

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

Assignment ID: PATI515372

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
FG Innovation Company Limited	07/19/2024
RECEIVING PARTY DATA	
Company Name:	SHARP KABUSHIKI KAISHA
Street Address:	1, Takumi-cho, Sakai-ku
City:	Sakai-Shi, Osaka
State/Country:	JAPAN
Postal Code:	590-8522
PROPERTY NUMBERS Total: 50	
Property Type	Number
Application Number:	16831665
Application Number:	16745360
Application Number:	16446399
Application Number:	16246056
Application Number:	16535479
Application Number:	16856578
Application Number:	17091582
Application Number:	16589507
Application Number:	16992501
Application Number:	17000179
Application Number:	16898429
Application Number:	16818884
Application Number:	16863963
Application Number:	16833132
Application Number:	17073995
Application Number:	16446402
Application Number:	16791789
Application Number:	17107213
Application Number:	16988498
Application Number:	17033125

PATENT

Property Type	Number
Application Number:	17065244
Application Number:	16405268
Application Number:	17036697
Application Number:	16865046
Application Number:	16537414
Application Number:	16992526
Application Number:	16529054
Application Number:	16198898
Application Number:	17070389
Application Number:	17091602
Application Number:	16937394
Application Number:	17144733
Application Number:	17091618
Application Number:	17212379
Application Number:	16986184
Application Number:	17033086
Application Number:	17091626
Application Number:	17113800
Application Number:	17356832
Application Number:	17084598
Application Number:	17227360
Application Number:	17225440
Application Number:	17093030
Application Number:	17150933
Application Number:	17351672
Application Number:	17217123
Application Number:	17586079
Application Number:	16938792
Application Number:	16936296
Application Number:	17038417

CORRESPONDENCE DATA

Fax Number: 2134261788

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: (213)426-1771

Email: eoa-proce@scienbizip.com, eoa-procc@scienbizippc.com

Correspondent Name: Calvin H Chai

Address Line 1: 550 S. Hope Street, Suite 2825

Address Line 4: Los Angeles, CALIFORNIA 90071

[illegible]

source=240719 Patent Assignment Agreement for 5G FGI Patents (Fully signed)#page92.tiff
source=240719 Patent Assignment Agreement for 5G FGI Patents (Fully signed)#page93.tiff
source=240719 Patent Assignment Agreement for 5G FGI Patents (Fully signed)#page94.tiff
source=240719 Patent Assignment Agreement for 5G FGI Patents (Fully signed)#page95.tiff
source=240719 Patent Assignment Agreement for 5G FGI Patents (Fully signed)#page96.tiff
source=240719 Patent Assignment Agreement for 5G FGI Patents (Fully signed)#page97.tiff

PATENT ASSIGNMENT AGREEMENT

This PATENT ASSIGNMENT AGREEMENT (this "Agreement") coming into force upon July 19, 2024 (the "Effective Date") is between: (i) FG Innovation Company Limited, a Hong Kong company having its principal place of business at Flat 2623, 26/F, Tuen Mun Central Square, 22 Hoi Wing Road, Tuen Mun, New Territories, Hong Kong ("Assignor"); and (ii) Sharp Kabushiki Kaisha (also known as Sharp Corporation), a corporation duly incorporated and existing under the laws of Japan having a principal office at 1 Takumi-cho, Sakai-ku, Sakai-shi, Osaka 590-8522, Japan ("Assignee").

WITNESSETH:

WHEREAS, Assignor own the patents and patent applications identified on the Schedule 1 attached hereto (collectively, the "Assigned Patents") and now wish to assign all right, title, and interest in and to the Assigned Patent to Assignee as set forth below.

