

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT7860610

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PALL CORPORATION	01/01/2023

RECEIVING PARTY DATA

Name:	CYTIVA US LLC
Street Address:	100 RESULTS WAY
City:	MARLBOROUGH
State/Country:	MASSACHUSETTS
Postal Code:	01752

PROPERTY NUMBERS Total: 96

Property Type	Number
Application Number:	17061705
Application Number:	17067991
Patent Number:	7357866
Patent Number:	7731849
Patent Number:	7976705
Patent Number:	8226827
Patent Number:	7959192
Patent Number:	8322756
Patent Number:	9745206
Patent Number:	9878921
Patent Number:	8556111
Patent Number:	8454059
Patent Number:	9266066
Patent Number:	9427512
Patent Number:	9421317
Patent Number:	8919385
Patent Number:	8440085
Patent Number:	9795921
Patent Number:	9802161
Patent Number:	8980088

PATENT

Property Type	Number
Patent Number:	9776139
Patent Number:	9228166
Patent Number:	10294267
Patent Number:	9808770
Patent Number:	9718924
Patent Number:	9394407
Patent Number:	9410626
Patent Number:	9880067
Patent Number:	9346571
Patent Number:	9309126
Patent Number:	9764292
Patent Number:	9561473
Patent Number:	9776142
Patent Number:	9302228
Patent Number:	9610548
Patent Number:	9260569
Patent Number:	10247342
Patent Number:	9737860
Patent Number:	9446355
Patent Number:	9309367
Patent Number:	9663259
Patent Number:	9303133
Patent Number:	9962662
Patent Number:	9931635
Patent Number:	10471396
Patent Number:	9714405
Patent Number:	9687852
Patent Number:	9878295
Patent Number:	10441927
Patent Number:	10130918
Patent Number:	10422716
Patent Number:	9724649
Patent Number:	10239023
Patent Number:	10234042
Patent Number:	10183108
Patent Number:	11156298
Application Number:	17509624
Patent Number:	10576431

Property Type	Number
Patent Number:	10350550
Patent Number:	11065589
Patent Number:	10737259
Application Number:	17230264
Application Number:	16909239
Application Number:	17385399
Application Number:	16942156
Application Number:	17563790
Application Number:	63295483
Application Number:	17934962
Patent Number:	11383188
Patent Number:	11173434
Application Number:	16724728
Patent Number:	11504682
Patent Number:	11498023
Patent Number:	11148083
Application Number:	17450508
Patent Number:	11498024
Application Number:	17127042
Application Number:	17127070
Application Number:	17127138
Application Number:	17127178
Patent Number:	11384869
Patent Number:	11519541
Application Number:	17495598
Application Number:	18045082
Patent Number:	11504716
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Application Number:	17387487
Application Number:	17559078
Application Number:	17721451
Application Number:	63295833
Application Number:	17937870
Application Number:	63295830
Application Number:	17937690
Application Number:	63295490
Application Number:	17563842
Application Number:	17563880

CORRESPONDENCE DATA**Fax Number:** (202)737-6770*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.***Phone:** (202)737-6770**Email:** mgill@leydig.com, assignments@leydig.com**Correspondent Name:** LEYDIG, VOIT & MAYER, LTD.**Address Line 1:** 1900 DUKE STREET, SUITE 420**Address Line 4:** ALEXANDRIA, VIRGINIA 22314-3461**ATTORNEY DOCKET NUMBER:** 766893**NAME OF SUBMITTER:** JEREMY M. JAY**SIGNATURE:** /Jeremy M. Jay/**DATE SIGNED:** 03/22/2023**Total Attachments: 37**

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INTELLECTUAL PROPERTY ASSIGNMENT AGREEMENT

THIS INTELLECTUAL PROPERTY ASSIGNMENT (“Assignment”) is made and entered into as of January 1, 2023 (“Effective Date”), by and between Pall Corporation, a New York corporation (“Assignor”), and Cytiva US LLC, a Delaware corporation (“Assignee”).

WHEREAS, Assignor and Assignee are parties to that certain Business Transfer Agreement dated as of January 1, 2023 (the “Agreement”), and;

WHEREAS, pursuant to the Agreement, Assignor wishes to assign to Assignee, and Assignee wishes to acquire from Assignor, the Transferred Patents;

NOW, THEREFORE, in consideration of the mutual promises and covenants set forth herein and in the Agreement, the receipt and sufficiency of which is hereby acknowledged, and intending to be legally bound hereby, each party hereto agrees as follows:

1. Assignment. Effective as of the Effective Date, Assignor, on behalf of itself and its subsidiaries, hereby assign, transfer, convey and deliver to the Assignee all right, title and interest (including the right to claim priority) in and to all (i) designs, patents and patent applications set forth on Schedule A, and any reissues, reexaminations, divisions, extensions, provisionals, continuations, or continuations-in-part thereof, all income, royalties or payments due or payable with respect thereto as of the Effective Date or thereafter, all causes of action (either in law or in equity) relating thereto, and the right to sue, counterclaim, and recover damages for infringement or other unauthorized use as of the Effective Date (the “Transferred Patents”).
2. Recordation. Each of the parties hereto hereby authorizes and requests the United States Patent & Trademark Office and any other applicable governmental entity or registrar (including any applicable foreign or international office or registrar) (each, an “IP Office/Registrar”) to record, at the Assignee’s (or its affiliate’s) sole cost and expense, the Assignee (or its designee) as the owner of the Transferred Patents. The Assignee shall have the right to record, at the Assignee’s (or its affiliate’s) sole cost and expense, this Agreement, and/or any short-form intellectual property assignment agreement, with all applicable governmental authorities and registrars so as to record and perfect its ownership of the applicable Transferred Patents.
3. Further Assurances. From time to time after the Effective Date and subject to the terms and conditions of this Agreement, at the sole cost and expense of the Assignee, Assignor shall, and shall cause their respective subsidiaries to, take or cause to be taken such actions, as may reasonably be requested by the Assignee to carry out the purposes of this Agreement (including, without limitation, the execution and delivery of any and all affidavits, declarations, oaths, exhibits, assignments, powers of attorney and/or other agreements or documentation as may be reasonably required) and as may be reasonably requested by the Assignee to confirm, effect, record, perfect, register, patent or maintain, protect and enforce the rights assigned herein, including the execution and delivery of short-form intellectual property assignment agreements and such other documents as may be required.

Oscar - US Q1 2023 - Step 1.0.9 - IP Assignment Agreement (Pall Corp and CUSLLC)

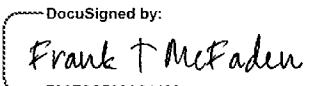
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IN WITNESS WHEREOF, Assignor and Assignee have caused this Assignment to be executed by their duly authorized representatives as of the Effective Date.

Pall Corporation

as Assignor

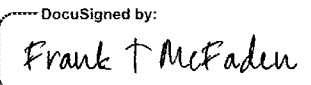
Signature: DocuSigned by:

798E8C539A84488...

Name: Frank McFaden

Title: Authorized Signatory

Cytiva US LLC

as Assignee

Signature: DocuSigned by:

798E8C539A84488...

Name: Frank McFaden

Title: Authorized Signatory

Oscar - US Q1 2023 - Step 1.0.9 - IP Assignment Agreement (Pall Corp and CUSLLC)

SCHEDULE A**PATENTS AND PATENT APPLICATIONS**

File #	Country Name	Date Filed	Application #	Publication Number	OPI Publication Date	Patent #	Grant Date
P1000-1260-CN01	China	09/30/2021	202111155651.4	CN114384046A	04/22/2022		
P1000-1260-EP01	European Patent Office	09/29/2021	21199729.1	3978907	04/06/2022		
P1000-1260-JP01	Japan	09/28/2021	2021-157658				
P1000-1260-SG01	Singapore	09/24/2021	10202110609P	1020211060	05/24/2022		
P1000-1260-US01	United States of America	10/02/2020	17/061,705				
P1000-1316-CN01	China	10/11/2021	202111179723.9	CN114348452A	04/15/2022		
P1000-1316-EP01	European Patent Office	09/17/2021	21197365.6	3988641	04/27/2022		
P1000-1316-JP01	Japan	09/21/2021	2021-153333	2022063851	04/22/2022		
P1000-1316-SG01	Singapore	09/16/2021	10202110206R	10202110206R	05/24/2022		
P1000-1316-US01	United States of America	10/12/2020	17/067,991	2022-0112740	04/14/2022		
P1000-2939-US01	United States of America	04/12/2002	10/123,074	03-0192826	10/16/2003	6811696	11/02/2004
P1000-2939-US03	United States of America	01/08/2004	10/753,931	20040145073	07/29/2004	6884375	04/26/2005
P1000-2963-US01	United States of America	01/06/2004	10/469,852	04-0094467	05/20/2004	7357866	04/15/2008
P1000-2963-US02	United States of America	03/25/2008	12/054,479	20080190837	08/14/2008	7731849	06/08/2010
P1000-3172-CH01	Switzerland	11/23/2007	11152307.2	2319610	05/11/2011	2319610	06/27/2012
P1000-3172-CH02	Switzerland	11/23/2007	07022737.6	1932580	06/18/2008	1932580	11/09/2011
P1000-3172-DE01	Germany	11/23/2007	07022737.6	1932580	06/18/2008	6020070 18558.0	11/09/2011
P1000-3172-DE02	Germany	11/23/2007	11152307.2	2319610	05/11/2011	6020070 23764.5	06/27/2012

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P1000-3172-GB01	United Kingdom	11/23/2007	11152307.2	2319610	05/11/2011	2319610	06/27/2012
P1000-3172-GB02	United Kingdom	11/23/2007	07022737.6	1932580	06/18/2008	1932580	11/09/2011
P1000-3172-US02	United States of America	12/10/2007	11/953,235	2008-0135468	06/12/2008	7976705	07/12/2011
P1000-3172-US03	United States of America	05/04/2011	13/100,314	20110203986	08/25/2011	8226827	07/24/2012
P1000-3184-BE01	Belgium	07/02/2009	09164370.0	2143987	01/13/2010	2143987	10/23/2013
P1000-3184-CH01	Switzerland	07/02/2009	09164370.0	2143987	01/13/2010	2143987	10/23/2013
P1000-3184-DE01	Germany	07/02/2009	09164370.0	2143987	01/13/2010	2143987	10/23/2013
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P1000-3184-US02	United States of America	05/10/2011	13/104,098	11-0209785	09/01/2011	8322756	12/04/2012
P1000-3191-CA01	Canada	09/08/2011	2,751,904	2751904	03/08/2012	2751904	01/06/2015
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P1000-3191-JP01	Japan	08/16/2011	2011-178020	2012057458	03/22/2012	5495394	03/14/2014
P1000-3191-KR01	Republic of Korea	09/07/2011	10-2011-0090842	20120026011	03/16/2012	1876398	07/03/2018
P1000-3191-KR02	Republic of Korea	04/29/2016	10-2016-0053589	20160055751	05/18/2016	1719613	03/20/2017
P1000-3191-SG01	Singapore	08/18/2011	201105950.8	179340	04/27/2012	179340	07/08/2016

