35. The bringing together, for the benefit of others, of a variety of goods, enabling customers to conveniently view and purchase those goods in a wholesale and/or retail outlet, or through a catalogue, or via a website, all connected with agricultural machine, excavators, bulldozers, loaders, diggers, construction and engineering machinery and equipment, engines, hoses, power generation units, instrumentation systems, vehicles, land vehicles, lift trucks, agricultural and earth-moving vehicles, and parts and fittings for all the aforesaid goods; business analysis services; arranging of contracts for the purchase, sale, hiring and/or leasing of goods and services, for others.
- Class 36. Hire purchase financing; hire purchase financing services in relation to machinery, construction and/or excavation equipment; insurance; insurance services for heavy machinery,

construction and/or excavation equipment; accident insurance; insurance services for the construction industry; warranty insurance services; warranty services; warranty services for the construction industry; warranty services for machinery, construction and/or excavation equipment.

- Class 37. Installation, maintenance, repair, inspection, reconditioning, servicing, restoration, of vehicles, land vehicles, agricultural, earth-moving, construction and engineering machinery and equipment, excavators, bulldozers, loaders, diggers, engines, hoses, lift trucks, power generation units, instrumentation systems; and parts and fittings for all the aforesaid goods; rental and leasing of earth-moving, construction and engineering machinery and equipment, excavators, bulldozers, loaders, diggers, engines, hoses, power generation units; professional advice and consultancy relating to the above services; welding services; provision of information relating to construction; laying out and supervising, and installation of engines, shelving and storage facilities; professional consultancy relating to construction; engine lubrication.
- Class 39. Rental and leasing of vehicles, land vehicles and lift trucks; provision of information relating to transport; professional consultancy relating to the aforesaid.
- Class 41. Education and training all relating to power, transmission, engines, transport, engineering, agriculture and to construction.
- Class 42. Professional consultancy relating to engineering;

surveying; oil sampling (testing and analysis); designing of engines, shelving and storage facilities; fluid analysis; fluid analysis results provided online; engineering design; technical engineering; provision of information relating to engineering; machine and equipment condition monitoring; technical data analysis; technical support services; technological and industrial engineering analysis; engineering services for the analysis of machinery; analysis services and condition monitoring relating to fluids.

- Class 44. Rental and leasing of agricultural and farming machinery and equipment; provision of information relating to agriculture; professional consultancy relating to agriculture.

Finning (UK) Limited, Watling Street, Cannock, Staffordshire WS11 3LL, United Kingdom. Address for service is c/o TOMKINS & CO., 5 Dartmouth Road, Dublin 6, Ireland.

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## Aquaclara

261427 21 May 2019

- Class 9. Weighing scales.  
 Class 11. Baths; bath fittings; sinks; toilet bowls; taps; showers; shower cubicles; shower screens; shower bath installations; shower tubes, being part of shower bath installations, shower heads, tap washers, tap connections; heated towel rails; Shower Head.

Class 20. Cabinets; mirrors; shelves; storage racks; wash stands; curtain frames, curtain rods, curtain rings, curtain hooks, curtain rails; wall brackets and connectors, being parts or fittings for use with curtain frames; headrests in the nature of cushions and pillows for use in baths; sink and draining board mats, plugs for sinks, baths or basins and chains for use therewith.

Class 21. Toilet brushes; rubbers suction cups being cleaning instruments in the nature of plungers; holders for soap, sponges, towels, brushes, brooms, toothbrushes, toilet paper, kitchen rolls, soiled linen and toilet articles; holders for toilet rolls; bath-racks; toothbrush and beaker sets; soap dishes; towel rails and towel rings; safety bath treads; hooks, lever hooks, suction hooks, 'self-adhesive hooks, scrapers; caps and covers for domestic and food containers; door wedges, window wedges, ironing board covers, squeegees (not being machines); spray nozzles for hoses, roses for watering cans, rubber gloves for domestic and household use.

Class 24. Blinds, coasters, curtains, curtain holders, table cloths, table mats, toilet seat covers and loose covers for furniture, all made of protectable materials; shower curtains; table covers; gloves and mitts, all for toilet use; towels (textile); bath linen; curtains of textile or plastic.

Class 27. Carpets, rugs, mats and matting, linoleums and other materials for covering floors; bath mats; shower mats; antislip mats for baths or showers.

McLoughlinsRS, Unit 5 Northern Cross Business Park, Finglas, Dublin 11, Ireland. Address for service is c/o McLoughlinsRS, Unit 5 Northern Cross Business Park, Finglas, Dublin 11, Ireland.

The mark in use is/will be in the colour(s) Blue and White

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**HYUNDAI**

**HYUNDAI**

Application is for a Series of 2 Trade Marks.

**261428** 27 December 2018

- Class 7. Electric metal cutting machines; electrical equipment arc cutting; electrical metal cutting machines (by arc, gas or plasma); welding equipment arc; welding machines.
- Class 8. Electric irons.
- Class 9. 3d tv; acoustic [sound] alarms; alarming apparatus; alarms; alkaline batteries; anti-theft warning apparatus; audio and video receivers; audio speakers; audiovisual receivers; batteries for automobile; batteries for ups/inverter; battery charge devices; battery chargers; button cell (electric batteries); cable reels for home and garden use; cameras for cctvs; cameras for vehicles; car navigations; car televisions; car video recorders; cases for mobile phones; cd players; cinematographic machines and apparatus; communications apparatus for

aircrafts; communications apparatus for vehicles; computer game software; computer software for unmanned aircrafts; contact lens; devices for hands-free use of mobile phones; devices for wireless radio transmission; digital cameras; digital doorlock; digital information display (did); digital pens for computer; digital signage; digital voice recorders; direction finders; dry cells; dry cells (batteries); dvd players; earphones; electric accumulators; electric accumulators for vehicles; electric arc cutting apparatus; electric batteries; electric cables and cable reel for home and garden use; electric lighting notice boards; electric locks; electric welding mask; electrical and electronic burglar alarms; electronic agendas; electronic blackboard; electronic digital signboard; electronic display; electronic indicator panels; electronic notice boards; electronic pens; electronic photocopiers; electronic picture frame; electronic pocket translators; fire alarms; global positioning systems [gps] apparatus; GPS (Global Positioning System) apparatus; hand scanner; head cleaning tapes {recording}; headphones; high tension batteries; high-pass terminals; home theatre system; intercoms; interphones; inverters [electricity]; karaoke machines; keyboards for mobile phones; laser level measuring apparatus; laser range finders; lcd tv; lithium batteries; measuring apparatus; meteorological machines and apparatus; microphones; mobile telephone batteries; mobile telephones; modems; mounting devices for cameras and monitors; mp3 players;

mp4 players; television apparatus for projection purposes; ni cd rechargeable batteries; ni mh rechargeable batteries; nickel-cadmium storage batteries; oled tv; personal digital assistants (pdas); personal stereos; phablet; photographic apparatus and instruments; phototelegraphy apparatus; photovoltaic cells; portable communications apparatus; portable media players; portable rechargers; portable telephones; power bank; projectors; protective masks for welding; radar installations; radios; radiotelephony sets; readers (data processing equipment); rearview cameras for vehicles; receivers and transmitters of signals; receivers for satellites; record players; remote control apparatus; remote control apparatus for cameras; remotely-controlled cameras; sensor lights; set-top boxes; smart cards; smart chargers; smart glasses; smart pad; smart phones; smart tv; smoke sensors; electric sockets; solar batteries; sound recording apparatus and instruments; spectacles [optics]; starter and ballast for lamp; starter for lighting apparatus; electric current switches; tablet computers; telephone sets; telescopes; television monitors; television receivers; television receivers [tv sets]; television transmitters; televisions; terminal for electronic books; terminal for electronic newspaper; terminal for electronic publications; terminal for electronic study books or papers; terminals for radiotelephones; touch pads; transmitters of electronic signals; tv remote controls; uhd tv; UPS (uninterrupted power supply) apparatus; vehicle radios; video cameras