NOW, THEREFORE, in consideration of the foregoing and the mutual promises and agreements contained in this Agreement, and for other good and valuable consideration the receipt and sufficiency of which are hereby acknowledged, the parties hereby agree as follows:

- 1. Assignment.** Assignor hereby transfers, assigns, and conveys to Assignee, as of the Effective Date, all right, title, and interest throughout the world (under any and all laws and in any and all jurisdictions) in and to all of the Assigned Patents, in each case, subject to all Existing Encumbrances (as defined below) and License Back to Assignor (as in paragraph 4 below). Subject to the foregoing, each of the Assigned Patents will hereafter be for Assignee's own use and enjoyment, and for the use and enjoyment of Assignee's successors and assigns, as fully and entirely as the same would have been held and enjoyed by the Assignor if this Agreement had not been made. The foregoing assignment includes, without limitation, the rights to (a) register or apply in all countries and regions for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for the Assigned Patents; (b) prosecute, maintain, and defend the Assigned Patents before any public or private agency, office or registrar including by filing reissues, reexaminations, divisions, continuations, continuations-in-part, substitutes, extensions and all other applications and post issue proceedings included in the Assigned Patents; (c) claim priority based on the filing dates of any of the Assigned Patents under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, the Paris Convention, and all other treaties of like purposes; and (d) sue and recover damages or other compensation for past, present, or future infringements of the Assigned Patents, the right to sue and obtain equitable relief, including injunctive relief, in respect of such infringements, and the right to fully and entirely stand in the place of the Assignor in all matters related to the Assigned Patents. As used in this Agreement, "Existing Encumbrances" means, in relation to the Assigned Patents, all licenses, covenants not to sue or assert, covenants to exhaust remedies, and commitments to license (such as commitments to license on FRAND or RAND terms), including any of the foregoing that results from a commitment or undertaking provided to one or more standards organizations, in each case that are binding on Assignor as of the Effective Date of this Agreement.
- 2. Authorization.** Assignor also hereby expressly authorizes the patent office or governmental agency in each and every jurisdiction worldwide (including the Commissioner of Patents and Trademarks in the United States Patent and Trademark Office, and the corresponding entities or agencies in any applicable foreign countries or multinational authorities) (the "Applicable IP Offices") to: (a) issue any and all patents or certificates of invention or equivalent which may be granted upon any of the Assigned Patents in the name of Assignee, as the assignee to the Assignor's interest therein; and (b) record Assignee as the assignee of the Assigned Patents and to deliver to Assignee, and to Assignee's attorneys, agents, successors or assigns, all official documents and communications as may be warranted by this Agreement.



MT

3. **Further Assurances.** Each party hereby agrees to execute and deliver to the other party all necessary documents and take all necessary actions reasonably requested by such party from time to time to confirm or effect the assignments set forth in this Agreement, or otherwise to carry out the purposes of this Agreement, including, without limitation, by providing executed originals of short-form assignment agreements entered into by Assignor and Assignee on the Effective Date for filing or otherwise evidencing the assignments set forth in this Agreement with the Applicable IP Offices; provided, however, that nothing herein will obligate Assignor to incur any cost or pay any expense in connection therewith.
4. **License Back to Hon Hai.** Assignee hereby grants to Hon Hai Precision Industry Co., Ltd., having its principal place of business at 2 Tzu Yu Street, Tu-Cheng District, New Taipei City 23606 Taiwan ("Hon Hai") and each of its subsidiaries (but only for as long as it remains a subsidiary of Hon Hai) an irrevocable, perpetual, non-exclusive, worldwide, royalty-free, non-sublicensable, non-assignable (except as permitted in this section), and fully paid-up license, under the Assigned Patents, in all fields to: (a) use, develop, make, have made, sell, offer to sell, import, lease, and otherwise exploit any products branded with a brand or trademark owned by Hon Hai; (b) use any method or process in manufacturing any product and use and perform any such method or process; and (c) otherwise practice the inventions claimed in the Assigned Patents in every manner. The foregoing license granted to Hon Hai and each of its subsidiaries may be assigned, in whole or in part, to a successor to a substantial portion of business of Hon Hai, as a result of and based on the consummation of a transaction (or integrated series of transactions) involving a spin-off, divestiture, or reorganization of such business by means of (i) a distribution of shares to Hon Hai's then-existing shareholders, (ii) an initial public offering of voting securities, (iii) an internal reorganization that does not involve any third party, or (iv) a combination of the immediately preceding clauses (i), (ii) and (iii) above, provided that such assignee or successor agrees to be bound to all of the terms and conditions of this Agreement.
5. **Representations and Warranties.** Assignor represents and warrants to Assignee that (i) Assignor has the full right and power to assign each Assigned Patent to Assignee; and (ii) each Assigned Patent is free and clear of all security interests and other liens.
6. **Governing Law.** This Agreement will be governed by and construed and interpreted in accordance with the laws of the State of New York regardless of choice of law principles, as to all matters, including matters of validity, construction, effect, enforceability, performance and remedies and in respect of the statute of limitations or any other limitations period applicable to any claim, controversy or dispute.
7. **General Provisions.** This Agreement may be executed in any number of counterparts, each of which will be deemed to be an original, and all of which together will constitute one and the same instrument. Delivery of an executed counterpart of a signature page to this Agreement by facsimile or electronic mail will be as effective as delivery of a manually executed counterpart of this Agreement. This Agreement may not be supplemented, altered, or modified in any manner except by a writing signed by all parties hereto. The failure of any party to enforce any term or provision of this Agreement will not waive any of its rights under such term or provision.