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P1000-3191-US02	United States of America	08/25/2011	13/217,622	2012-0055886	03/08/2012	9745206	08/29/2017
P1000-3191-US03	United States of America	05/01/2017	15/583,277	2017-0239680	08/24/2017	9878921	01/30/2018
P1000-3203-BE01	Belgium	03/22/2008	08005404.2	2103548	09/23/2009	2103548	10/01/2014
P1000-3203-JP01	Japan	03/19/2009	2009-068636	2009227340	10/08/2009	5699386	02/27/2015
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P1000-3204-BE01	Belgium	03/22/2008	08005403.4	2103547	09/23/2009	2103547	03/20/2013
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P1000-3204-US01	United States of America	03/19/2009	12/406,985	09-0236338	09/24/2009	8556111	10/15/2013
P1000-3218-BE01	Belgium	08/29/2011	11179207.3	2428718	03/14/2012	2428718	12/04/2019
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P1000-3224-AU01	Australia	04/12/2013	2013204968	2013204968	01/09/2014	2013204 968	03/10/2016

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P1000-3224-DE01	Germany	04/24/2013	13165135.8	2671600	12/11/2013	6020130 17433.4	02/15/2017
P1000-3224-FR01	France	04/24/2013	13165135.8	2671600	12/11/2013	2671600	02/15/2017
P1000-3224-GB01	United Kingdom	04/24/2013	13165135.8	2671600	12/11/2013	2671600	02/15/2017
P1000-3224-IN01	India	04/15/2013	1125/DEL/2013	2013DE01125	02/13/2015	369178	06/13/2021
P1000-3224-IT01	Italy	04/24/2013	13165135.8	2671600	12/11/2013	5020170 0004994 0	02/15/2017
P1000-3224-JP01	Japan	04/12/2013	2013-083946	2013255780	12/26/2013	5671751	01/09/2015
P1000-3224-KR01	Republic of Korea	05/06/2013	10-2013- 0050707	20130138103	12/18/2013	1498138	02/25/2015
P1000-3224-SG01	Singapore	04/12/2013	201302774.3	195448	12/30/2013	195448	05/28/2015
P1000-3224-TW01	Taiwan	06/06/2013	102120090	201414831	04/16/2014	1493031	07/21/2015
P1000-3224-US01	United States of America	06/08/2012	13/491,897	2013-0327722	12/12/2013	9421317	08/23/2016
P1000-3225-BE01	Belgium	11/22/2011	11190057.7	2457641	05/30/2012	2457641	01/21/2015
P1000-3225-CH01	Switzerland	11/22/2011	11190057.7	2457641	05/30/2012	2457641	01/21/2015
P1000-3225-CN01	China	11/24/2011	201110463271. 7	102527138	07/04/2012	2011104 63271.7	11/25/2015
P1000-3225-DE01	Germany	11/22/2011	11190057.7	2457641	05/30/2012	6020110 13285.7	01/21/2015
P1000-3225-FR01	France	11/22/2011	11190057.7	2457641	05/30/2012	2457641	01/21/2015
P1000-3225-GB01	United Kingdom	11/22/2011	11190057.7	2457641	05/30/2012	2457641	01/21/2015
P1000-3225-IT01	Italy	11/22/2011	11190057.7	2457641	05/30/2012	5020150 0001185 2	01/21/2015
P1000-3225-JP01	Japan	11/24/2011	2011-256271	2012135756	07/19/2012	5278884	05/31/2013
P1000-3225-KR01	Republic of Korea	11/24/2011	10-2011- 0123828	20120056229	06/01/2012	1404984	06/02/2014
P1000-3225-NL01	Netherlands	11/22/2011	11190057.7	2457641	05/30/2012	2457641	01/21/2015
P1000-3225-SE01	Sweden	11/22/2011	11190057.7	2457641	05/30/2012	2457641	01/21/2015
P1000-3225-SG01	Singapore	11/22/2011	201108649.3	181265	06/28/2012	2011086 493	04/24/2015
P1000-3225-US01	United States of America	11/24/2010	12/954,118	2012-0125456	05/24/2012	8919385	12/30/2014
P1000-3228-AU01	Australia	06/04/2012	2012203289	2012203289	08/29/2013	2012203 289	12/12/2013

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P1000-3228-DE01	Germany	05/24/2012	12169242.0	2533044	12/12/2012	6020120 27292.9	01/04/2017
P1000-3228-FR01	France	05/24/2012	12169242.0	2533044	12/12/2012	2533044	01/04/2017
P1000-3228-GB01	United Kingdom	05/24/2012	12169242.0	2533044	12/12/2012	2533044	01/04/2017
P1000-3228-NZ01	New Zealand	05/30/2012	600343			600343	09/03/2013
P1000-3228-SG01	Singapore	05/29/2012	201203930.1	186549	01/30/2013	186549	10/11/2013
P1000-3228-US01	United States of America	06/06/2011	13/153,586	2012-0305500	12/06/2012	8440085	05/14/2013
P1000-3228-ZA01	South Africa	05/31/2012	2012/03998			2012/03 998	02/27/2013
P1000-3229-AT01	Austria	08/09/2012	12824066.0	2741836	06/18/2014	2741836	04/24/2019
P1000-3229-BE01	Belgium	08/09/2012	12824066.0	2741836	06/18/2014	2741836	04/24/2019
P1000-3229-CH01	Switzerland	08/09/2012	12824066.0	2741836	06/18/2014	2741836	04/24/2019
P1000-3229-CN01	China	08/09/2012	201280003217. 7	CN103153425A	06/12/2013	2012800 03217.7	09/02/2015
P1000-3229-DE01	Germany	08/09/2012	12824066.0	2741836	06/18/2014	6020120 59420.9	04/24/2019
P1000-3229-FR01	France	08/09/2012	12824066.0	2741836	06/18/2014	2741836	04/24/2019
P1000-3229-GB01	United Kingdom	08/09/2012	12824066.0	2741836	06/18/2014	2741836	04/24/2019
P1000-3229-IE01	Ireland	08/09/2012	12824066.0	2741836	06/18/2014	2741836	04/24/2019
P1000-3229-IT01	Italy	08/09/2012	12824066.0	2741836	06/18/2014	5020190 0005181 9	04/24/2019
P1000-3229-JP01	Japan	08/09/2012	2013-549624	2014-507269	03/27/2014	5927706	05/13/2016
P1000-3229-KR01	Republic of Korea	08/09/2012	10-2013- 7010269	20130096737	08/30/2013	1536769	07/08/2015
P1000-3229-NL01	Netherlands	08/09/2012	12824066.0	2741836	06/18/2014	2741836	04/24/2019
P1000-3229-SE01	Sweden	08/09/2012	12824066.0	2741836	06/18/2014	2741836	04/24/2019
P1000-3229-SG01	Singapore	08/09/2012	201301427.9	187966	04/30/2013	187966	05/29/2014
P1000-3229-SI01	Slovenia	08/09/2012	12824066.0	2741836	06/18/2014	2741836	04/24/2019
P1000-3229-US02	United States of America	08/09/2012	13/570,741	2013-0037486	02/14/2013	9795921	10/24/2017
P1000-3230-AU01	Australia	11/07/2012	2012247021	2012247021	05/30/2013	2012247 021	07/02/2015
P1000-3230-BR01	Brazil	11/09/2012	102012028793- 5	102012028793	03/03/2015	1020120 28793	12/15/2020

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P1000-3230-CN01	China	11/09/2012	201210599032.9	CN103121726A	05/29/2013	201210599032.9	01/14/2015
P1000-3230-EP01	European Patent Office	11/08/2012	12191765.2	2591846	05/15/2013		
P1000-3230-IN01	India	11/06/2012	3426/DEL/2012	2012DE03426	06/19/2015	346454	09/10/2020
P1000-3230-JP01	Japan	11/07/2012	2012-245647	2013103222	05/30/2013	5789855	08/14/2015
P1000-3230-SG01	Singapore	11/09/2012	201208296.2	190530	06/28/2013	190530	08/29/2016
P1000-3230-TW01	Taiwan	11/06/2012	101141108	I517897	02/01/2014	I517897	01/21/2016
P1000-3230-US01	United States of America	11/10/2011	13/293,586	2013-0118971	05/16/2013	9802161	10/31/2017
P1000-3231-BE01	Belgium	04/17/2012	12164403.3	2514499	10/24/2012	2514499	02/20/2019
P1000-3231-BE02	Belgium	04/17/2012	18204088.1	3466515	04/10/2019	3466515	12/09/2020
P1000-3231-BR01	Brazil	04/19/2012	102012009293-0	102012009293	06/04/2013	102012009293	12/15/2020
P1000-3231-CN01	China	04/19/2012	201210120570.5	CN102743911	10/24/2012	201210120570.5	09/02/2015
P1000-3231-DE01	Germany	04/17/2012	12164403.3	2514499	10/24/2012	602012056742.2	02/20/2019
P1000-3231-DE02	Germany	04/17/2012	18204088.1	3466515	04/10/2019	602012073707.7	12/09/2020
P1000-3231-FR01	France	04/17/2012	12164403.3	2514499	10/24/2012	2514499	02/20/2019
P1000-3231-FR02	France	04/17/2012	18204088.1	3466515	04/10/2019	3466515	12/09/2020
P1000-3231-GB01	United Kingdom	04/17/2012	12164403.3	2514499	10/24/2012	2514499	02/20/2019
P1000-3231-GB02	United Kingdom	04/17/2012	18204088.1	3466515	04/10/2019	3466515	12/09/2020
P1000-3231-IN01	India	04/10/2012	1093/DEL/2012			295316	03/30/2018
P1000-3231-IT01	Italy	04/17/2012	12164403.3	2514499	10/24/2012	50201900032312	02/20/2019
P1000-3231-IT02	Italy	04/17/2012	18204088.1	3466515	04/10/2019	502021000019394	12/09/2020
P1000-3231-JP01	Japan	04/10/2012	2012-089487	2012223756	11/15/2012	5518123	04/11/2014
P1000-3231-JP02	Japan	02/13/2014	2014-025620	2014128798	07/10/2014	6212757	09/29/2017
P1000-3231-JP03	Japan	04/15/2016	2016-082345	2016190235	11/10/2016	6236669	11/10/2017
P1000-3231-KR01	Republic of Korea	04/19/2012	10-2012-0041072	20120123642	11/09/2012	1575058	12/23/2015
P1000-3231-NL01	Netherlands	04/17/2012	12164403.3	2514499	10/24/2012	2514499	02/20/2019
P1000-3231-NL02	Netherlands	04/17/2012	18204088.1	3466515	04/10/2019	3466515	12/09/2020