[camcorders]; video game cards; video recorders; video recording apparatus for vehicles; video telephones; wall mounting adapted for television monitors; vrla batteries; walkie-talkies; wearable unmanned aerial cameras; welding helmets; welding masks; wet cells batteries; rubber covered electric wires; wireless access point (wap) devices; wireless speakers; x-ray apparatus not for medical purposes; zinc carbon battery; zinc chloride batteries; Biometric security apparatus; Biometric readers; Biometric identification apparatus; Biometric device for access control; Biometric identification device for time and attendance management; Face identification device for time and attendance management; Vein identification device for time and attendance management; Fingerprint identification device for time and attendance management; Biometric scanners; Biometric retinal scanners; Biometric information reader; Biometric fingerprint scanners; Biometric hand scanners; Digital Video Recorder; Network Video Recorder; Personal weighting scale; Protective shoes; Protective eyeglasses; Protective ear plugs; Dust protective goggles and masks; Protective face-shields for protective helmets; Protective clothing; Welding helmets; Stand and Holder for Mobile accessory; Protective film for Mobile accessory; Charger for Mobile phone; Smart phone cables; LED TV; Access control cards [encoded or magnetic]; Iris scanner for access control; Fingerprint sensors for access control; Vein recognition device for access control; Wire/wireless doorlock apparatus for access

control; Face recognition device for access control; Iris scanner for access control and time and attendance management; Access control systems (Electric -); Access control installations (Automatic -); Access control systems (Automatic -); Remote control apparatus for human access control.

Class 26. Electric hair curlers.

HYUNDAI CORPORATION HOLDINGS Co., Ltd.,  
25, Yulgok-ro 2-gil, Jongno-gu, Seoul, Republic of  
Korea. 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 No's. 003833761, 003833126,  
012312229, 015999535, 017004011 and International  
Registration No. 1050708



**261429** 26 February 2018

Class 25. Clothing, footwear, headgear; clothing, namely, shirts, t-shirts, long-sleeved shirts, under shirts, polo shirts, rugby shirts, jerseys, dress shirts, denim jeans, hooded sweat shirts, warm-up suits, snow suits, parkas, cardigans, pants, jean jackets, cargo pants, shorts, boxer shorts, tops, tank tops, sweat shirts, seat jackets, sweat shorts, sweat pants, sweaters, vests, fleece vests, pullovers, jackets, coats, blazers, suits, turtlenecks, reversible jackets, wind-resistance jackets, shell jackets, sports jackets, golf

and ski jackets, heavy coats, over coats, top coats, swimwear, beachwear, visors, headbands, ear muffs, thermal underwear, long underwear, underclothes, caps, hats, knit caps, headwear, scarves, bandanas, belts, neckwear, ties, robes, gloves, boots, rainwear, footwear, shoes and sneakers; women's children's and infant's wear, namely shirts, t-shirts, long-sleeved shirts, under shirts, jerseys, dress shirts, denim jeans, hooded sweat shirts, wraps, warm-up suits, parkas, cardigans, pants, jean jackets, shorts, tops, tank tops, sweat shirts, sweat jackets, sweat shorts, seat pants, sweaters, vests, pullovers, jackets, coats, reversible jackets, wind-resistant jackets, shell jackets, sports jackets, golf and ski jackets, heavy coats, over coats, top coats, swimwear, beachwear, visors, headbands, ear muffs, thermal underwear, long underwear, underclothes, caps, hats, headwear, scarves, bandanas, belts, pajamas, sleepwear, gloves, boots, rainwear, footwear, shoes and sneakers; dresses; skirts; blouses; robes; children's and infant's polo shirts; children's and infant's rugby shirts; children's and infant's snow suits; children's and infant's cargo pants; infant body suits

CHAPTER 4 CORP. DBA SUPREME, 121 Wooster Street, New York, NY 10012, United States of America. Address for service is c/o LEO MOORE, c/o William Fry, 2 Grand Canal Square, Dublin 2 D02 A342, Ireland.

The application for Registration is proceeding with the consent of the proprietor of Registered EUTM No. 012691911 and Irish Registered Trade Mark No. 146339.

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



**SILENT**  
RUNNING



**SILENT**  
RUNNING

Application is for a Series of 2 Trade Marks.

**261430** 08 May 2019

- Class 7. Pumps; pumps for showers; bath/shower booster pumps; parts and fittings for all the aforesaid goods.
- Class 9. Control plates, panels, switches and devices for the local and remote operation of domestic showers, including wireless control devices for remote operation of electric showers; software, apps (software applications) and downloadable electronic publications relating to showers, shower installation, usage, maintenance and fault diagnosis; parts and fittings for all the aforesaid goods.
- Class 11. Installations and apparatus, all for water supply and sanitary purposes; showers; showers

for sale in kit form; electric showers; shower towers; shower units; pumped showers; power showers; pumped electric showers; mixer showers; thermostatic mixer showers; shower heads and roses; shower bath apparatus; shower cabinets; mixer valves; water heater apparatus; instantaneous water heaters for shower installations; flexible shower pipes; ablutionary devices, namely, devices for washing; water conduit installations; heaters and hot air dryers for sanitary use; body dryers for bath/shower use; water distribution installations; water supply installations; water pipes for sanitary installations; taps; mixer taps; pipes (parts of sanitary installations); hot/cold water mixing valves; water heaters for showers; mixer valves for domestic and commercial ablutionary use; sanitary apparatus and installations; heating installations (water); bath fittings; bath installations; remote power packs in the form of water heaters for heating water remote from an associated shower outlet; bath plumbing fixtures; parts, fittings and accessories for all the aforesaid goods, namely shower head support rails, riser rails, shower attachment kits, shower hoses, shower head attachment fittings, sliding shower head clamps and grips and shower wall brackets.

Priority Date Claimed: 29 April 2019 United Kingdom

Norcros Group (Holdings) Limited, Ladyfield House, Station Road, Wilmslow, Cheshire SK9 1BU, United Kingdom. Address for service is c/o Anne Ryan & Co, 2 Crofton Terrace, Dun Laoghaire, Co. Dublin, A96 V6P7, Ireland.



**KATANA****261431** 23 February 2017

Class 9. Batteries; electric accumulators; batteries, electric, for vehicles

GS YUASA INTERNATIONAL LTD., 1, Inobabacho, Nishinosho, Kisshoin, Minami-ku Kyoto-shi, Kyoto 601-8520, Japan. Address for service is c/o FRKelly, 27 Clyde Road, Ballsbridge, Dublin 4, Ireland.

The application for Registration is proceeding with the consent of the proprietor of European Union Trade Mark No. 009966839.

**Colour it with flavour.****COLOUR IT WITH FLAVOUR.**

Application is for a Series of 2 Trade Marks.