[Signature page follows]



MT

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

Assignor:

By: Jung Yi Lin
Name: Jung Yi Lin
Title: Chairman, FG Innovation Company Limited

Assignee:

By: Mototaka Taneya
Name: Mototaka Taneya
Title: Senior Executive Managing Officer
Chief Technical Officer
Head of Next Innovation Group
Sharp Kabushiki Kaisha
(also known as Sharp Corporation)



MT

Schedule 1: List of the Assigned Patents (5G FGI Patents)

No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
1	83062	CN	201780031870.7	CN109565905B	2037/05/23
1	83062	EP	EP17802146.5		2022/02/28
1	83062	US	62/339967		
1	83062	US	15/602938	10568136	2023/05/26
1	83062	WO	PCT/CN2017/085523		
2	83793	US	62/377193		
3	84920	US	62/398702		
4	85450	US	62/405593		
4	85450	US	15/726682		2019/02/25
5	88020	CN	201880006123.2	CN110419231B	2038/01/05
5	88020	EP	EP18736706.5		2023/09/28
5	88020	ID	PID201903701		
5	88020	MX	MX/a/2019/008035	MX402933B	2038/01/05
5	88020	US	62/442807		
5	88020	US	15/863033	US11265829B2	2038/01/05
5	88020	VN	1-2019-04196	VN10037861B	2038/01/05
5	88020	WO	PCT/CN2018/071532		
6	88023	CN	201780079249.8	CN110622564B	2037/12/21
6	88023	EP	EP17884026.0		2022/10/25
6	88023	US	62/437200		
6	88023	US	15/849808	US10638373B2	2037/12/21
6	88023	WO	PCT/CN2017/117716		
7	88156	US	62/446496		
7	88156	US	15/871127	US10524246B2	2038/01/24
7	88156	US	16/676322		2020/11/10
8	90311	US	62/456745		
8	90311	US	15/893386		2019/09/24
9	90840	CN	201880021281.5	CN110832927B	2038/03/30
9	90840	DE	18780460.4	602018058738.1	2038/03/30
9	90840	EP	EP18780460.4	EP3607792B1	2038/03/30
9	90840	FR	18780460.4	EP3607792B1	2038/03/30
9	90840	GB	18780460.4	EP3607792B1	2038/03/30
9	90840	ID	P00201909633		
9	90840	MX	MX/a/2019/011641		2023/06/13
9	90840	US	62/480515		
9	90840	US	15/942552	11665556	2038/04/01
9	90840	VN	1-2019-05699		
9	90840	WO	PCT/CN2018/081306		
10	97515	US	62/505946		
10	97515	US	15/978532	11212701	2038/08/15
11	106698	CN	201880034589.3	CN110679179B	2038/06/01
11	106698	EP	EP18809460.1		