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P1000-3231-SE01	Sweden	04/17/2012	18204088.1	3466515	04/10/2019	3466515	12/09/2020
P1000-3231-SG01	Singapore	04/10/2012	201202562.3	185211	11/29/2012	185211	09/08/2014
P1000-3231-US02	United States of America	03/20/2012	13/425,042	2012-0267302	10/25/2012	8980088	03/17/2015
P1000-3231-US03	United States of America	02/12/2015	14/620,274	2015-0151252	06/04/2015	9776139	10/03/2017
P1000-3238-AU01	Australia	04/19/2012	2012202281	2012202281	11/08/2012	2012202281	
P1000-3238-CN01	China	04/20/2012	201210118926.1	CN102747136A	10/24/2012		
P1000-3238-DE01	Germany	03/28/2012	12161815.1	2514829	10/24/2012	602012015093.9	03/02/2016
P1000-3238-FR01	France	03/28/2012	12161815.1	2514829	10/24/2012	2514829	03/02/2016
P1000-3238-GB01	United Kingdom	03/28/2012	12161815.1	2514829	10/24/2012	2514829	03/02/2016
P1000-3238-JP01	Japan	03/26/2012	2012-069848	2012223561	11/15/2012	5623454	10/03/2014
P1000-3238-NZ01	New Zealand	03/28/2012	599093			599093	07/02/2013
P1000-3238-SG01	Singapore	03/27/2012	201202195-2	185195	11/29/2012		
P1000-3238-TW01	Taiwan	04/18/2012	101113747	201245451	11/16/2012	1530563	04/21/2016
P1000-3239-AU01	Australia	03/28/2013	2013202115	2013202115	10/24/2013	2013202115	10/10/2014
P1000-3239-BE01	Belgium	03/11/2013	13158636.4	2674207	12/18/2013	2674207	05/15/2019
P1000-3239-CA01	Canada	03/27/2013	2,810,596	2810596	10/04/2013	2810596	09/15/2015
P1000-3239-DE01	Germany	03/11/2013	13158636.4	2674207	12/18/2013	602013055326.2	05/15/2019
P1000-3239-ES01	Spain	03/11/2013	13158636.4	2674207	12/18/2013	2674207	05/15/2019
P1000-3239-FR01	France	03/11/2013	13158636.4	2674207	12/18/2013	2674207	05/15/2019
P1000-3239-GB01	United Kingdom	03/11/2013	13158636.4	2674207	12/18/2013	2674207	05/15/2019
P1000-3239-IT01	Italy	03/11/2013	13158636.4	2674207	12/18/2013	502019000062787	05/15/2019
P1000-3239-JP01	Japan	03/29/2013	2013-072238	2013215724	10/24/2013	5577535	07/18/2014
P1000-3239-KR01	Republic of Korea	03/25/2013	10-2013-0031544	20130112749	10/14/2013	1460087	11/04/2014
P1000-3239-LU01	Luxembourg	03/11/2013	13158636.4	2674207	12/18/2013	2674207	05/15/2019
P1000-3239-NL01	Netherlands	03/11/2013	13158636.4	2674207	12/18/2013	2674207	05/15/2019
P1000-3239-SG01	Singapore	03/01/2013	201301546.6			193714	09/05/2014

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P1000-3239-TW01	Taiwan	04/02/2013	102111800	201404457	02/01/2014	I516305	01/11/2016
P1000-3243-BE01	Belgium	12/13/2012	12196956.2	2607474	06/26/2013	2607474	06/03/2020
P1000-3243-CN01	China	12/20/2012	201210599377.4	CN103194369A	07/10/2013	201210599377.4	03/25/2015
P1000-3243-DE01	Germany	12/13/2012	12196956.2	2607474	06/26/2013	602012070444.6	06/03/2020
P1000-3243-FR01	France	12/13/2012	12196956.2	2607474	06/26/2013	2607474	06/03/2020
P1000-3243-GB01	United Kingdom	12/13/2012	12196956.2	2607474	06/26/2013	2607474	06/03/2020
P1000-3243-IN01	India	12/11/2012	3806/DEL/2012			338329	06/11/2020
P1000-3243-IT01	Italy	12/13/2012	12196956.2	2607474	06/26/2013	502020000077533	06/03/2020
P1000-3243-JP01	Japan	12/12/2012	2012-271521	2013143937	07/25/2013	5663772	12/19/2014
P1000-3243-NL01	Netherlands	12/13/2012	12196956.2	2607474	06/26/2013	2607474	06/03/2020
P1000-3243-SE01	Sweden	12/13/2012	12196956.2	2607474	06/26/2013	2607474	06/03/2020
P1000-3243-SG01	Singapore	12/14/2012	201209230.0	191516	07/31/2013	201209230.0	04/20/2018
P1000-3243-US01	United States of America	12/20/2011	13/331,212	2013-0157355	06/20/2013	9228166	01/05/2016
P1000-3252-IN01	India	04/11/2014	1020/DEL/2014				
P1000-3252-JP01	Japan	05/14/2014	2014-100581	2014237125	12/18/2014	5909765	04/08/2016
P1000-3252-KR01	Republic of Korea	05/12/2014	10-2014-0056402	20140134614	11/24/2014	1678600	11/16/2016
P1000-3252-SG01	Singapore	04/09/2014	10201401356T	10201401356T	12/30/2014	10201401356T	05/15/2015
P1000-3299-AU01	Australia	08/29/2014	2014218456			2014218456	04/07/2016
P1000-3299-BE01	Belgium	08/25/2014	14182143.9	2889076	07/01/2015	2889076	04/07/2021
P1000-3299-CN01	China	08/29/2014	201410642682.6	104689728	06/10/2015	104689728	04/30/2019
P1000-3299-DE01	Germany	08/25/2014	14182143.9	2889076	07/01/2015	602014076317.0	04/07/2021
P1000-3299-FR01	France	08/25/2014	14182143.9	2889076	07/01/2015	2889076	04/07/2021
P1000-3299-GB01	United Kingdom	08/25/2014	14182143.9	2889076	07/01/2015	2889076	04/07/2021
P1000-3299-IT01	Italy	08/25/2014	14182143.9	2889076	07/01/2015	2889076	04/07/2021
P1000-3299-JP01	Japan	08/27/2014	2014-172454	2015110213	06/18/2015	5966173	07/15/2016
P1000-3299-KR01	Republic of Korea	08/29/2014	10-2014-0113924	20150065135	06/12/2015	1714609	03/03/2017

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P1000-3299-NL01	Netherlands	08/25/2014	14182143.9	2889076	07/01/2015	2889076	04/07/2021
P1000-3299-SE01	Sweden	08/25/2014	14182143.9	2889076	07/01/2015	2889076	04/07/2021
P1000-3299-SG01	Singapore	08/27/2014	10201405252.X	10201405252X	07/30/2015	10201405252.X	10/01/2015
P1000-3299-US01	United States of America	12/04/2013	14/096,289	2015-0152136	06/04/2015	10294267	05/21/2019
P1000-3301-CN01	China	05/14/2014	201410203000.1	104307384	01/28/2015	201410203000.1	08/08/2017
P1000-3301-DE01	Germany	05/07/2014	14167331.9	2803404	11/19/2014	602014002547.1	07/06/2016
P1000-3301-FR01	France	05/07/2014	14167331.9	2803404	11/19/2014	2803404	07/06/2016
P1000-3301-GB01	United Kingdom	05/07/2014	14167331.9	2803404	11/19/2014	2803404	07/06/2016
P1000-3301-IT01	Italy	05/07/2014	14167331.9	2803404	11/19/2014	50201600097135	07/06/2016
P1000-3301-JP01	Japan	05/14/2014	2014-100584	2014237126	12/18/2014	5909766	04/08/2016
P1000-3301-KR01	Republic of Korea	05/14/2014	10-2014-0057981	20140134632	11/24/2014	1678603	11/16/2016
P1000-3301-SG01	Singapore	04/09/2014	10201401357X	10201401357X		10201401357X	02/25/2015
P1000-3301-US01	United States of America	05/14/2013	13/894,210	2014-0339166	11/20/2014	9808770	11/07/2017
P1000-3304-CN01	China	06/30/2015	201510536472.3	CN105367778A	03/02/2016	201510536472.3	12/08/2017
P1000-3304-EP01	European Patent Office	06/17/2015	15172564.5	2963076	01/06/2016		
P1000-3304-JP01	Japan	06/19/2015	2015-123832	2016020493	02/04/2016	6080136	01/27/2017
P1000-3304-KR01	Republic of Korea	06/23/2015	10-2015-0089145	20160008101	01/21/2016	1726796	04/07/2017
P1000-3304-SG01	Singapore	06/17/2015	10201504770T	10201504770T	01/28/2016	10201504770T	08/14/2018
P1000-3304-US01	United States of America	06/30/2014	14/320,376	2015-0376341	12/31/2015	9718924	08/01/2017
P1000-3307-CH01	Switzerland	06/22/2015	15173202.1	2963077	01/06/2016	2963077	08/09/2017
P1000-3307-CN01	China	06/30/2015	201510521120.0	CN105315447A	02/10/2016	105315447	05/11/2018
P1000-3307-DE01	Germany	06/22/2015	15173202.1	2963077	01/06/2016	602015003974.2	08/09/2017
P1000-3307-DK01	Denmark	06/22/2015	15173202.1	2963077	01/06/2016	2963077	08/09/2017

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P1000-3307-ES01	Spain	06/22/2015	15173202.1	2963077	01/06/2016	2963077	08/09/2017
P1000-3307-FR01	France	06/22/2015	15173202.1	2963077	01/06/2016	2963077	08/09/2017
P1000-3307-GB01	United Kingdom	06/22/2015	15173202.1	2963077	01/06/2016	2963077	08/09/2017
P1000-3307-IE01	Ireland	06/22/2015	15173202.1	2963077	01/06/2016	2963077	08/09/2017
P1000-3307-IT01	Italy	06/22/2015	15173202.1	2963077	01/06/2016	5020170 0012038 8	08/09/2017
P1000-3307-JP01	Japan	06/16/2015	2015-121372	2016028130	02/25/2016	6137562	05/12/2017
P1000-3307-KR01	Republic of Korea	06/24/2015	10-2015- 0089525	20160002367	01/07/2016	1750951	06/20/2017
P1000-3307-NL01	Netherlands	06/22/2015	15173202.1	2963077	01/06/2016	2963077	08/09/2017
P1000-3307-SG01	Singapore	06/15/2015	10201504716U	10201504716U	01/28/2016	1020150 4716U	08/20/2018
P1000-3307-US01	United States of America	06/30/2014	14/320,343	2015-0376340	12/31/2015	9394407	07/19/2016
P1000-3323-BE01	Belgium	07/18/2014	14177659.1	2829598	01/28/2015	2829598	09/05/2018
P1000-3323-CN01	China	07/24/2014	201410466198.2	104344841	02/11/2015	2014104 66198.2	05/03/2017
P1000-3323-DE01	Germany	07/18/2014	14177659.1	2829598	01/28/2015	6020140 31648.4	09/05/2018
P1000-3323-FR01	France	07/18/2014	14177659.1	2829598	01/28/2015	2829598	09/05/2018
P1000-3323-GB01	United Kingdom	07/24/2013	14177659.1	2829598	02/18/2015	2829598	09/05/2018
P1000-3323-JP01	Japan	07/18/2014	2014-147806	2015037399	02/26/2015	5850376	12/11/2015
P1000-3323-NL01	Netherlands	07/24/2013	14177659.1	2829598	02/18/2015	2829598	09/05/2018
P1000-3323-SG01	Singapore	07/18/2014	10201404206P			1020140 4206P	08/17/2017
P1000-3323-US01	United States of America	07/24/2013	13/949,953	2015-0030514	01/29/2015	9410626	08/09/2016
P1000-3324-BE01	Belgium	11/26/2014	14195006.3	2883602	06/17/2015	2883602	05/11/2016
P1000-3324-CN01	China	11/28/2014	201410858180.7	104707495	06/17/2015	2014108 58180.7	08/15/2017
P1000-3324-DE01	Germany	11/26/2014	14195006.3	2883602	06/17/2015	6020140 01874.2	05/11/2016
P1000-3324-FR01	France	11/26/2014	14195006.3	2883602	06/17/2015	2883602	05/11/2016
P1000-3324-GB01	United Kingdom	11/26/2014	14195006.3	2883602	06/17/2015	2883602	05/11/2016
P1000-3324-JP01	Japan	11/27/2014	2014-240424	2015147206	08/20/2015	6106866	03/17/2017