**261432** 07 June 2019

Class 43. Restaurant services, namely providing of food and beverages for consumption on and off the premises; restaurant services for the provision of sandwiches; catering services; eat-in and take-out food restaurant services.

Subway IP LLC, 8400 NW 36th Street, Ste. 530, Doral, FL 33166, United States of America. Address for service is c/o FRKelly, 27 Clyde Road, Ballsbridge, Dublin 4, Ireland.

**Choose your canvas.****CHOOSE YOUR CANVAS.**

Application is for a Series of 2 Trade Marks.

**261433** 07 June 2019

Class 43. Restaurant services, namely providing of food and beverages for consumption on and off the premises; restaurant services for the provision of sandwiches; catering services; eat-in and take-out food restaurant services.

Subway IP LLC, 8400 NW 36th Street, Ste. 530, Doral, FL 33166, United States of America. Address for service is c/o FRKelly, 27 Clyde Road, Ballsbridge, Dublin 4, Ireland.

**Our Ingredients. Your Masterpiece.****OUR INGREDIENTS. YOUR MASTERPIECE.**

Application is for a Series of 2 Trade Marks.

**261434** 07 June 2019

Class 43. Restaurant services, namely providing of food and beverages for consumption on and off the premises; restaurant services for the provision of sandwiches; catering services; eat-in and take-out food restaurant services.

Subway IP LLC, 8400 NW 36th Street, Ste. 530, Doral, FL 33166, United States of America. Address for service is c/o FRKelly, 27 Clyde Road, Ballsbridge, Dublin 4, Ireland.

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## BNY MELLON INTERMEDIARY ANALYTICS

Application is for a Series of 2 Trade Marks.

**261435** 26 July 2018

- Class 35. Business data collection and analysis; business data analysis services in the field of finance; collection and analysis of data for business purposes; compiling and distilling real-time and other data into a form for use in analysis for business purposes.
- Class 36. Providing an on-line searchable database featuring information about financial assets to financial organizations; financial services, namely, the integration, aggregation, and analysis of financial data, financial assets, financial research and financial transactions by electronic means.
- Class 42. Providing an online, non-downloadable information delivery, management and reporting software platform via a global computer network to enable access, integration, aggregation and analysis of financial data, monitoring of financial markets, and compliance management.

Priority Date Claimed: 29 January 2018 United States of America

The Bank of New York Mellon, 240 Greenwich Street, New York 10286, United States of America. Address for service is c/o Haseltine Lake Kempner LLP, Redcliff Quay, 120 Redcliff Street, Bristol BS1 6HU, United Kingdom.

The application for Registration is proceeding with the consent of the proprietors of Registered European Union Trade Mark Nos 009524414 and 012078663.

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## NURITAS

**261436** 13 June 2019

- Class 5. Food supplements; nutritional supplements; dietetic food and beverages; all the aforesaid goods being for human use.

Nuritas Limited, Joshua Dawson House, 19B Dawson Street, Dublin 2, Ireland. Address for service is c/o FRKelly, 27 Clyde Road, Ballsbridge, Dublin 4, Ireland.

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## Moo Music

**261437** 13 June 2019

- Class 41. Musical education services; Education services relating to music; Education and training in the field of music and entertainment; Providing facilities for movies, shows,

plays, music or educational training; Music instruction; Musical entertainment; Tuition in music; Teaching of music; Instruction in music; Music entertainment services; Music group services; Musical entertainment services; Tuition in music appreciation.

Anthony Parker, Seahaven, Long Lane, Appledore, Devon EX391NF, United Kingdom. Address for service is c/o Anthony Parker, Seahaven, Long Lane, Appledore, Devon EX391NF, United Kingdom.



**261438** 03 June 2019

Class 39. Pizza delivery; Delivery of food; Food delivery services.  
Class 43. Takeaway services; Takeaway food services; Takeaway food and drink services.

9 Capital Intro Limited, 4 Saint Laurence Street, Drogheda, Co. Louth A92 HXW2, Ireland. Address for service is c/o 9 Capital Intro Limited, 4 Saint Laurence Street, Drogheda, Co. Louth A92 HXW2, Ireland.

The mark in use is/will be in the colour(s) WHITE & RED

## SMOOTHGRIP

**261439** 11 June 2019

Class 10. Sutures; suture anchors.

Smith & Nephew Orthopaedics AG, Oberneuhofstrasse 10d, 6340 Baar, Switzerland. Address for service is c/o Darren Donné, Smith & Nephew Patent and Trade Marks Department, 101 Hessle Road, Hull HU32BN, United Kingdom.

## Shamrock Claddagh

**261440** 11 June 2019

Class 14. Jewellery.  
Class 42. Design of jewellery.

Robert Blacoe, Rockhill, Salthill, Galway, Ireland. Address for service is c/o Robert Blacoe, Rockhill, Salthill, Galway, Ireland.

## BUFFALO CREEK

**261441** 02 April 2015

Class 33. Wine, beverages containing wine, sparkling wine

EINIG-ZENZEN GMBH & CO. KG, Carl-Friedrich-Benz-Strasse 8, D-56759, Kaisersesch, Germany. Address for service is c/o MACLACHLAN & DONALDSON, Unit 10, 4075 Kingswood Road, Citywest Business Campus, Dublin 24 D24 C56E, Ireland.

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

The application for Registration is proceeding with the consent of the proprietor of Registered European Union Trade Mark No's. 000070813 and 009948225.

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## McCain FAST FOOD, GOOD TO GO

**261442** 31 December 2018

Class 29. Prepared meals and snack foods consisting primarily of potatoes and potato based products, preserved, dried and cooked fruits and vegetables, meat, fish, poultry and game, cheese and cheese mixtures; preserved, dried and cooked fruits and vegetables; potatoes and potato based products; French fries, chips and crisps; frozen and chilled foodstuffs all being fruits and/or vegetables.

Class 30. Prepared meals consisting primarily of pasta or rice; noodle based prepared meals; pizza; pizza toppings, namely, sauces and pizza mixes; vegetable pies, meat pies; quiches; snack foods consisting primarily of pasta or rice; savoury snacks, namely, processed corn, cereal, flour and sesame based snacks, crackers, dumplings, pancakes and sandwiches; sausage rolls; pastries; sauces (condiments).

Priority Date Claimed: 10 July 2018 United Kingdom



**261443** 17 June 2019

Class 6. Basin plugs of metal; Handrails of metal for baths and showers; Metal bathtub grab bars; Bathtub grab bars of metal; Handrails of metal for baths and showers; Holders (Fixed -) of metal for towels.