MT

No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
11	106698	US	62/514200		
11	106698	US	15/996401	11240720	2038/06/01
11	106698	US	17/554214	11838820	2038/06/01
11	106698	WO	PCT/CN2018/089629		
12	106724	US	62/519392		
12	106724	US	16/008356	US10993128B2	2039/04/06
12	106724	WO	PCT/CN2018/091365		
13	106890	US	62/517196		
13	106890	US	16/001911	US10749920B2	2038/12/27
13	106890	WO	PCT/CN2018/090305		
14	107748	CN	201880039830.1	CN110771082B	2038/06/22
14	107748	EP	EP18821471.2		
14	107748	US	62/523367		
14	107748	US	16/015229	US10728878B2	2038/06/22
14	107748	US	16/900808		2022/06/21
14	107748	US	17/867002	11838897	2038/06/22
14	107748	WO	PCT/CN2018/092417		
15	107881	CN	201880046071.1	CN111096012B	2038/07/13
15	107881	EP	EP18832307.5		
15	107881	US	62/532582		
15	107881	US	16/034795	US10623209B2	2038/07/13
15	107881	US	16/805095	US11128495B2	2038/07/13
15	107881	WO	PCT/CN2018/095634		
16	108088	US	62/533300		
16	108088	US	16/036961		2019/09/16
16	108088	WO	PCT/CN2018/095925		
17	108091	US	62/536549		
17	108091	US	16/044527	US10820271B2	2038/07/25
18	109484	CN	201880064359.1	CN111567094B	2038/10/05
18	109484	DE	18864280.5	602018040154.7	2038/10/05
18	109484	EP	EP18864280.5	EP3692744B1	2038/10/05
18	109484	EP	EP22186358.2		2023/05/23
18	109484	EP	EP23177619.6		
18	109484	FR	18864280.5	EP3692744B1	2038/10/05
18	109484	GB	18864280.5	EP3692744B1	2038/10/05
18	109484	ID	P00202002692	IDP000090935B	2038/10/05
18	109484	IT	18864280.5	502022000073368	2038/10/05
18	109484	MX	MX/a/2020/003264		2023/06/23
18	109484	TR	18864280.5	2022/015264	2038/10/05
18	109484	TW	107135174	I701966	2038/10/04
18	109484	US	62/568900		
18	109484	US	16/153705	US11147078B2	2038/10/06
18	109484	US	17/469163		2023/05/01
18	109484	US	18/200783		
18	109484	VN	1-2020-02500		