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P1000-3324-NL01	Netherlands	11/26/2014	14195006.3	2883602	06/17/2015	2883602	05/11/2016
P1000-3324-SG01	Singapore	11/28/2014	10201407931S			10201407931S	07/30/2015
P1000-3324-US01	United States of America	12/16/2013	14/107,094	2015-0165399	06/18/2015	9248420	02/02/2016
P1000-3344-BE01	Belgium	11/26/2014	14195004.8	2889080	07/01/2015	2889080	03/07/2018
P1000-3344-CN01	China	11/28/2014	201410858398.2	104689741	06/10/2015	201410858398.2	03/29/2017
P1000-3344-DE01	Germany	11/26/2014	14195004.8	2889080	07/01/2015	602014021919.5	03/07/2018
P1000-3344-FR01	France	11/26/2014	14195004.8	2889080	07/01/2015	2889080	03/07/2018
P1000-3344-GB01	United Kingdom	11/26/2014	14195004.8	2889080	07/01/2015	2889080	03/07/2018
P1000-3344-JP01	Japan	11/27/2014	2014-240423	2015110223	06/18/2015	5935107	05/20/2016
P1000-3344-NL01	Netherlands	11/26/2014	14195004.8	2889080	07/01/2015	2889080	03/07/2018
P1000-3344-SG01	Singapore	11/28/2014	10201407929Q	10201407929Q	07/30/2015	10201407929Q	09/09/2015
P1000-3344-US01	United States of America	12/03/2013	14/094,925	2015-0151261	06/04/2015	9880067	01/30/2018
P1000-3346-DE01	Germany	08/12/2014	14180639.8	2868306	05/06/2015	602014033268.4	10/03/2018
P1000-3346-FR01	France	08/12/2014	14180639.8	2868306	05/06/2015	2868306	10/03/2018
P1000-3346-GB01	United Kingdom	08/12/2014	14180639.8	2868306	05/06/2015	2868306	10/03/2018
P1000-3346-IT01	Italy	08/12/2014	14180639.8	2868306	05/06/2015	50201800041734	10/03/2018
P1000-3346-US01	United States of America	10/31/2013	14/068,186	2015-0113919	04/30/2015	9346571	05/24/2016
P1000-3348-AU01	Australia	12/19/2014	2014277811	2014277811	09/24/2015	2014277811	12/22/2016
P1000-3348-BE01	Belgium	12/19/2014	14199146.3	2913301	09/02/2015	2913301	08/26/2020
P1000-3348-CN01	China	12/30/2014	201410858519.3	104876227	09/02/2015	201410858519.3	03/01/2019
P1000-3348-DE01	Germany	12/19/2014	14199146.3	2913301	09/02/2015	602014069354.7	08/26/2020
P1000-3348-FR01	France	12/19/2014	14199146.3	2913301	09/02/2015	2913301	08/26/2020
P1000-3348-GB01	United Kingdom	12/19/2014	14199146.3	2913301	09/02/2015	2913301	08/26/2020

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P1000-3348-IT01	Italy	12/19/2014	14199146.3	2913301	09/02/2015	5020200 0011037 9	08/26/2020
P1000-3348-JP01	Japan	12/22/2014	2014-258809	2015164890	09/17/2015	6014893	10/07/2016
P1000-3348-NL01	Netherlands	12/19/2014	14199146.3	2913301	09/02/2015	2913301	08/26/2020
P1000-3348-SE01	Sweden	12/19/2014	14199146.3	2913301	09/02/2015	2913301	08/26/2020
P1000-3348-SG01	Singapore	12/30/2014	10201408827V			1020140 8827V	05/14/2018
P1000-3348-US01	United States of America	02/28/2014	14/193,738	2015-0246818	09/03/2015	9309126	04/12/2016
P1000-3349-BE01	Belgium	01/29/2015	15153092.0	2913099	09/02/2015	2913099	10/27/2021
P1000-3349-CN01	China	01/30/2015	201510183813.3	104874303	09/02/2015	2015101 83813.3	09/26/2017
P1000-3349-DE01	Germany	01/29/2015	15153092.0	2913099	09/02/2015	6020150 74401.2	10/27/2021
P1000-3349-ES01	Spain	01/29/2015	15153092.0	2913099	09/02/2015	2913099	10/27/2021
P1000-3349-FR01	France	01/29/2015	15153092.0	2913099	09/02/2015	2913099	10/27/2021
P1000-3349-GB01	United Kingdom	01/29/2015	15153092.0	2913099	09/02/2015	2913099	10/27/2021
P1000-3349-IT01	Italy	01/29/2015	15153092.0	2913099	09/02/2015	2913099	10/27/2021
P1000-3349-JP01	Japan	01/29/2015	2015-015075	2015165010	09/17/2015	6171191	07/14/2017
P1000-3349-NL01	Netherlands	01/29/2015	15153092.0	2913099	09/02/2015	2913099	10/27/2021
P1000-3349-SE01	Sweden	01/29/2015	15153092.0	2913099	09/02/2015	2913099	10/27/2021
P1000-3349-US01	United States of America	02/28/2014	14/194,001	2015-0246326	09/03/2015	9764292	09/19/2017
P1000-3350-CN01	China	01/30/2015	201510183921.0	105457499	04/06/2016	2015101 83921.0	11/13/2018
P1000-3350-EP01	European Patent Office	01/28/2015	15152938.5	2913097	09/02/2015		
P1000-3350-JP02	Japan	03/21/2017	2017-054581	2017164743	09/21/2017	6351003	06/15/2018
P1000-3350-US01	United States of America	02/28/2014	14/193,784	2015-0246324	09/03/2015	9561473	02/07/2017
P1000-3351-AU01	Australia	12/18/2014	2014277784			2014277 784	08/04/2016
P1000-3351-CN01	China	12/31/2014	201410858523.X	104874297	09/02/2015	2014108 58523.X	07/07/2017
P1000-3351-EP01	European Patent Office	12/17/2014	14198509.3	2913094	09/02/2015		

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P1000-3351-JP01	Japan	12/18/2014	2014-256506	2015164718	09/17/2015	6069662	01/13/2017
P1000-3351-SG01	Singapore	12/17/2014	10201408445T			10201408445T	02/02/2018
P1000-3351-US01	United States of America	02/28/2014	14/193,745	2015-0246321	09/03/2015	9776142	10/03/2017
P1000-3352-AU01	Australia	12/18/2014	2014277783	2014277783	09/17/2015	2014277783	10/27/2016
P1000-3352-CN01	China	12/31/2014	201410858524.4	104877342	09/02/2015	201410858524.4	04/12/2017
P1000-3352-EP01	European Patent Office	12/19/2014	14199195.0	2913095	09/02/2015		
P1000-3352-JP01	Japan	12/18/2014	2014-256512	2015165006	09/17/2015	6014881	10/07/2016
P1000-3352-SG01	Singapore	12/17/2014	10201408447Y			10201408447Y	12/22/2015
P1000-3352-US01	United States of America	02/28/2014	14/193,843	2015-0246323	09/03/2015	9302228	04/05/2016
P1000-3353-CN01	China	01/30/2015	201510183814.8	104874304	09/02/2015	201510183814.8	09/26/2017
P1000-3353-EP01	European Patent Office	01/29/2015	15153098.7	2913100	09/02/2015		
P1000-3353-JP01	Japan	01/29/2015	2015-015077	2015164721	09/17/2015	6069667	01/13/2017
P1000-3353-US01	United States of America	02/28/2014	14/193,916	2015-0246328	09/03/2015	9610548	04/04/2017
P1000-3354-CH01	Switzerland	06/18/2015	15172714.6	2966109	01/13/2016	2966109	01/04/2017
P1000-3354-CN01	China	06/30/2015	201510536471.9	CN105218831A	01/06/2016	105218831	05/25/2018
P1000-3354-DE01	Germany	06/18/2015	15172714.6	2966109	01/13/2016	60201501206.2	01/04/2017
P1000-3354-DK01	Denmark	06/18/2015	15172714.6	2966109	01/13/2016	2966109	01/04/2017
P1000-3354-ES01	Spain	06/18/2015	15172714.6	2966109	01/13/2016	2966109	01/04/2017
P1000-3354-FR01	France	06/18/2015	15172714.6	2966109	01/13/2016	2966109	01/04/2017
P1000-3354-GB01	United Kingdom	06/18/2015	15172714.6	2966109	01/13/2016	2966109	01/04/2017
P1000-3354-IE01	Ireland	06/18/2015	15172714.6	2966109	01/13/2016	2966109	01/04/2017
P1000-3354-IT01	Italy	06/18/2015	15172714.6	2966109	01/13/2016	50201700035188	01/04/2017
P1000-3354-JP01	Japan	06/19/2015	2015-123839	2016029147	03/03/2016	6124159	04/14/2017

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P1000-3354-KR01	Republic of Korea	06/29/2015	10-2015-0091762	20160002385	01/07/2016	1745516	06/02/2017
P1000-3354-NL01	Netherlands	06/18/2015	15172714.6	2966109	01/13/2016	2966109	01/04/2017
P1000-3354-SG01	Singapore	06/17/2015	10201504772P	10201504772P	01/28/2016	10201504772P	01/02/2018
P1000-3354-US01	United States of America	06/30/2014	14/320,400	2015-0376342	12/31/2015	9260569	02/16/2016
P1000-3358-AU01	Australia	03/15/2017	2017201752	2017201752	10/19/2017	2017201752	12/02/2021
P1000-3358-BE01	Belgium	03/22/2017	17162257.4	3225895	10/04/2017	3225895	10/09/2019
P1000-3358-CA01	Canada	03/22/2017	2,961,688	2961688	09/30/2017	2961688	01/14/2020
P1000-3358-CN01	China	03/30/2017	201710213906.5	107269995	10/20/2017	ZL201710213906.5	09/06/2019
P1000-3358-DE01	Germany	03/22/2017	17162257.4	3225895	10/04/2017	3225895	10/09/2019
P1000-3358-FR01	France	03/22/2017	17162257.4	3225895	10/04/2017	3225895	10/09/2019
P1000-3358-GB01	United Kingdom	03/22/2017	17162257.4	3225895	10/04/2017	3225895	10/09/2019
P1000-3358-IN01	India	03/15/2017	201714008947	201714008947	10/13/2017		
P1000-3358-JP01	Japan	03/07/2017	2017-043132	2017180829	10/05/2017	6535902	06/14/2019
P1000-3358-KR01	Republic of Korea	03/29/2017	20170040134	20170113369	10/12/2017	1989140	06/07/2019
P1000-3358-NL01	Netherlands	03/22/2017	17162257.4	3225895	10/04/2017	3225895	10/09/2019
P1000-3358-SE01	Sweden	03/22/2017	17162257.4	3225895	10/04/2017	3225895	10/09/2019
P1000-3358-SG01	Singapore	03/09/2017	10201701914P	10201701914P	10/30/2017	10201701914P	07/06/2018
P1000-3358-US01	United States of America	03/30/2016	15/085,042	2017-0284584	10/05/2017	10247342	04/02/2019
P1000-3359-DE01	Germany	03/24/2010	10715974.1	2411135	02/01/2012	602010010537.7	09/25/2013
P1000-3359-GB01	United Kingdom	03/24/2010	10715974.1	2411135	02/01/2012	2411135	09/25/2013
P1000-3359-NL01	Netherlands	03/24/2010	10715974.1	2411135	02/01/2012	2411135	09/25/2013
P1000-3361-CN02	China	01/30/2015	201910508784.1	CN110124528A	08/16/2019		
P1000-3361-EP01	European Patent Office	01/28/2015	15152939.3	2913098	09/02/2015		
P1000-3361-JP02	Japan	03/21/2017	2017-054579	2017159295	09/14/2017	6351002	06/15/2018