Class 11. Plugs of metal for wash basins; Basin taps; Hand basins; Lavatory basins; Wash basin stoppers; Basin mixers [taps]; Basin pillar taps; Pedestal bathroom basins; Fittings for basins; Bathroom wash basins; Waste assemblies for basins; Waste fittings for basins; Sanitary drain armatures for basins; Mixing valves [faucets] for basins; Bathroom basins [parts of sanitary installations]; Wash basins [parts of sanitary installations]; Vanity units being wash hand basins; Wash-hand basins [parts of

sanitary installations]; Wall-mounted spouts for wash-hand basins; Basins being part of water supply installations; Flexible pipes being parts of basin plumbing installations; Vanity units incorporating basins [connected to the water supply]; Bathroom sinks; Bathroom heaters; Pedestal bathroom sinks; Sanitary and bathroom installations and plumbing fixtures; Push-on sprays for use with bathroom faucets; Showers; Shower heads; Shower roses; Shower units; Shower mixers; Shower hoses; Shower valves; Shower taps; Shower baths; Shower bases; Shower cubicles; Shower enclosures; Shower cabinets; Shower cabins; Shower attachments; Shower screens; Shower apparatus; Shower panels; Shower doors; Shower platforms; Shower trays; Shower tubs; Shower fittings; Mixer showers; Overhead showers; Power showers; Hand showers; Shower hoses for hand showers; Shower spray heads; Shower head sprayers; Shower mixing valves; Shower bath cubicles; Glazed shower cubicles; Shower bath fittings; Water shower apparatus; Shower control valves; Heads for showers; Hand held showers; Hand-held showers; Cubicles for showers; Enclosures for showers; Cabinets for showers; Water-saving showerheads; Shower sprayers [plumbing fittings]; Hand held shower heads; Shower cubicles [enclosures (Am.)]; Cubicles [enclosures (Am.)] Shower -; Shower bath screens (Metal -); Spray heads for showers; Pre-assembled multifunction showers; Flexible pipes for showers; Spray handsets for showers; Hand sets being shower fittings; Shower control

valves [plumbing fittings]; Enclosures of metal for showers; Plugs of metal for showers; Sanitary drain armatures for showers; Shower doors with a metal frame; Strainers for use with shower trays; Non-metallic screens for shower trays; Non-metallic screens for shower baths; Spray fittings [parts of shower installations]; Showers for sale in kit form; Controlled mixers being parts of shower installations; Shower heads being parts of water supply installations; Flexible pipes being parts of shower plumbing installations; Taps; Bath taps; Taps [faucets]; Water taps; Tap water faucets; Mixer taps [faucets]; Mixing taps [faucets]; Anti-splash tap nozzles; Nozzles (Anti-splash tap -); Taps for sanitary installations; Water taps being parts of sanitary installations; Taps [cocks, spigots] faucets [Am.] for pipes; Taps [cocks, spigots] [faucets (Am.)] for pipes; Valves [taps] being parts for sanitary installations; Toilets; Seats (Toilet -); Toilet lids; Toilet bowls; Toilet cisterns; Toilet seats; Toilet seat lids; Toilets [water-closets]; Toilets incorporating cisterns; Water-saving toilets; Flush handles for toilets; Flush levers for toilets; Flush levers [parts of toilets]; Toilet bowls and seats sold as a unit; Baths; Bathtubs; Bath panels; Bath screens; Bath spouts; Fittings (Bath -); Bath tubs; Bath fittings; Bathtub enclosures; Bathroom sinks; Bath plumbing fixtures; Waste fittings for baths; Waste assemblies for baths; Waste pipes for bathtubs; Wall-mounted spouts for baths; Plugs of metal for baths; Flexible pipes being parts of bath plumbing installations; Electric towel

- Class 20. warmers; Heated towel rails; Electrically heated towel rails. Basin plugs of non-metallic materials; Plugs for wash basins, not of metal; Basin cabinets; Vanity units incorporating basins; Bathroom vanity units incorporating basins; Bathroom mirrors; Bathroom vanities; Bathroom cupboards; Bathroom cabinets; Bathroom furniture; Modular bathroom furniture; Furniture for bathrooms; Bathroom fittings in the nature of furniture; Plugs for showers, not of metal; Bathroom vanities [furniture]; Plugs for baths, not of metal.
- Class 21. Basins; Basins [bowls]; Bowls [basins]; Basins [receptacles]; Bathroom basins [receptacles]; Wash basins [receptacles]; Bathroom glass holder; Rings for towels [bathroom fittings]; Toilet brush holders; Toilet roll holders; Holders for toilet paper; Soap dishes; Dishes for soap; Wall soap dishes; Soap dispensers; Liquid soap dispensers; Hand soap dispensers; Towel holders; Towel rails; Towel racks; Towel rings; Towel bars; Towel rails and rings; Rings (Rails and -) for towels; Rails and rings for towels.

MYLIFE BATHROOMS LIMITED, 14 Moor Hill Road, Newry, Co. Down 14 Moor Hill Road, United Kingdom. Address for service is c/o Cahal Lynch, MyLife Bathrooms, Unit 13 Greenbank Industrial Estate Rampart Road, Newry BT342QU, United Kingdom.

## LOVE IN THE COUNTRY

**261444** 17 June 2019

- Class 41. Entertainment services; entertainment services in the nature of production and distribution of television programmes and audio and/or video recordings provided through cable television, Internet, video on-demand, mobile devices and other distribution platforms; publishing services; entertainment; online entertainment; sporting and cultural activities; electronic games services provided by means of the Internet; the provision of online electronic publications; rental of audio and or video recordings, radio and television programmes and films; theatrical, musical, television and film entertainment services; publication of books, texts and journals online; providing digital video and or audio recordings (not downloadable) via a computer network such as the Internet; providing online electronic publications (not downloadable) online from databases or the Internet; providing electronic images and artwork (not downloadable) on-line from databases or the Internet; theatre entertainment; game shows; television entertainment services involving telephonic audience participation; interactive entertainment for use with a mobile phone; Internet based games; operation of lottery and games of chance; amusement game services; gaming services; gambling services; betting services; casino services; card game

and casino tournaments, competitions, contests, games and/or events; lottery services; the provision of any of the aforesaid services to mobile phones, via a mobile network, by communications satellite, by microwave or other electronic, digital and analogue media, live, electronically, via computer network, via the Internet, online and through the medium of television; organisation, production and presentation of events for educational, cultural or entertainment purposes; organisation, production and provision of video clips via mobile or computer networks for entertainment and/or educational purposes; education and entertainment services namely editing, posting, displaying, tagging, blogging, sharing or otherwise providing data including images, graphics, sound, text or audio-visual information via the Internet or other communications network for educational and entertainment purposes.

FremantleMedia Limited, 1 Stephen Street, London W1T 1AL, United Kingdom. Address for service is c/o FremantleMedia Limited, 1 Stephen Street, London W1T 1AL, United Kingdom.

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# CalfSmart

**261445** 18 June 2019

Class 29. milk and milk products; milk powder; powdered milk; dried milk powder; skim milk powder.

Class 31. foodstuffs and beverages for animals; milk replacers for animals; milk for use as foodstuffs for animals; milk substitutes for use as foodstuffs for animals; artificial milk prepared for use as feeding stuff for calves; milk based foodstuffs for animals.

LAKELAND AGRI LIMITED, Lough Egish, Co. Monaghan, Ireland. Address for service is c/o FRKelly, 27 Clyde Road, Ballsbridge, Dublin 4, Ireland.



**261446** 04 June 2019

Class 35. Providing an on-line searchable database featuring used books being offered for sale and buyer/seller contact information.

Class 39. Transportation of books; Storing books; Safekeeping of books; Collection of used books for distribution to further users; Delivery [distribution] of books.

Class 41. Educational services; Charitable services, namely, providing books to people for educational purposes; Lending of books; Information services relating to books; Library services, namely cataloguing books.

Sarah Fitzgerald, No. 9 Pearse Street, Kinsale, Co. Cork, Ireland. Address for service is c/o VIRGIL HORGAN, Hegarty & Horgan, Solicitors, Law Chambers, Kinsale, Co. Cork, Ireland.