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
18	109484	WO	PCT/CN2018/109249		
19	109756	CN	201880063807.6	CN111165020B	2038/10/06
19	109756	EP	EP18864568.3		
19	109756	ID	P00202002120		
19	109756	MX	MX/a/2020/003263		2023/08/29
19	109756	TW	107135406	I701957	2038/10/07
19	109756	US	62/568885		
19	109756	US	16/153748	US10849052B2	2038/10/06
19	109756	US	17/070389	11523330	2038/10/06
19	109756	VN	1-2020-01918	VN10037504B	2038/10/06
19	109756	WO	PCT/CN2018/109251		
20	109798	CN	201980007739.6	CN111567093B	2039/01/11
20	109798	DE	19738004.1	602019043591.6	2039/01/11
20	109798	EP	EP19738004.1	EP3738347B1	2039/01/11
20	109798	FR	19738004.1	EP3738347B1	2039/01/11
20	109798	GB	19738004.1	EP3738347B1	2039/01/11
20	109798	IN	202047033638	538376	2039/01/11
20	109798	JP	特願 2020-538554		2021/09/10
20	109798	JP	特願 2021-163015	特許 7325485	2039/01/11
20	109798	KR	10-2020-7022130	KR102329591B1	2039/01/11
20	109798	US	62/616785		
20	109798	US	16/246056	11272417	2039/01/11
20	109798	US	17/583827		
20	109798	WO	PCT/CN2019/071282		
21	109871	US	62/581851		
21	109871	US	16/181368	10728778	2023/09/21
22	110048	CN	201880068409.3	CN111316706B	2038/11/14
22	110048	DE	18877460.8	602018038590.8	2038/11/14
22	110048	EP	EP18877460.8	EP3711371B1	2038/11/14
22	110048	FR	18877460.8	EP3711371B1	2038/11/14
22	110048	GB	18877460.8	EP3711371B1	2038/11/14
22	110048	ID	P00202004065	IDP000086024B	2038/11/14
22	110048	IN	202047023999	481008	2038/11/14
22	110048	JP	特願 2020-526513	特許 7146915	2038/11/14
22	110048	KR	10-2020-7014196	KR102386153B1	2038/11/14
22	110048	MX	MX/a/2020/004753	MX407726B	2038/11/14
22	110048	US	62/585607		
22	110048	US	16/190502	US10728909B2	2038/11/14
22	110048	US	16/896143	11197302	2038/11/14
22	110048	US	17/518347	11737130	2038/11/14
22	110048	VN	1-2020-02664		
22	110048	WO	PCT/CN2018/115424		
23	110460	CN	201880068549.0	CN111357387B	2038/11/23
23	110460	DE	18880877.8	602018045616.3	2038/11/23
23	110460	EP	EP18880877.8	EP3718370B1	2038/11/23



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
23	110460	EP	EP22203919.0		
23	110460	FR	18880877.8	EP3718370B1	2038/11/23
23	110460	GB	18880877.8	EP3718370B1	2038/11/23
23	110460	ID	P00202002466		
23	110460	IN	202047026445	453326	2038/11/23
23	110460	JP	特願 2020-528307	特許 6995995	2038/11/23
23	110460	KR	10-2020-7015649	KR102341704B1	2038/11/23
23	110460	MX	MX/a/2020/004881		2023/09/26
23	110460	PL	18880877.8	EP3718370B1	2038/11/23
23	110460	TR	18880877.8	2023/001349	2038/11/23
23	110460	US	62/590708		
23	110460	US	16/198795	US11032866B2	2038/11/23
23	110460	US	17/227362	12028925	2039/11/29
23	110460	VN	1-2020-03173		
23	110460	WO	PCT/CN2018/117171		
24	110461	CN	201880074120.2	CN111345103B	2038/11/22
24	110461	DE	18881169.9	602018047106.5	2038/11/22
24	110461	EP	EP18881169.9	EP3714655B1	2038/11/22
24	110461	EP	EP23152410.9		
24	110461	ES	18881169.9	EP3714655B1	2038/11/22
24	110461	FR	18881169.9	EP3714655B1	2038/11/22
24	110461	GB	18881169.9	EP3714655B1	2038/11/22
24	110461	ID	P00202003776	IDP000091245B	2038/11/22
24	110461	IN	202047024892	487591	2038/11/22
24	110461	JP	特願 2020-527931	特許 7165732	2038/11/22
24	110461	JP	特願 2022-169601		2023/12/08
24	110461	KR	10-2020-7015063	KR102330649B1	2038/11/22
24	110461	MX	MX/a/2020/004752	MX407725B	2038/11/22
24	110461	NL	18881169.9	EP3714655B1	2038/11/22
24	110461	PL	18881169.9	EP3714655B1	2038/11/22
24	110461	TR	18881169.9	2023/005467	2038/11/22
24	110461	TW	107141754	I728281	2038/11/21
24	110461	US	62/589628		
24	110461	US	16/198837	US11115156B2	2038/11/22
24	110461	US	17/365246	11764906	2039/05/05
24	110461	VN	1-2020-03093		
24	110461	WO	PCT/CN2018/117044		
25	110462	CN	201880072207.6	CN111357356B	2038/11/13
25	110462	DE	18881402.4	602018045617.1	2038/11/13
25	110462	DK	18881402.4	EP3714650B1	2038/11/13
25	110462	EP	EP18881402.4	EP3714650B1	2038/11/13
25	110462	EP	EP22211219.5		2023/08/19
25	110462	FR	18881402.4	EP3714650B1	2038/11/13
25	110462	GB	18881402.4	EP3714650B1	2038/11/13
25	110462	ID	P00202004068	IDP000086025B	2038/11/13