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P1000-3361-US01	United States of America	02/28/2014	14/193,825	2015-0246325	09/03/2015	9737860	08/22/2017
P1000-3362-CN01	China	01/30/2015	201510183815.2	104906871	09/16/2015	201510183815.2	03/01/2017
P1000-3362-DE01	Germany	01/27/2015	602015077359.4	2913096	09/02/2015	602015077359.4	03/09/2022
P1000-3362-FR01	France	01/27/2015	15152688.6	2913096	09/02/2015	2913096	03/09/2022
P1000-3362-GB01	United Kingdom	01/27/2015	15152688.6	2913096	09/02/2015	2913096	03/09/2022
P1000-3362-IT01	Italy	01/27/2015	15152688.6	2913096	09/02/2015	2913096	03/09/2022
P1000-3362-JP01	Japan	01/29/2015	2015-015074	2015165009	09/17/2015	6051435	12/09/2016
P1000-3362-NL01	Netherlands	01/27/2015	15152688.6	2913096	09/02/2015	2913096	03/09/2022
P1000-3362-US01	United States of America	02/28/2014	14/194,066	2015-0246322	09/03/2015	9446355	09/20/2016
P1000-3363-CH01	Switzerland	06/22/2015	15173210.4	2977100	01/27/2016	2977100	07/29/2020
P1000-3363-CN01	China	06/30/2015	201510559541.2	CN105214525A	01/06/2016	105214525	05/11/2018
P1000-3363-DE01	Germany	06/22/2015	15173210.4	2977100	01/27/2016	2977100	07/29/2020
P1000-3363-DK01	Denmark	06/22/2015	15173210.4	2977100	01/27/2016	2977100	07/29/2020
P1000-3363-ES01	Spain	06/22/2015	15173210.4	2977100	01/27/2016	2977100	07/29/2020
P1000-3363-FR01	France	06/22/2015	15173210.4	2977100	01/27/2016	2977100	07/29/2020
P1000-3363-GB01	United Kingdom	06/22/2015	15173210.4	2977100	01/27/2016	2977100	07/29/2020
P1000-3363-IE01	Ireland	06/22/2015	15173210.4	2977100	01/27/2016	2977100	07/29/2020
P1000-3363-IT01	Italy	06/22/2015	15173210.4	2977100	01/27/2016	50202000095857	07/29/2020
P1000-3363-JP01	Japan	06/18/2015	2015-122989	2016020491	02/04/2016	5994182	09/02/2016
P1000-3363-KR01	Republic of Korea	06/29/2015	10-2015-0091999	20160002389	01/07/2016	1750978	06/20/2017
P1000-3363-NL01	Netherlands	06/22/2015	15173210.4	2977100	01/27/2016	2977100	07/29/2020
P1000-3363-SG01	Singapore	06/18/2015	10201504824W	10201504824W	01/28/2016	10201504824W	08/02/2018
P1000-3363-US01	United States of America	06/30/2014	14/320,437	2015-0376362	12/31/2015	9309367	04/12/2016
P1000-3366-AU01	Australia	12/18/2014	2014277780			2014277780	10/13/2016
P1000-3378-BE01	Belgium	12/16/2015	15200493.3	3061693	08/31/2016	3061693	02/14/2018

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P1000-3378-CN01	China	12/30/2015	201511020170.7	CN105923187A	09/07/2016	201511020170.7	05/15/2018
P1000-3378-DE01	Germany	12/16/2015	15200493.3	3061693	08/31/2016	60201508008.4	02/14/2018
P1000-3378-FR01	France	12/16/2015	15200493.3	3061693	08/31/2016	3061693	02/14/2018
P1000-3378-GB01	United Kingdom	12/16/2015	15200493.3	3061693	08/31/2016	3061693	02/14/2018
P1000-3378-IT01	Italy	12/16/2015	15200493.3	3061693	08/31/2016	50201800013429	02/14/2018
P1000-3378-JP01	Japan	12/16/2015	2015-245371	2016165444	09/15/2016	6273522	01/19/2018
P1000-3378-NL01	Netherlands	12/16/2015	15200493.3	3061693	08/31/2016	3061693	02/14/2018
P1000-3378-SG01	Singapore	12/17/2015	10201510381S	10201510381S	09/29/2016	10201510381S	09/05/2017
P1000-3378-US01	United States of America	02/27/2015	14/633,707	2016-0251098	09/01/2016	9663259	05/30/2017
P1000-3415-US03	United States of America	01/03/2022	17/566,091				
P1000-3456-CH01	Switzerland	06/17/2015	15172560.3	2962746	01/06/2016	2962746	04/29/2020
P1000-3456-CN01	China	06/30/2015	201510550846.7	CN105233714A	01/13/2016	201510550846.7	10/13/2017
P1000-3456-DE01	Germany	06/17/2015	15172560.3	2962746	01/06/2016	2962746	04/29/2020
P1000-3456-DK01	Denmark	06/17/2015	15172560.3	2962746	01/06/2016	2962746	04/29/2020
P1000-3456-ES01	Spain	06/17/2015	15172560.3	2962746	01/06/2016	2807594T3	04/29/2020
P1000-3456-FR01	France	06/17/2015	15172560.3	2962746	01/06/2016	2962746	04/29/2020
P1000-3456-GB01	United Kingdom	06/17/2015	15172560.3	2962746	01/06/2016	2962746	04/29/2020
P1000-3456-IE01	Ireland	06/17/2015	15172560.3	2962746	01/06/2016	2962746	04/29/2020
P1000-3456-IT01	Italy	06/17/2015	15172560.3	2962746	01/06/2016	50202000070147	04/29/2020
P1000-3456-JP01	Japan	06/19/2015	2015-123841	2016028808	03/03/2016	6071016	01/13/2017
P1000-3456-KR01	Republic of Korea	06/30/2015	10-2015-0092856	20160002403	01/07/2016	1750949	06/20/2017
P1000-3456-NL01	Netherlands	06/17/2015	15172560.3	2962746	01/06/2016	2962746	04/29/2020
P1000-3456-SE01	Sweden	06/17/2015	15172560.3	2962746	01/06/2016	2962746	04/29/2020
P1000-3456-SG01	Singapore	06/18/2015	10201504826P	10201504826P	01/28/2016	10201504826P	08/20/2018

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P1000-3456-US01	United States of America	06/30/2014	14/320,415	2015-0376364	12/31/2015	9303133	04/05/2016
P1000-3473-CH01	Switzerland	06/18/2015	15172666.8	2963078	01/06/2016	2963078	08/09/2017
P1000-3473-CN01	China	06/30/2015	201510528014.5	CN105218805A	01/06/2016	201510528014.5	04/13/2018
P1000-3473-DE01	Germany	06/18/2015	15172666.8	2963078	01/06/2016	602015003972.6	08/09/2017
P1000-3473-DK01	Denmark	06/18/2015	15172666.8	2963078	01/06/2016	2963078	08/09/2017
P1000-3473-ES01	Spain	06/18/2015	15172666.8	2963078	01/06/2016	2963078	08/09/2017
P1000-3473-FR01	France	06/18/2015	15172666.8	2963078	01/06/2016	2963078	08/09/2017
P1000-3473-GB01	United Kingdom	06/18/2015	15172666.8	2963078	01/06/2016	2963078	08/09/2017
P1000-3473-IE01	Ireland	06/18/2015	15172666.8	2963078	01/06/2016	2963078	08/09/2017
P1000-3473-IT01	Italy	06/18/2015	15172666.8	2963078	01/06/2016	502017000120383	08/09/2017
P1000-3473-JP01	Japan	06/18/2015	2015-122991	2016029146	03/03/2016	6124158	04/14/2017
P1000-3473-KR01	Republic of Korea	06/24/2015	10-2015-0089569	20160002368	01/07/2016	1760787	07/18/2017
P1000-3473-NL01	Netherlands	06/18/2015	15172666.8	2963078	01/06/2016	2963078	08/09/2017
P1000-3473-SG01	Singapore	06/18/2015	10201504820U	10201504820U	01/28/2016	10201504820U	09/16/2018
P1000-3473-US01	United States of America	06/30/2014	14/320,454	2015-0375181	12/31/2015	9962662	05/08/2018
P1000-3475-CN01	China	09/05/2017	201710788151.1	107824230	03/23/2018	ZL201710788151.1	06/05/2020
P1000-3475-US01	United States of America	09/15/2016	15/266,986	20180071731	03/15/2018	9931635	04/03/2018
P1000-3476-AU01	Australia	08/14/2017	2017213595	2017213595	03/01/2018	2017213595	10/21/2021
P1000-3476-BR01	Brazil	08/15/2017	102017017509-0			BR1020170175090	11/29/2022
P1000-3476-CA01	Canada	08/15/2017	2,976,504	2976504	02/15/2018	2976504	07/23/2019
P1000-3476-CN01	China	08/15/2017	201710694153.4	107759720	03/06/2018	ZL201710694153.4	05/28/2021
P1000-3476-EP01	European Patent Office	08/03/2017	17184752.8	3284759	02/21/2018		