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

- 260766** Tom Fitzmaurice. Opposition filed 14 August 2019
- 260814** Tolmar International Limited. Opposition filed 12 August 2019

## Application(s) Amended after Advertisement under the 1996 Act

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, Patents Office, Government Buildings, Hebron Road, Kilkenny, in accordance with the provisions of Rule 18.

- 261369** Advertised in Journal No: 2392 on 21/08/2019. Specification of goods amended to read: Cl. 9. Computer software applications, downloadable; Computer application software; Computer application software for mobile telephones; Computer software for creating searchable databases of information and data; Databases; Computer databases; Data processing software; Data processing equipment; Data processing systems; Machine learning software; Computer software for system cleaning and optimization ; none of the foregoing relating to financial communications or the facilitation of financial transactions. Cl. 35. Business administration services in the field of transportation; Business administration services; Business management services; Assistance with business planning; Assistance with business management; Assistance relating to business

organisation; Outsourcing services in the field of business analytics; Outsourcing services in the field of business operations ; none of the foregoing relating to financial communications or the facilitation of financial transactions. Cl. 39. Transport services; Coach transport; Transportation services; Coach transport services; Bus transport services; Minibus transport services; Transportation information; Transportation logistics; Booking of transport; Provision of information relating to transport; Provision of information relating to road transport; Provision of information relating to the transportation of passengers. Cl. 42. Data warehousing; Data mining; Maintaining databases; Technical data analysis services; Data duplication and conversion services, data coding services; Application service provider (ASP) services, namely, hosting computer software applications of others; Development of computer software application solutions; Installation and customisation of computer applications software; Hosting of digital content on the Internet; Design and development of computer software; Design and development of computer hardware ; none of the foregoing relating to financial communications or the facilitation of financial transactions.

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

- 259885** Marc Pope  
**259908** Mark Hamill  
**259919** Holtend Limited  
**259920** Holtend Limited  
**259937** Sinead Burke  
**259945** Jessie O'Brien  
**259964** eMoov Limited

## Trade Marks Registered under the 1996 Act

- 254435** (2305) Cl. 35. Stuart McNamara  
**255060** (2312) Cl. 1 3 5 29 30 32. NURITAS LIMITED



**260069** (2376) Cl. 43. Tony O'Shea  
**260081** (2376) Cl. 9 16 35 37 38 41 42 45.  
 Innovate Business Technology Limited  
**260084** (2376) Cl. 30. Moo-licious Foods Ltd  
**260391** (2380) Cl. 42. Eleanor P. Hunter  
**260419** (2380) Cl. 9. Enayet Patel  
**260438** (2381) Cl. 6 16 20 21. Reinhard  
 Waschkowitz  
**260456** (2381) Cl. 45. Thomas Neville  
**260457** (2381) Cl. 6. Katharina Blochinger  
**260458** (2381) Cl. 22 25 42. Cairenn Foy  
**260471** (2381) Cl. 41 44. Mark Wilson-Pierce  
**260478** (2382) Cl. 35 42. Alight Solutions LLC  
**260481** (2382) Cl. 5. MEDICAGO INC.  
**260541** (2382) Cl. 35 43. Mark Wilson-Pierce  
**260551** (2382) Cl. 43. PU YUAN GROUP  
 LIMITED  
**260553** (2382) Cl. 36. PU YUAN GROUP  
 LIMITED  
**260560** (2383) Cl. 45. Peter Pearson Evans  
**260594** (2383) Cl. 35 41 43 44. Mark Wilson-  
 Pierce  
**260620** (2383) Cl. 36 41. Hope for People with  
 Autism CLG  
**260622** (2383) Cl. 32. Britvic Ireland Limited  
**260642** (2383) Cl. 16 35. Agnessa Piotrovskaja  
**260644** (2383) Cl. 16. CORMAC FITZGERALD  
**260651** (2384) Cl. 5. Prism Science (Ireland)  
 Limited  
**260652** (2384) Cl. 9. Geoffrey DENIZOT  
**260654** (2384) Cl. 29 30 43. CAMILE THAI  
 KITCHEN LIMITED  
**260655** (2384) Cl. 17. Alan Tracey  
**260656** (2384) Cl. 29 30 43. CAMILE THAI  
 KITCHEN LIMITED  
**260658** (2384) Cl. 14 16 21 25 29 30 31 32 33 35  
 39 41 43 44. The Trustees for the time  
 being of the Lord Revelstoke Settlement  
**260661** (2384) Cl. 19. Deeward Ltd  
**260665** (2384) Cl. 35 36. Amstraw Corporate  
 Services (Ireland) Limited  
**260666** (2384) Cl. 30 43. Losos Limited  
**260668** (2384) Cl. 41. Ingenium Training &  
 Consulting Limited  
**260672** (2384) Cl. 5. Darragh Hammond  
**260673** (2384) Cl. 36. ATHENE IP HOLDING  
 LTD.  
**260674** (2384) Cl. 2. LINEMARK (UK)  
 LIMITED  
**260675** (2384) Cl. 43. LOSOS LIMITED  
**260679** (2384) Cl. 25. Shaws Department Stores  
**260686** (2384) Cl. 30 43. DOJO HEALTH  
 LIMITED  
**260690** (2384) Cl. 30. CADBURY UK  
 LIMITED  
**260694** (2384) Cl. 16 25 41. The Little Museum  
 of Dublin Company Limited

**260697** (2384) Cl. 6. Olympic Fixing Products  
 Limited  
**260700** (2384) Cl. 16. The Party Boutique  
**260701** (2384) Cl. 36. An Post  
**260702** (2384) Cl. 36. An Post  
**260704** (2384) Cl. 9 35 36 39. National  
 Transport Authority (NTA)  
**260707** (2384) Cl. 29 30 39 43. SINO FOODS  
 LTD  
**260708** (2384) Cl. 9. Emeka Ikwukeme  
**260711** (2384) Cl. 14 25. Shaws Department  
 Stores  
**260717** (2384) Cl. 9 16 29 30 31 32 33 35 41 44.  
 Miles-Bramwell Executive Services  
 Limited  
**260718** (2384) Cl. 7 8 9 10 11 16 18 20 21 24 25  
 28 29 30 31 32 33 35 41 44. Miles-  
 Bramwell Executive Services Limited  
**260723** (2384) Cl. 44. Roisin Fitzgerald  
**260726** (2384) Cl. 7 12. KATO WORKS CO.,  
 LTD.  
**260727** (2384) Cl. 36. Paddy Markey  
**260729** (2384) Cl. 35 36. Leo Capital Ventures  
**260731** (2384) Cl. 6. Olympic Fixing Products  
 Limited  
**260734** (2384) Cl. 36 37 43. Montage Hotels &  
 Resorts, LLC  
**260735** (2384) Cl. 25 35. Cian Crosse