MT

No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
25	110462	IN	202047025682	519356	2038/11/13
25	110462	IT	18881402.4	502023000017562	2038/11/13
25	110462	JP	特願 2020-528465	特許 7028974	2038/11/13
25	110462	KR	10-2020-7015064	KR102366648B1	2038/11/13
25	110462	MX	MX/a/2020/004754		2023/08/29
25	110462	TW	107140291	I672958	2038/11/12
25	110462	US	62/590382		
25	110462	US	16/190159	US11006362B2	2038/12/15
25	110462	US	17/212379	11564168	2038/12/15
25	110462	VN	1-2020-02890		
25	110462	WO	PCT/CN2018/115276		
26	110463	CN	201880072448.0	CN111386745B	2038/11/23
26	110463	CN	202310986793.8		
26	110463	DE	18880739.0	602018043490.9	2038/11/23
26	110463	EP	EP18880739.0	EP3714654B1	2038/11/23
26	110463	FR	18880739.0	EP3714654B1	2038/11/23
26	110463	GB	18880739.0	EP3714654B1	2038/11/23
26	110463	ID	P00202002316		
26	110463	MX	MX/a/2020/004751		2023/08/29
26	110463	TW	107141818	I735823	2038/11/22
26	110463	US	62/590381		
26	110463	US	16/198898	11496937	2038/11/23
26	110463	US	17/957595	11991576	2038/11/23
26	110463	VN	1-2020-02984		2023/10/26
26	110463	WO	PCT/CN2018/117174		
27	111760	CN	201980007291.8	CN111566970B	2039/01/09
27	111760	DE	19738851.5	602019025867.4	2039/01/09
27	111760	EP	EP19738851.5	EP3738249B1	2039/01/09
27	111760	EP	EP22216553.2		
27	111760	FR	19738851.5	EP3738249B1	2039/01/09
27	111760	GB	19738851.5	EP3738249B1	2039/01/09
27	111760	ID	P00202004588		2023/09/26
27	111760	MX	MX/a/2020/006362		2023/09/26
27	111760	NL	19738851.5	EP3738249B1	2039/01/09
27	111760	SE	19738851.5	EP3738249B1	2039/01/09
27	111760	TW	108100916	I691181	2039/01/08
27	111760	US	62/615497		
27	111760	US	16/244132	US10694421B2	2039/01/10
27	111760	US	16/856578	11323913	2039/01/10
27	111760	VN	1-2020-03706		
27	111760	WO	PCT/CN2019/071038		
28	111782	CN	201980006083.6	CN111543099B	2039/01/11
28	111782	DE	19739017.2	602019023980.7	2039/01/11
28	111782	DE	22207573.1	602019052815.9	2040/07/21
28	111782	EP	EP19739017.2	EP3738374B1	2039/01/11