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P1000-3476-JP01	Japan	08/08/2017	2017-153614	2018076479	05/17/2018	6458960	01/11/2019
P1000-3476-KR02	Republic of Korea	12/13/2018	2018-161339	2028584	09/27/2019	10-2028584	09/27/2019
P1000-3476-SG01	Singapore	08/08/2017	10201706490U	10201706490U	03/28/2018	10201706490U	10/29/2019
P1000-3476-TW01	Taiwan	08/07/2017	106126556	201815841	05/01/2018	1648296	01/21/2019
P1000-3476-US01	United States of America	08/15/2016	15/237,172	2018-0043313	02/15/2018	10471396	11/12/2019
P1000-3484-BE01	Belgium	02/19/2016	16156514.8	3081286	10/19/2016	3081286	12/04/2019
P1000-3484-CN01	China	02/29/2016	201610111705.X	CN106047657A	10/26/2016	106047657	06/19/2018
P1000-3484-DE01	Germany	02/19/2016	16156514.8	3081286	10/19/2016	602016025344.5	12/04/2019
P1000-3484-FR01	France	02/19/2016	16156514.8	3081286	10/19/2016	3081286	12/04/2019
P1000-3484-GB01	United Kingdom	02/19/2016	16156514.8	3081286	10/19/2016	3081286	12/04/2019
P1000-3484-IN01	India	02/19/2016	201614005914	201614005914	10/21/2016		
P1000-3484-JP01	Japan	02/22/2016	2016-031000	2016198086	12/01/2016	6212748	09/29/2017
P1000-3484-NL01	Netherlands	02/19/2016	16156514.8	3081286	10/19/2016	3081286	12/04/2019
P1000-3484-SE01	Sweden	02/19/2016	16156514.8	3081286	10/19/2016	3081286	12/04/2019
P1000-3484-US01	United States of America	04/14/2015	14/685,916	2016-0304822	10/20/2016	9714405	07/25/2017
P1000-3485-BE01	Belgium	02/19/2016	16156526.2	3081629	10/19/2016	3081629	08/30/2017
P1000-3485-CN01	China	02/29/2016	201610111742.0	CN106043888A	10/26/2016	201610111742.0	02/27/2018
P1000-3485-DE01	Germany	02/19/2016	16156526.2	3081629	10/19/2016	602016000302.3	08/30/2017
P1000-3485-FR01	France	02/19/2016	16156526.2	3081629	10/19/2016	3081629	08/30/2017
P1000-3485-GB01	United Kingdom	02/19/2016	16156526.2	3081629	10/19/2016	3081629	08/30/2017
P1000-3485-IN01	India	02/18/2016	201614005723	201614005723	10/21/2016		
P1000-3485-IT01	Italy	02/19/2016	16156526.2	3081629	10/19/2016	502017000130828	08/30/2017
P1000-3485-JP01	Japan	02/22/2016	2016-031003	2016198087	12/01/2016	6101953	03/10/2017
P1000-3485-NL01	Netherlands	02/19/2016	16156526.2	3081629	10/19/2016	3081629	08/30/2017
P1000-3485-US01	United States of America	04/14/2015	14/685,748	2016-0303567	10/20/2016	9687852	06/27/2017

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P1000-3486-BE01	Belgium	02/19/2016	16156536.1	3081630	10/19/2016	3081630	01/24/2018
P1000-3486-CN01	China	02/29/2016	201610111613.1	106040055A	10/26/2016	106040055	06/12/2018
P1000-3486-DE01	Germany	02/19/2016	16156536.1	3081630	10/19/2016	602016001413.0	01/24/2018
P1000-3486-FR01	France	02/19/2016	16156536.1	3081630	10/19/2016	3081630	01/24/2018
P1000-3486-GB01	United Kingdom	02/19/2016	16156536.1	3081630	10/19/2016	3081630	01/24/2018
P1000-3486-IN01	India	02/18/2016	201614005688	201614005688	10/14/2016		
P1000-3486-JP01	Japan	02/22/2016	2016-031004	2016203161	12/08/2016	6159961	06/23/2017
P1000-3486-NL01	Netherlands	02/19/2016	16156536.1	3081630	10/19/2016	3081630	01/24/2018
P1000-3486-US01	United States of America	04/13/2015	14/684,705	2016-0296897	10/13/2016	9878295	01/30/2018
P1000-3486-US02	United States of America	11/30/2017	15/827,280	2018-0078911	03/22/2018	10441927	10/15/2019
P1000-3489-AU01	Australia	09/08/2017	2017225101	2017225101	04/05/2018	2017225101	
P1000-3489-BR01	Brazil	09/15/2017	102017019848-0				
P1000-3489-CA01	Canada	09/15/2017	2,979,462	2979462	03/16/2018	2979462	01/12/2021
P1000-3489-CN02	China	09/13/2017	202210931818.X	115181325	10/14/2022		
P1000-3489-EP01	European Patent Office	08/25/2017	17187921.6	3296011	03/21/2018		
P1000-3489-JP01	Japan	08/09/2017	2017-154355	2018070860	05/10/2018	6548173	07/05/2019
P1000-3489-KR02	Republic of Korea	09/01/2017	2019-44973			10-2142571	08/03/2020
P1000-3489-SG01	Singapore	08/10/2017	10201706549W	10201706549W	04/27/2018	10201706549W	10/25/2019
P1000-3489-TW01	Taiwan	08/07/2017	106126566	201813984	04/16/2018	1648295	01/21/2019
P1000-3489-US01	United States of America	09/16/2016	15/267,652	20180078908	03/22/2018	10130918	11/20/2018
P1000-3497-AU01	Australia	10/16/2017	2017245475	2017245475	06/28/2018	2017245475	02/28/2019
P1000-3497-BE01	Belgium	11/03/2017	17199909.7	3333560	06/13/2018	3333560	12/25/2019
P1000-3497-CN01	China	11/07/2017	201711081510.6	108168803	06/15/2018	ZL201711081510.6	12/10/2019

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P1000-3497-DE01	Germany	11/03/2017	17199909.7	3333560	06/13/2018	6020170 10053.6	12/25/2019
P1000-3497-FR01	France	11/03/2017	17199909.7	3333560	06/13/2018	3333560	12/25/2019
P1000-3497-GB01	United Kingdom	11/03/2017	17199909.7	3333560	06/13/2018	3333560	12/25/2019
P1000-3497-IE01	Ireland	11/03/2017	17199909.7	3333560	06/13/2018	3333560	12/25/2019
P1000-3497-IT01	Italy	11/03/2017	17199909.7	3333560	06/13/2018	5020200 0002224 6	12/25/2019
P1000-3497-JP01	Japan	10/12/2017	2017-198529	2018096975	06/21/2018	6561359	08/02/2019
P1000-3497-KR01	Republic of Korea	11/17/2017	20170153827	20180065894	06/18/2018	1954929	02/27/2019
P1000-3497-NL01	Netherlands	11/03/2017	17199909.7	3333560	06/13/2018	3333560	12/25/2019
P1000-3497-SE01	Sweden	11/03/2017	17199909.7	3333560	06/13/2018	3333560	12/25/2019
P1000-3497-US01	United States of America	12/08/2016	15/372,595	2018-0164180	06/14/2018	1042271 6	09/24/2019
P1000-3498-AU01	Australia	04/28/2016	2016202721			2016202 721	06/11/2020
P1000-3498-CN01	China	04/29/2016	201610490969. 0	CN106422818A	02/22/2017	2016104 90969.0	09/10/2019
P1000-3498-DE01	Germany	04/26/2016	16167135.9	3108955	12/28/2016	6020160 00999.4	12/06/2017
P1000-3498-FR01	France	04/26/2016	16167135.9	3108955	12/28/2016	3108955	12/06/2017
P1000-3498-GB01	United Kingdom	04/26/2016	16167135.9	3108955	12/28/2016	3108955	12/06/2017
P1000-3498-IT01	Italy	04/26/2016	16167135.9	3108955	12/28/2016	5020180 0000687 2	12/06/2017
P1000-3498-JP01	Japan	04/26/2016	2016-088420	2017052928	03/16/2017	6217995	10/06/2017
P1000-3498-KR01	Republic of Korea	04/28/2016	10-2016- 0051975	20170001565	01/04/2017	1811820	12/18/2017
P1000-3498-SG01	Singapore	04/25/2016	10201603247R	10201603247R	01/27/2017	1020160 3247R	09/10/2020
P1000-3498-TW01	Taiwan	04/25/2016	105112789	201709971	03/16/2017	1638682	10/21/2018
P1000-3498-US01	United States of America	06/25/2015	14/750,382	2016-0375409	12/29/2016	9724649	08/08/2017
P1000-3499-AU01	Australia	04/28/2016	2016202722			2016202 722	02/04/2021
P1000-3499-BE01	Belgium	04/28/2016	16167504.6	3108956	12/28/2016	3108956	02/17/2021

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P1000-3499-CN01	China	04/29/2016	201610490968.6	CN106422817A	02/22/2017	ZL201610490968.6	06/05/2020
P1000-3499-DE01	Germany	04/28/2016	16167504.6	3108956	12/28/2016	602016052455.4	02/17/2021
P1000-3499-FR01	France	04/28/2016	16167504.6	3108956	12/28/2016	3108956	02/17/2021
P1000-3499-GB01	United Kingdom	04/28/2016	16167504.6	3108956	12/28/2016	3108956	02/17/2021
P1000-3499-IT01	Italy	04/28/2016	16167504.6	3108956	12/28/2016	502021000037349	02/17/2021
P1000-3499-JP01	Japan	04/26/2016	2016-088422	2017061670	03/30/2017	6304722	03/16/2018
P1000-3499-KR01	Republic of Korea	04/28/2016	2016-52068	1970703	08/27/2019	10-1970703	04/15/2019
P1000-3499-NL01	Netherlands	04/28/2016	16167504.6	3108956	12/28/2016	3108956	02/17/2021
P1000-3499-SG01	Singapore	04/25/2016	10201603254S	10201603254S	01/27/2017	10201603254S	11/28/2019
P1000-3499-TW01	Taiwan	04/25/2016	105112790	201706342	02/16/2017	1648319	01/21/2019
P1000-3499-US01	United States of America	06/25/2015	14/750,443	2016-0375412	12/29/2016	10239023	03/26/2019
P1000-3503-AU01	Australia	05/28/2018	2018203721	2018203721	12/20/2018	2018203721	08/22/2019
P1000-3503-CN01	China	06/01/2018	201810553127.4	CN108980364A	12/11/2018	ZL201810553127.4	08/04/2020
P1000-3503-DE01	Germany	05/23/2018	18173922.8	3409985	12/05/2018	602018002806.4	03/04/2020
P1000-3503-FR01	France	05/23/2018	18173922.8	3409985	12/05/2018	3409985	03/04/2020
P1000-3503-GB01	United Kingdom	05/23/2018	18173922.8	3409985	12/05/2018	3409985	03/04/2020
P1000-3503-IN01	India	05/07/2018	201814017074				
P1000-3503-JP01	Japan	05/08/2018	2018-089959	2018204789	12/27/2018	6657511	02/10/2020
P1000-3503-KR01	Republic of Korea	06/01/2018	20180063293	20180131985	12/11/2018	2039956	10/29/2019
P1000-3503-NL01	Netherlands	05/23/2018	18173922.8	3409985	12/05/2018	3409985	03/04/2020
P1000-3503-SE01	Sweden	05/23/2018	18173922.8	3409985	12/05/2018	3409985	03/04/2020
P1000-3503-SG01	Singapore	05/08/2018	10201803854V	10201803854V	01/30/2019	10201803854V	11/15/2019
P1000-3503-TW01	Taiwan	05/15/2018	107116456	201903311	01/16/2019	1670438	09/01/2019