### Renewal of Registrations Under Section 48 of the 1996 Act

**31188** Cl. 8. Saint-Gobain Abrasives, Inc.  
**31229** Cl. 33. Paddy Whiskey Limited  
**36470** Cl. 5. Intercontinental Great Brands LLC  
**36471** Cl. 5. Intercontinental Great Brands LLC  
**60932** Cl. 9. GIP Development  
**84538** Cl. 2. BASF AKTIENGESELLSCHAFT  
**84726** Cl. 6. MANN+HUMMEL Purolator  
 Filters LLC  
**84727** Cl. 12. MANN+HUMMEL Purolator  
 Filters LLC  
**85416** Cl. 3. THE CLOROX COMPANY  
**85433** Cl. 17. BRETT MARTIN LIMITED  
**85626** Cl. 4. BP p.l.c.  
**85741** Cl. 3. Unilever PLC  
**85742** Cl. 5. Unilever PLC  
**85924** Cl. 30. CADBURY UK LIMITED  
**86108** Cl. 30. CADBURY UK LIMITED  
**86192** Cl. 19. BRETT MARTIN LIMITED  
**87032** Cl. 30. Unilever PLC  
**87744** Cl. 30. CADBURY UK LIMITED  
**89685** Cl. 30. CADBURY UK LIMITED  
**93670** Cl. 30. UNILEVER PLC  
**93776** Cl. 5. ADAMA Celsius B.V.  
**95182** Cl. 30. CADBURY UK LIMITED

|               |   |               |  |
|---------------|---|---------------|--|
| <b>97087</b>  | Cl. 5. Wyeth LLC  | <b>150732</b> | Cl. 16. TIMES NEWSPAPERS LIMITED   |
| <b>97742</b>  | Cl. 30. UNITED BISCUITS (UK) LIMITED  | <b>150802</b> | Cl. 9. Ansell Limited  |
| <b>101220</b> | Cl. 3. HECHTER SERVICES SA  | <b>151126</b> | Cl. 3, Cl. 5. CONOPCO INC.   |
| <b>104271</b> | Cl. 1, Cl. 4. BP p.l.c.   | <b>151184</b> | Cl. 5. PFIZER INC.   |
| <b>127617</b> | Cl. 31. PREMIER MOLASSES COMPANY LIMITED  | <b>152292</b> | Cl. 30. CADBURY UK LIMITED   |
| <b>127618</b> | Cl. 31. PREMIER MOLASSES COMPANY LIMITED  | <b>152451</b> | Cl. 16. TIMES NEWSPAPERS LIMITED   |
| <b>128134</b> | Cl. 29. INTER-IBERIA COMERCIO DE ALIMENTOS, LDA.                                | <b>152698</b> | Cl. 1, Cl. 10. Connexicon Medical Limited  |
| <b>128206</b> | Cl. 1. AKZO NOBEL CHEMICALS B.V.  | <b>152700</b> | Cl. 10. ELI LILLY AND COMPANY  |
| <b>128677</b> | Cl. 3. LORIS AZZARO B.V.  | <b>153713</b> | Cl. 1. Rhodia Chimie   |
| <b>128684</b> | Cl. 3. THE SUNRIDER CORPORATION SUNRIDER INTERNATIONAL                          | <b>153834</b> | Cl. 3. YVES SAINT LAURENT PARFUMS  |
| <b>128870</b> | Cl. 5. BGP Products Operations GmbH   | <b>153910</b> | Cl. 6. Flowserve Management Company  |
| <b>128920</b> | Cl. 29. THE SUNRIDER CORPORATION SUNRIDER INTERNATIONAL                         | <b>154246</b> | Cl. 4. THE KINGSFORD PRODUCTS COMPANY  |
| <b>129154</b> | Cl. 4. CASTROL LIMITED  | <b>154960</b> | Cl. 5. PFIZER INC.   |
| <b>129506</b> | Cl. 3. MAX MARA INTERNATIONAL S.A.  | <b>155824</b> | Cl. 25. ARCADIA GROUP BRANDS LIMITED   |
| <b>129507</b> | Cl. 18. Max Mara Fashion Group S.r.l.   | <b>156765</b> | Cl. 9. TIMES NEWSPAPERS LIMITED  |
| <b>129508</b> | Cl. 24. Max Mara Fashion Group S.r.l.   | <b>157105</b> | Cl. 16. BOSTIK SA  |
| <b>129509</b> | Cl. 3. Max Mara Fashion Group S.r.l.  | <b>157278</b> | Cl. 32. Anadolu Efes Biracilik ve Malt Sanayii Anonim Sirketi                            |
| <b>129510</b> | Cl. 18. Max Mara Fashion Group S.r.l.   | <b>160073</b> | Cl. 6, Cl. 7, Cl. 9, Cl. 19. dormakaba Deutschland GmbH                                  |
| <b>129512</b> | Cl. 9. AUTODESK INC.  | <b>214837</b> | Cl. 29, Cl. 30. FRITO-LAY TRADING COMPANY GmbH   |
| <b>129921</b> | Cl. 5. Merck Sharp & Dohme Corp.  | <b>214931</b> | Cl. 29. LIDL STIFTUNG & CO. KG   |
| <b>129942</b> | Cl. 29. Arla Foods Limited  | <b>214939</b> | Cl. 7, Cl. 8, Cl. 9. TTS TOOLTECHNIC SYSTEMS AG & CO. KG                                 |
| <b>129943</b> | Cl. 29. Arla Foods Limited  | <b>214949</b> | Cl. 19. Stephen Scanlon  |
| <b>130380</b> | Cl. 30. CADBURY UK LIMITED  | <b>214959</b> | Cl. 9, Cl. 16, Cl. 41. THE IRISH TIMES LIMITED   |
| <b>130381</b> | Cl. 30. CADBURY UK LIMITED  | <b>215061</b> | Cl. 28. Rhodia Operations  |
| <b>130419</b> | Cl. 30. MARS FOODS IRELAND LIMITED  | <b>215077</b> | Cl. 29. SAVENCIA SA  |
| <b>130614</b> | Cl. 29. Upfield Spreads UK Limited  | <b>215088</b> | Cl. 2. Akzo Nobel Coatings International B.V.  |
| <b>130868</b> | Cl. 29. COUNTRY STYLE FOODS LIMITED   | <b>215421</b> | Cl. 12. BRIDGESTONE LICENSING SERVICES, INC.   |
| <b>131003</b> | Cl. 16. Dollar Rent A Car, Inc.   | <b>215451</b> | Cl. 29, Cl. 30. FRITO-LAY TRADING COMPANY GmbH   |
| <b>131072</b> | Cl. 12. Subaru Corporation  | <b>215525</b> | Cl. 5. Elanco Tiergesundheit AG  |
| <b>131146</b> | Cl. 29. THE SUNRIDER CORPORATION SUNRIDER INTERNATIONAL                         | <b>215551</b> | Cl. 9, Cl. 25. MWUK Limited  |
| <b>131619</b> | Cl. 10. Ansell Limited  | <b>215566</b> | Cl. 29, Cl. 30. Kepak Group  |
| <b>131782</b> | Cl. 25. REGATTA LTD   | <b>215606</b> | Cl. 12. Compagnie Generale des Etablissements Michelin                                   |
| <b>133788</b> | Cl. 3. Accantia Group Holdings  | <b>215753</b> | Cl. 30. CADBURY UK LIMITED   |
| <b>133921</b> | Cl. 16. FUNDACION BANCARIA CAIXA D'ESTALVIS I PENSIONS DE BARCELONA, "LA CAIXA" | <b>215772</b> | Cl. 30. CADBURY UK LIMITED   |
| <b>134552</b> | Cl. 30. CADBURY UK LIMITED  | <b>215809</b> | Cl. 9. GIP Development   |
| <b>142627</b> | Cl. 16. Tara Diaries & Calendars Limited (registered Number 467597)             | <b>215837</b> | Cl. 5. Zoetis Services LLC   |
| <b>149393</b> | Cl. 5. BRACCO SUISSE S.A.   | <b>215920</b> | Cl. 35, Cl. 42. Comexposium Holding  |
| <b>149559</b> | Cl. 5. BRACCO SUISSE S.A.   | <b>215988</b> | Cl. 36. SOCIETE DE PARTICIPATIONS DANS LES ENTREPRISES REGIONALES EN EXPANSION - SIPAREX |
| <b>150731</b> | Cl. 9. TIMES NEWSPAPERS LIMITED   | <b>216176</b> | Cl. 30. CADBURY UK LIMITED   |

|        |   |
|--------|---|
| 216192 | Cl. 5. Intervet International B.V.                                |
| 216324 | Cl. 7, Cl. 11. DrM, Dr. Müller AG                                 |
| 216677 | Cl. 7. Patterson Pump Company                                     |
| 217311 | Cl. 29. SAVENCIA SA   |
| 218423 | Cl. 30. CADBURY UK LIMITED  |
| 219276 | Cl. 16, Cl. 17, Cl. 19, Cl. 27. Shurtech Brands, LLC              |
| 223324 | Cl. 3. John Paul O'Callaghan                                      |
| 223981 | Cl. 16, Cl. 17, Cl. 19. Shurtech Brands, LLC                      |
| 224935 | Cl. 25. The Absolut Company Aktiebolag                            |
| 241985 | Cl. 5. ROWEX LTD.   |
| 241986 | Cl. 41. ANTHONY BELLEW  |
| 242002 | Cl. 37. FERM ENG LTD  |
| 242072 | Cl. 29, Cl. 30. UNITED BISCUITS (UK) LIMITED                      |
| 242287 | Cl. 5. ARDMORE FARM SUPPLIES LTD T/A ARDMORE EQUINE NUTRITION LTD |
| 242293 | Cl. 5. ARDMORE NATURAL CARE LTD                                   |
| 242294 | Cl. 5. ARDMORE FARM SUPPLIES LTD T/A ARDMORE EQUINE NUTRITION LTD |
| 242295 | Cl. 5. ARDMORE FARM SUPPLIES LTD T/A ARDMORE EQUINE NUTRITION LTD |
| 242334 | Cl. 41. TOM HOPKINS   |
| 242362 | Cl. 30. CADBURY UK LIMITED  |
| 242400 | Cl. 33. SUR ANDINO S.A.   |
| 242456 | Cl. 3. UNILEVER PLC   |
| 242603 | Cl. 35, Cl. 43. MCAVOY GROUP LIMITED                              |
| 242615 | Cl. 25. MGM TELEVISION ENTERTAINMENT INC                          |
| 242616 | Cl. 18, Cl. 25. MGM TELEVISION ENTERTAINMENT INC                  |
| 242807 | Cl. 5. GERD PETRIK  |
| 242920 | Cl. 35, Cl. 42. COMIT COMMUNICATIONS AND MARKETING LIMITED        |
| 242985 | Cl. 30. CADBURY UK LIMITED  |

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

**131465** Class 2. PPG Industries Ohio, Inc.  
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.

## Trade Marks Restored to the Register under Rule 40 of the 1996 Rules

**93146** Cl. 1, Cl. 6, Cl. 9. Kent Europe GmbH.

## International Trade Marks protected in the State

**0339787** (2384) Cl. 5  
CREMO S.A. of Switzerland

**0441316** (2384) Cl. 3  
LABORATOIRES DE BIOLOGIE  
VEGETALE YVES ROCHER of France

**0691806** (2384) Cl. 1, 2, 7, 8, 17, 19,  
20, 22, 27, 37, 42  
Forbo Financial Services AG of Switzerland

**1159687** (2384) Cl. 6, 19, 20  
Fetim B.V. of The Netherlands

**1249272** (2384) Cl. 39  
PRO-INVESTMENT of France

**1267644** (2384) Cl. 9  
"Sense Digital" Limited Liability Company of  
Belarus

- 1370809** (2384) Cl. 25, 32  
Stone Brewing Co. of United States of America
- 1393526** (2382) Cl. 9, 17  
DYKA SAS of France
- 1403871** (2384) Cl. 35, 36, 37, 38, 39, 40, 42, 43, 44  
Tokyo Century Corporation of Japan
- 1408132** (2384) Cl. 38  
Xiaomi Singapore Pte. Ltd. of Singapore
- 1411812** (2384) Cl. 5, 29, 30  
BENLIAN FOODS DOO of Serbia
- 1411997** (2384) Cl. 3, 4  
Louis Vuitton Malletier of France
- 1413779** (2384) Cl. 30  
UNIVERSAL VILLAGE INTERNATIONAL PTY LTD of Australia
- 1424861** (2384) Cl. 16, 35, 36  
Apax Partners LLP of United Kingdom
- 1425339** (2384) Cl. 16, 35, 36  
Apax Partners LLP of United Kingdom
- 1426663** (2384) Cl. 35  
Rea.deeming Beauty, Inc. of United States of America
- 1433216** (2384) Cl. 43  
HotelsAB, LLC of United States of America
- 1439329** (2384) Cl. 5, 30, 35  
REAKIRO EUROPE LIMITED of Cyprus
- 1441665** (2384) Cl. 35  
BODYOLOGISTS, LLC of United States of America
- 1442726** (2384) Cl. 9, 35, 36, 38, 41, 42, 44, 45  
Ping An Insurance (Group) Company of China, Ltd. of China
- 1444914** (2384) Cl. 3, 9, 14, 18, 25  
POINT TEC Products Electronic GmbH of Germany
- 1445721** (2384) Cl. 30  
Midsona Deutschland GmbH of Germany
- 1445730** (2384) Cl. 41  
THE NAVIGATOR COMPANY, S.A. of Portugal
- 1446289** (2384) Cl. 3, 14, 18, 25  
Debenhams Retail plc of United Kingdom
- 1446291** (2384) Cl. 3, 14, 18, 25  
Debenhams Retail plc of United Kingdom
- 1447248** (2384) Cl. 9, 28, 41  
Euro Games Technology Ltd. of Bulgaria
- 1447713** (2384) Cl. 9, 28  
Euro Games Technology Ltd. of Bulgaria
- 1447809** (2384) Cl. 16, 35, 36  
Apax Partners LLP of United Kingdom
- 1447864** (2384) Cl. 9, 42  
Verein sensNORM of Switzerland
- 1447880** (2384) Cl. 3  
M. Loris RONDE of France
- 1447893** (2384) Cl. 12, 25, 35, 37, 42  
Egli Motorradtechnik AG of Switzerland
- 1447894** (2384) Cl. 9, 42  
Verein sensNORM of Switzerland
- 1447895** (2384) Cl. 12, 25, 35, 37, 42  
Egli Motorradtechnik AG of Switzerland
- 1447982** (2384) Cl. 9, 28, 41  
SHENZHEN TATFOOK NETWORK TECHNOLOGY CO.,LTD of China
- 1448015** (2384) Cl. 8  
DELI GROUP CO., LTD. of China
- 1448046** (2384) Cl. 18, 25, 35  
EP YAYING FASHION GROUP CO., LTD of China
- 1448066** (2384) Cl. 18, 25, 35  
EP YAYING FASHION GROUP CO., LTD of China
- 1448081** (2384) Cl. 18, 20, 24  
HERMES INTERNATIONAL of France
- 1448157** (2384) Cl. 9  
Karcher AG of Germany