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P1000-3503-US01	United States of America	06/01/2017	15/610,901	2018-0347709	12/06/2018	10234042	03/19/2019
P1000-3508-AU01	Australia	01/25/2017	2017200496	2017200496	08/24/2017	2017200496	06/10/2021
P1000-3508-BE01	Belgium	01/11/2017	17151017.5	3202484	08/09/2017	3202484	05/06/2020
P1000-3508-CA01	Canada	01/31/2017	2,956,615	2956615	08/04/2017	2956615	07/07/2020
P1000-3508-CN01	China	01/26/2017	201710056870.4	107029556	08/11/2017	ZL201710056870.4	03/03/2020
P1000-3508-DE01	Germany	01/11/2017	17151017.5	3202484	08/09/2017	3202484	05/06/2020
P1000-3508-FR01	France	01/11/2017	17151017.5	3202484	08/09/2017	3202484	05/06/2020
P1000-3508-GB01	United Kingdom	01/11/2017	17151017.5	3202484	08/09/2017	3202484	05/06/2020
P1000-3508-IT01	Italy	01/11/2017	17151017.5	3202484	08/09/2017	50202000072937	05/06/2020
P1000-3508-JP01	Japan	01/12/2017	2017-003672	2017200691	11/09/2017	6402375	09/21/2018
P1000-3508-KR01	Republic of Korea	01/31/2017	10-2017-0013716	20170093070	08/14/2017	1917663	11/06/2018
P1000-3508-NL01	Netherlands	01/11/2017	17151017.5	3202484	08/09/2017	3202484	05/06/2020
P1000-3508-SE01	Sweden	01/11/2017	17151017.5	3202484	08/09/2017	3202484	05/06/2020
P1000-3508-SG01	Singapore	01/18/2017	10201700425W	10201700425W	09/28/2017	10201700425W	02/28/2018
P1000-3508-US01	United States of America	02/04/2016	15/015,350	2017-0225123	08/10/2017	10183108	01/22/2019
P1000-3509-CA01	Canada	08/11/2017	2,975,832	2975832	02/11/2018	2975832	02/23/2021
P1000-3509-CN01	China	08/11/2017	201710682890.2	107725812	02/23/2018	ZL201710682890.2	02/11/2020
P1000-3509-DE01	Germany	08/09/2017	17185577.8	3282160	02/14/2018	3282160	01/06/2021
P1000-3509-FR01	France	08/09/2017	17185577.8	3282160	02/14/2018	3282160	01/06/2021
P1000-3509-GB01	United Kingdom	08/09/2017	17185577.8	3282160	02/14/2018	3282160	01/06/2021
P1000-3509-IT01	Italy	08/09/2017	17185577.8	3282160	02/14/2018	50202100025853	01/06/2021
P1000-3509-JP01	Japan	08/04/2017	2017-151750	2018035938	03/08/2018	6594380	10/04/2019
P1000-3509-SG01	Singapore	08/10/2017	10201706547P	10201706547P	03/28/2018	10201706547P	01/08/2020

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P1000-3509-US01	United States of America	08/11/2016	15/234,811	20180045322	02/15/2018	11156298	10/26/2021
P1000-3509-US02	United States of America	10/25/2021	17/509,624	20220042608	02/10/2022		
P1000-3510-AU01	Australia	08/14/2017	2017213592	2017213592	03/01/2018	2017213592	10/21/2021
P1000-3510-BR01	Brazil	08/15/2017	102017017506-5	102017017506	03/06/2018		
P1000-3510-CA01	Canada	08/15/2017	2,976,508	2976508	02/15/2018	2976508	09/17/2019
P1000-3510-CN01	China	08/15/2017	201710694151.5	107759753	03/06/2018	ZL201710694151.5	05/28/2021
P1000-3510-EP01	European Patent Office	08/03/2017	17184750.2	3284529	02/21/2018		
P1000-3510-JP01	Japan	08/08/2017	2017-153616	2018070859	05/10/2018	6458961	01/11/2019
P1000-3510-KR01	Republic of Korea	08/14/2017	20170103059	20180019059	02/23/2018	2065159	01/06/2020
P1000-3510-SG01	Singapore	08/08/2017	10201706492V	10201706492V	03/28/2018	10201706492V	10/15/2019
P1000-3510-TW01	Taiwan	08/07/2017	106126555	201815852	05/01/2018	1651334	02/21/2019
P1000-3510-US01	United States of America	08/15/2016	15/237,192	2018-0043314	02/15/2018	10576431	03/03/2020
P1000-3517-AU01	Australia	07/16/2018	2018206698	2018206698	02/07/2019	2018206698	10/03/2019
P1000-3517-BE01	Belgium	07/13/2018	18183483.9	3431169	01/23/2019	3431169	10/07/2020
P1000-3517-CN01	China	07/19/2018	201810795546.9	109279682	01/29/2019	ZL201810795546.9	12/14/2021
P1000-3517-DE01	Germany	07/13/2018	18183483.9	3431169	01/23/2019	602018008425.8	10/07/2020
P1000-3517-FR01	France	07/13/2018	18183483.9	3431169	01/23/2019	3431169	10/07/2020
P1000-3517-GB01	United Kingdom	07/13/2018	18183483.9	3431169	01/23/2019	3431169	10/07/2020
P1000-3517-IN01	India	07/16/2018	201814026421	201814026421	01/25/2019		
P1000-3517-IT01	Italy	07/13/2018	18183483.9	3431169	01/23/2019	50202000121373	10/07/2020
P1000-3517-JP01	Japan	07/13/2018	2018-133340	2019037971	03/14/2019	6578537	09/06/2019
P1000-3517-KR01	Republic of Korea	07/18/2018	20180083726	20190009718	01/29/2019	2057712	12/13/2019

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P1000-3517-NL01	Netherlands	07/13/2018	18183483.9	3431169	01/23/2019	3431169	10/07/2020
P1000-3517-SE01	Sweden	07/13/2018	18183483.9	3431169	01/23/2019	3431169	10/07/2020
P1000-3517-SG01	Singapore	07/13/2018	10201806032W	10201806032W	02/27/2019	10201806032W	02/09/2020
P1000-3517-US01	United States of America	07/19/2017	15/654,204	2019-0022593	01/24/2019	10350550	07/16/2019
P1000-3518-AU01	Australia	12/03/2019	2019275541	2019275541	06/25/2020	2019275541	03/25/2021
P1000-3518-CA01	Canada	12/04/2019	3063656	3063656	06/10/2020	3063656	04/05/2022
P1000-3518-CN01	China	12/10/2019	201911254646	CN111282501A	06/16/2020	ZL201911254646.1	03/04/2022
P1000-3518-EP01	European Patent Office	11/29/2019	19212617.5	3666374	06/17/2020		
P1000-3518-JP01	Japan	11/27/2019	2019-214182	2020116565	08/06/2020	6932889	08/23/2021
P1000-3518-KR01	Republic of Korea	12/10/2019	20190164014	20200071683	06/19/2020	2418422	07/04/2022
P1000-3518-SG01	Singapore	11/25/2019	10201911111V	10201911111V	07/29/2020	20191011111V	04/21/2021
P1000-3518-US01	United States of America	12/10/2018	16/214,395	2020-0179885	06/11/2020	11065589	07/20/2021
P1000-3532-CN01	China	08/30/2019	201910814292.5	110871039	03/10/2020	ZL201910814292.5	02/08/2022
P1000-3532-EP01	European Patent Office	08/23/2019	19193329.0	3617257	03/04/2020		
P1000-3532-IL01	Israel	08/29/2019	269014	269014	03/31/2020		
P1000-3532-JP01	Japan	08/05/2019	2019-143897	2020037100	03/12/2020	7027673	02/21/2022
P1000-3532-KR01	Republic of Korea	08/27/2019	20190105078	20200026098	03/10/2020	2239146	04/06/2021
P1000-3532-SG01	Singapore	08/08/2019	10201907374S	10201907374S	03/30/2020		
P1000-3532-TW01	Taiwan	08/28/2019	108130816	202015793	05/01/2020	I753293	01/21/2022
P1000-3532-US01	United States of America	08/31/2018	16/119,557	2020-0070140	03/05/2020	10737259	08/11/2020
P1001-8743-CN01	China	04/12/2021	202110391863.6	CN113533636A	10/22/2021		
P1001-8743-JP01	Japan	03/17/2021	2021-043851				
P1001-8743-KR01	Republic of Korea	04/15/2021	2021-49492	2021-128933	10/27/2021		

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P1001-8743-SG01	Singapore	04/05/2021	10202103456R	10202103456R	11/29/2021
P1001-8743-US01	European Patent Office	04/17/2020	20170154.7	3895798	10/20/2021
P1001-8743-US03	United States of America	04/14/2021	17/230,264	2021-0325212	10/21/2021
P1001-8825-AU01	Australia	06/23/2021	2021204234	2021204234	01/20/2022
P1001-8825-CA01	Canada	06/22/2021	3122838	3122838	12/23/2021
P1001-8825-CN01	China	06/23/2021	202110695213. 0	CN113828048A	12/24/2021
P1001-8825-EP01	European Patent Office	06/22/2021	21180709.4	2017201752	12/29/2021
P1001-8825-JP01	Japan	06/22/2021	2021-103209	2022002840	01/11/2022
P1001-8825-KR01	Republic of Korea	06/23/2021	20210081642	10-2021- 0158352	12/30/2021
P1001-8825-SG01	Singapore	06/22/2021	10202106781R		01/28/2022
P1001-8825-US01	United States of America	06/23/2020	16/909,239	2021- 0394094	12/23/2021
P1001-8992-CN01	China	07/25/2022	202210874511. 0		
P1001-8992-EP01	European Patent Office	06/24/2022	22 180 991.6		
P1001-8992-JP01	Japan	06/28/2022	2022-103539		
P1001-8992-KR01	Republic of Korea	07/18/2022	2022-88474		
P1001-8992-SG01	Singapore	06/26/2022	10202250327B		
P1001-8992-US01	United States of America	07/26/2021	17/385,399		
P1001-8998-AU01	Australia	07/26/2021	2021209154	2021209154	02/17/2022
P1001-8998-CA01	Canada	06/09/2021	3121677	3121677	01/29/2022
P1001-8998-CN01	China	06/23/2021	202110695454. 5	CN114058596A	02/18/2022
P1001-8998-EP01	European Patent Office	05/26/2021	21175929.5	3945134	02/02/2022
P1001-8998-JP01	Japan	05/25/2021	2021-087531	2022027465	02/10/2022
P1001-8998-KR01	Republic of Korea	07/27/2021	2021-98755	2022-14851	02/07/2022
P1001-8998-SG01	Singapore	06/14/2021	10202106365Y		02/25/2022