**1448278** (2384) Cl. 32  
Raphael Bruchez of Switzerland

**1448411** (2384) Cl. 41  
Austin Macauley Publishers Ltd of United Kingdom

**1448654** (2384) Cl. 12  
PEUGEOT SA of France

**1448713** (2384) Cl. 35  
SHANDONG XUGUANG FESCO SERVICE CO., LTD. of China

**1448730** (2384) Cl. 16  
STEARNS, STEPHEN of United States of America

**1449211** (2384) Cl. 30, 32  
Obshchestvo s ogranichennoy otvetstvennostyu "PETROGLYPH" of Russian Federation

**1449289** (2384) Cl. 3, 9, 14, 18, 25, 35, 38, 41  
LOUIS VUITTON MALLETTIER of France

**1449292** (2384) Cl. 33  
DRINK SMART LTD of Israel

**1449353** (2384) Cl. 9, 18  
HERMES INTERNATIONAL of France

**1449529** (2384) Cl. 4, 7, 9, 42  
SHAANXI HEAVY-DUTY AUTOMOBILE CO., LTD. of China

**1449538** (2384) Cl. 30  
FERRERO INTERNATIONAL S.A. of Luxembourg

**1449613** (2384) Cl. 30  
FERRERO INTERNATIONAL S.A. of Luxembourg

**1449652** (2384) Cl. 36, 42  
RATIONIS S.r.l. of Italy

**1449690** (2384) Cl. 3, 9, 14, 18, 25, 34  
FINANCIERE DES LICES of France

**1449714** (2384) Cl. 43  
Gao Defu of China

**1450192** (2384) Cl. 5  
KRKA, tovarna zdravil, d.d., Novo mesto of Slovenia

**1450667** (2384) Cl. 9, 28  
Euro Games Technology Ltd. of Bulgaria

**1450908** (2384) Cl. 30  
EURIMAC S.A. EUROPEAN RICE AND MACARONI COMPANY of Greece

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

**1276544** EHOB CAir  
Cancellation in respect of all goods and services registered at WIPO on 29/07/2019.

**1250102** KOLD  
Goods/Services remaining:  
Class 1.  
Zeolites charged with carbon dioxide contained in cartridges and mixed with flavored syrup for making beverages.  
Class 7.  
Machines for the production of cold water, soda, still, carbonated and sparkling beverages, and parts and fittings therefor.  
Class 11.  
Electrical apparatus for preparing and dispensing chilled drinks, namely, cold beverage dispensing units, and parts and fittings therefor.  
Class 30.  
Preparations for making beverages, namely, concentrates used in the preparation of fruit flavored tea based beverages.  
Class 32.  
Syrups for making beverages; preparations for making beverages, namely, concentrates used in the preparation of fruit flavored tea based beverages, sports beverages, and soft drinks; syrup pods, namely, disposable cartridges containing syrups for making beverages; preparations for making aerated water.  
Date of Recordal of Cancellation: 12/07/2019

## Changes/Corrections in the International Register

**1407245** Advertised in Journal No. 2390 dated 24/07/2019

Class 25: Clothing, footwear, headgear; coats; waistcoats; stadium vests (marking vests); bathing suits; bath robes; hats; caps; boots; scarves; shoes and footwear; shirts; headbands; belts (clothing); neckties; aprons; sweatshirts; braces for clothing; skirts; shawls; bandanas (neckerchiefs); knitted caps; gloves; waterproof clothing; jackets; blazers; sports jackets; pullovers; sleeveless pullovers; sweaters; underwear; garters; socks and stockings; trousers; shorts; pyjamas; bibs, not of paper; knitwear (clothing); wrist bands; kimonos; vests; suits for infants and children; shoes; sports shoes; t-shirts; singlets; sandals; uniforms; dresses; motorists' clothing; cap peaks; none of the aforementioned goods intended or adapted for use in an orthopedic or therapeutic setting, for orthopedic or therapeutic muscle or joint support, or as orthopedic or therapeutic compression or anti-embolism products.

Class 28: Decorations for Christmas trees; gymnastic and sporting articles not included in other classes; games, toys and playthings; golf tees; apparatus for gymnastics; electronic games apparatus adapted for use with television sets; electronic games apparatus other than those adapted for use with television sets; electronic game apparatus with liquid crystal displays; electronic games apparatus; video game machines; handheld video games apparatus; apparatus for games other than those adapted for use with an external display screen or monitor; articles for gymnastics and sports; play balloons; party hats (toys) of paper; golf clubs; lottery tickets to scratch; balls for play; sporting bags and cases adapted for carrying sports articles; golf bags with or without wheels; fairground ride apparatus; golf club head covers; confetti; gaming consoles; voice-adapted or hand-operated game controllers; kites; golf gloves;

automatic game machines being coin-operated; playing cards; board games; portable games with liquid crystal display; games and playthings; inflatable toys; toys for pets; robots (toys) for entertainment; joysticks for video games; foam hands (toys); play and entertainment machine started by the introduction of coins; electronic video game machines for game rooms; slot machines; automatic amusement machines; ground markers, ball markers; scale model vehicles; skate boards; plush dolls; joystick for game consoles; toy scooters; roller skates; plush toys; balls for games; puzzles; rackets; tables for indoor football; jigsaw puzzles; toy vehicles; remote control toy vehicles; none of the aforementioned goods intended or adapted for use in an orthopedic or therapeutic setting, for orthopedic or therapeutic muscle or joint support, or as orthopedic or therapeutic compression or anti-embolism products.

The other classes remain unchanged.

**1421765** Advertised in Journal No. 2387 dated 12/06/2019

Class 9: 3D virtual reality glasses; optical data carriers; analyzers; electric control apparatus; software for use with 3D virtual reality glasses and optical data carriers; mobile apps for use with 3D virtual reality glasses and optical data carriers; all of the aforesaid goods in the fields of industrial process measurement, industrial process automation, industrial environmental measurement and monitoring, laboratory measurement, laboratory measurement, laboratory automation technology, supply chain management, plant and inventory management, manufacturing automation; none of the aforesaid goods for use in electronic access control, security authorization, time and attendance systems; all of the aforesaid goods excluding control systems for autonomous vehicles; all of the foregoing goods not in the fields of renewable energy, energy systems and energy management and not for private customers or households.

Class 35: Compilation of electronically

transmitted data in the areas of industrial process measurement, industrial process automation, industrial environmental measurement and monitoring, laboratory measurement, laboratory automation technology, supply chain management, plant and inventory management and manufacturing.

Class 38: Internet communication services in the fields of industrial process measurement, industrial process automation, industrial environmental measurement and monitoring, laboratory measurement, laboratory automation technology, supply chain management, plant and inventory management, and manufacturing.

## Errata

### **Trademarks Removed from the Register under Section 48 and Rule 39 (2) of the 1996 Act and Rules**

- 208158** In Journal Number 2366 of 22nd of August 2018, in the list of Trademarks Removed through Non-Payment of Renewal Fees, trademark number 208158 was listed in error. This Trademark is still in force.