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P1001-8998-US01	United States of America	07/29/2020	16/942,156	2022-0033782	02/03/2022		
P1001-9005-EP01	European Patent Office	11/14/2022	22207267				
P1001-9005-JP01	Japan	11/14/2022	2022-181993				
P1001-9005-SG01	Singapore	11/10/2022	10202260039X				
P1001-9005-US01	United States of America	12/28/2021	17/563,790				
P1001-9014-US01	United States of America	12/30/2021	63/295,483				
P1001-9014-US02	United States of America	09/30/2022	17/934,962				
P2019-0084-BE01	Belgium	04/20/2020	20200170417	3747527		3747527	07/27/2022
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P2019-0084-DE01	Germany	04/20/2020	20200170417	3747527		3747527	07/27/2022
P2019-0084-FR01	France	04/20/2020	20200170417	3747527		3747527	07/27/2022
P2019-0084-GB01	United Kingdom	04/20/2020	20200170417	3747527		3747527	07/27/2022
P2019-0084-IT01	Italy	04/20/2020	20200170417	3747527	12/09/2020	50202200066804	07/27/2022
P2019-0084-JP01	Japan	04/10/2020	20200071048	2020199497	12/17/2020	7005837	01/11/2022
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P2019-0114-AU01	Australia	11/19/2020	2020273305	2020273305	07/15/2021	2020273305	02/17/2022
P2019-0114-CA01	Canada	11/19/2020	3100029	3100029	06/27/2021	3100029	06/14/2022
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P2019-0114-JP01	Japan	11/18/2020	2020-191763	2021107074	07/29/2021	7069464	05/10/2022
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P2019-0114-US01	United States of America	12/27/2019	16/728,286	20210197103	07/01/2021	11173434	11/16/2021
P2019-0601-AU01	Australia	10/29/2020	2020260466			2020260466	11/25/2021
P2019-0601-BR01	Brazil	12/21/2020	BR1020200263030				
P2019-0601-CA01	Canada	11/17/2020	3099511				
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P2019-0601-JP01	Japan	10/01/2020	2020-167108			7095205	06/24/2022
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P2019-0601-SG01	Singapore	10/12/2020	10202010078R			10202010078R	01/25/2022
P2019-0601-US01	United States of America	12/23/2019	16/724,728	2021-0187457	06/24/2021		
P2019-0602-AU01	Australia	12/22/2020	2020294183			2020294183	01/27/2022
P2019-0602-BR01	Brazil	12/21/2020	BR1020200262696				
P2019-0602-CA01	Canada	11/17/2020	3099502				
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P2019-0602-JP01	Japan	10/01/2020	2020-167106	2021098189	07/01/2021	7095204	06/27/2022
P2019-0602-KR01	Republic of Korea	11/09/2020	2020-149066				
P2019-0602-SG01	Singapore	10/05/2020	10202009863W			10202009863W	12/02/2021
P2019-0602-US01	United States of America	12/23/2019	16/724,539	2021-0187456	06/24/2021	11504682	11/22/2022

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P2020-0001-AU01	Australia	11/19/2020	2020273303	2020273303	07/15/2021	2020273303	04/07/2022
P2020-0001-CA01	Canada	11/19/2020	3099985	3099985	06/27/2021	3099985	07/26/2022
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P2020-0001-DE01	Germany	11/17/2020	20208006.5	3842116		3842116	11/16/2022
P2020-0001-FR01	France	11/17/2020	20208006.5	3842116		3842116	11/16/2022
P2020-0001-GB01	United Kingdom	11/17/2020	20208006.5	3842116		3842116	11/16/2022
P2020-0001-IT01	Italy	11/17/2020	20208006.5	3842116		3842116	11/16/2022
P2020-0001-JP01	Japan	11/17/2020	2020-191015	2021107072	07/29/2021	7069457	05/10/2022
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P2020-0001-SG01	Singapore	12/01/2020	10202011968Q				
P2020-0001-US01	United States of America	12/27/2019	16/728,298	2021-0197107	07/01/2021	11498023	11/15/2022
P2020-0002-AU01	Australia	11/19/2020	2020273304	2020273304	07/15/2021	2020273304	01/13/2022
P2020-0002-BE02	Belgium	11/23/2020	20209281.3	3842118		3842118	10/26/2022
P2020-0002-CA01	Canada	11/19/2020	3099981	3099981	06/27/2021	3099981	11/15/2022
P2020-0002-CN01	China	12/25/2020	202011559766.5	CN113041712A	06/29/2021	ZL202011559766.5	07/05/2022
P2020-0002-DE02	Germany	11/23/2020	20209281.3	3842118		602020005874.5	10/26/2022
P2020-0002-EP01	European Patent Office	11/23/2020	20209281.3	3842118	06/30/2021	3842118	10/26/2022
P2020-0002-FR02	France	11/23/2020	20209281.3	3842118		3842118	10/26/2022
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P2020-0002-KR01	Republic of Korea	12/24/2020	2020-183656		07/07/2021		
P2020-0002-NL02	Netherlands	11/23/2020	20209281.3	3842118		3842118	10/26/2022
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P2020-0002-SG01	Singapore	12/01/2020	10202011982Q			10202011982Q	10/03/2022

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P2020-0002-US01	United States of America	12/27/2019	16/728,312	2021-0197104	07/01/2021	11148083	10/19/2021
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P2020-0003-CA01	Canada	11/18/2020	3099573	3099573	06/27/2021		
P2020-0003-CN01	China	12/25/2020	202011557812.8	CN113041711A	06/29/2021	ZL202011557812.8	10/14/2022
P2020-0003-EP01	European Patent Office	11/17/2020	20208012.3	3842117	06/30/2021		
P2020-0003-JP01	Japan	11/17/2020	2020-191022	2021107073	07/29/2021	7069463	05/10/2022
P2020-0003-KR01	Republic of Korea	12/24/2020	2020-183005		07/07/2011		
P2020-0003-SG01	Singapore	12/09/2020	10202012303W				
P2020-0003-US01	United States of America	12/27/2019	16/728,321	2021-0197108	07/01/2021	11498024	11/15/2022
P2020-0004-CN01	China	12/31/2020	202011614630.X	CN113120383A	07/16/2021		
P2020-0004-EP01	European Patent Office	12/23/2020	20216876.1	3845627	07/07/2021		
P2020-0004-JP01	Japan	12/24/2020	2020-215380	2021136995	09/16/2021	7092438	06/20/2022
P2020-0004-KR01	Republic of Korea	12/31/2020	2020-189699		07/08/2021		
P2020-0004-SG01	Singapore	12/30/2020	10202013221V				
P2020-0004-US02	United States of America	12/18/2020	17/127,042	20210199484	07/01/2021		
P2020-0005-CN01	China	12/31/2020	202011617602.3	CN113120384A	07/16/2021		
P2020-0005-EP01	European Patent Office	12/23/2020	20216970.2	3845628	07/07/2021		
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P2020-0005-KR01	Republic of Korea	12/31/2020	2020-189413		07/08/2021		
P2020-0005-SG01	Singapore	12/30/2020	10202013201P				
P2020-0005-US02	United States of America	12/18/2020	17/127,070	20210197142	07/01/2021		

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P2020-0006-CN01	China	12/18/2020	202080075817.9				
P2020-0006-EP01	European Patent Office	12/18/2020	EP20842808.6	4085127			
P2020-0006-JP01	Japan	12/18/2020	2022-535926				
P2020-0006-KR01	Republic of Korea	12/18/2020	2022-7013326	20220066362	05/24/2022		
P2020-0006-SG01	Singapore	12/18/2020	11202202037T				
P2020-0006-US02	United States of America	12/18/2020	17/127,138	20210197189	07/01/2021		
P2020-0007-CN01	China	12/31/2020	202011623536.0	CN113117543A	07/16/2021		
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P2020-0007-JP01	Japan	12/24/2020	2020-215387	2021110740	08/02/2021	7071489	05/10/2022
P2020-0007-KR01	Republic of Korea	12/31/2020	2020-189589		07/08/2021		
P2020-0007-SG01	Singapore	12/30/2020	10202013222W				
P2020-0007-US02	United States of America	12/18/2020	17/127,178	20210199679	07/01/2021		
P2020-0232-CN01	China	03/26/2021	202110323284.8	113446436	09/28/2021	ZL202110323284.8	07/29/2022
P2020-0232-EP01	European Patent Office	02/25/2021	21159253.0	3885619	09/29/2021		
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P2020-0232-SG01	Singapore	03/03/2021	10202102214X				
P2020-0232-US01	United States of America	03/27/2020	16/832,586	2021-0301949	09/30/2021	11384869	07/12/2022
P2020-0233-CN01	China	03/26/2021	202110323079.1	113446437	09/28/2021		
P2020-0233-EP01	European Patent Office	02/25/2021	21159290.2	3885620	10/01/2021		
P2020-0233-JP01	Japan	02/24/2021	2021-027355				
P2020-0233-KR01	Republic of Korea	03/26/2021	2021-39922	2021-120909	10/07/2021		
P2020-0233-SG01	Singapore	03/27/2020	SG10202102214				

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P2020-0233-US01	United States of America	03/27/2020	16/832,616	2021-0301962	09/30/2021	1151954 1	12/06/2022
P2020-0297-CN01	China	08/08/2022	202210941697. 7				
P2020-0297-EP01	European Patent Office	06/28/2022	22181662.2				
P2020-0297-JP01	Japan	07/01/2022	2022-107254				
P2020-0297-KR01	Republic of Korea	09/30/2022	2022-125150				
P2020-0297-SG01	Singapore	07/04/2022	10202250362E				
P2020-0297-US01	United States of America	10/06/2021	17/495,598				
P2020-0322-US01	United States of America	10/07/2022	18/045,082				
P2020-0352-AU01	Australia	05/12/2021	2021203009				
P2020-0352-CA01	Canada	06/04/2021	3121069				
P2020-0352-CN01	China	06/02/2021	202110612509. 1		12/07/2021		
P2020-0352-EP01	European Patent Office	05/20/2021	21174901.5	3919173	12/08/2021		
P2020-0352-JP01	Japan	05/13/2021	2021-081673				
P2020-0352-KR01	Republic of Korea	06/04/2021	2021-72715		12/14/2021		
P2020-0352-US01	United States of America	06/05/2020	16/893,593	2021-0379583	12/09/2021	1150471 6	11/22/2022
P2020-0671-CN01	China	11/03/2022	TBD				
P2020-0671-EP01	European Patent Office	10/10/2022	22200657.9				
P2020-0671-JP01	Japan	10/11/2022	2022-163023				
P2020-0671-SG01	Singapore	10/12/2022	10202251359E				
P2020-0671-US01	United States of America	11/04/2021	17/519,112				
P2020-0692-CN01	China	07/27/2022	202210889016. 7				
P2020-0692-EP01	European Patent Office	06/24/2022	22180996.5				
P2020-0692-JP01	Japan	06/28/2022	2022-103758				

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P2020-0692-KR01	Republic of Korea	07/19/2022	2022-89223
P2020-0692-SG01	Singapore	07/13/2022	10202250450B
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P2021-0109-CN01	China	11/10/2022	202211401968.6
P2021-0109-EP01	European Patent Office	10/11/2022	22200893.0
P2021-0109-IN01	India	10/07/2022	202214057457
P2021-0109-JP01	Japan	10/11/2022	2022-163025
P2021-0109-SG01	Singapore	10/12/2022	10202251362Y
P2021-0109-US01	United States of America	12/22/2021	17/559,078
P2021-0205-US01	United States of America	04/15/2022	17/721,451
P2021-0217-US01	United States of America	03/31/2022	63/362,085
P2021-0470-US01	United States of America	12/31/2021	63/295,833
P2021-0470-US03	United States of America	10/04/2022	17/937,870
P2021-0484-US01	United States of America	12/31/2021	63/295,830
P2021-0484-US02	United States of America	10/03/2022	17/937,690
P2021-0691-US01	United States of America	12/30/2021	63/295,490
P2021-0691-US02	United States of America	09/30/2022	17/934,962
P2021-0888-EP01	European Patent Office	11/08/2022	22207457.7
P2021-0888-EP02	European Patent Office	11/14/2022	22207300.9
P2021-0888-JP01	Japan	11/14/2022	2022-181741

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P2021-0888-JP02	Japan	11/14/2022	2022-181744
P2021-0888-SG01	Singapore	11/10/2022	10202260043V
P2021-0888-SG02	Singapore	11/10/2022	10202260042P
P2021-0888-US01	United States of America	12/28/2021	17/563,842
P2021-0888-US02	United States of America	12/28/2021	17/563,880
P2022-1665-IN01	India	08/19/2022	202211047354