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
28	111782	EP	EP22207573.1	EP4156823B1	2040/07/21
28	111782	ES	19739017.2	EP3738374B1	2039/01/11
28	111782	FR	19739017.2	EP3738374B1	2039/01/11
28	111782	FR	22207573.1	EP4156823B1	2040/07/21
28	111782	GB	19739017.2	EP3738374B1	2039/01/11
28	111782	GB	22207573.1	EP4156823B1	2040/07/21
28	111782	IN	202047033639	507448	2039/01/11
28	111782	JP	特願 2020-538544	特許 7185697	2039/01/11
28	111782	KR	10-2020-7020561	KR102503216B1	2039/01/11
28	111782	KR	10-2023-7005964		
28	111782	NL	19739017.2	EP3738374B1	2039/01/11
28	111782	US	62/616397		
28	111782	US	16/245892	US10798632B2	2039/01/11
28	111782	US	16/988498	11399329	2039/01/11
28	111782	WO	PCT/CN2019/071283		
29	111783	US	62/616051		2018/10/11
30	111848	US	62/618143		
30	111848	US	16/250184	US10756858B2	2039/01/17
31	111970	US	62/629778		
31	111970	US	16/274258	US11129234B2	2039/06/09
31	111970	WO	PCT/CN2019/074901		
32	112243	US	62/629775		2018/12/17
33	112254	CN	201980014561.8	CN111819907B	2039/02/20
33	112254	DE	19758004.6	602019019839.6	2039/02/20
33	112254	EP	EP19758004.6	EP3756417B1	2039/02/20
33	112254	FR	19758004.6	EP3756417B1	2039/02/20
33	112254	GB	19758004.6	EP3756417B1	2039/02/20
33	112254	ID	P00202006413		2023/05/05
33	112254	MX	MX/a/2020/007845	MX409105B	2039/02/20
33	112254	US	62/633133		
33	112254	US	16/280492	US11153904B2	2039/02/20
33	112254	US	17/393378	11632793	2039/04/09
33	112254	VN	1-2020-05159		
33	112254	WO	PCT/CN2019/075609		
34	112256	US	62/633751		
34	112256	US	16/282308	US10798589B2	2039/02/22
34	112256	WO	PCT/CN2019/075883		
35	112433	CN	201980018257.0	CN112136295B	2039/03/11
35	112433	EP	EP19764015.4	EP3763088B1	2039/03/11
35	112433	GB	19764015.4	EP3763088B1	2039/03/11
35	112433	ID	P00202006261	IDP000088118B	2039/03/11
35	112433	IN	202047038690		
35	112433	JP	特願 2020-544860	特許 7033209	2039/03/11
35	112433	KR	10-2020-7024811	KR102375053B1	2039/03/11
35	112433	MX	MX/a/2020/008998		2039/03/11



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
35	112433	EP	EP19764015.4	EP3763088B1	2039/03/11
35	112433	US	62/640696		
35	112433	US	16/297631	US10659983B2	2039/03/09
35	112433	US	16/843113	US11026109B2	2039/03/09
35	112433	US	17/244092	11706647	2039/03/09
35	112433	US	18/118281	11917436	2039/03/09
35	112433	VN	1-2020-05182		
35	112433	WO	PCT/CN2019/077663		
36	112482	US	62/651331		2019/01/28
37	112526	CN	201980025189.0	CN112771911B	2039/04/12
37	112526	DE	19785607.3		
37	112526	EP	EP19785607.3		
37	112526	FR	19785607.3		
37	112526	GB	19785607.3		
37	112526	IN	202047048874	481854	2039/04/12
37	112526	JP	特願 2020-549553	特許 7096352	2039/04/12
37	112526	KR	10-2020-7029791	KR102342232B1	2039/04/12
37	112526	US	62/656827		
37	112526	US	16/381026	US10904910B2	2039/04/11
37	112526	US	17/128165	11653352	2039/04/11
37	112526	US	18/079746		
37	112526	WO	PCT/CN2019/082471		
38	112747	CN	201980017685.1		
38	112747	DE	19775598.6	602019031399.3	2039/03/29
38	112747	EP	EP19775598.6	EP3777403B1	2039/03/29
38	112747	FR	19775598.6	EP3777403B1	2039/03/29
38	112747	GB	19775598.6	EP3777403B1	2039/03/29
38	112747	ID	P00202006592		2023/09/26
38	112747	MX	MX/a/2020/008997		2039/03/29
38	112747	US	62/650729		
38	112747	US	16/369749	11838100	2039/03/29
38	112747	VN	1-2020-06083		
38	112747	WO	PCT/CN2019/080438		
39	112849	US	62/651842		
40	112850	CN	201980018062.6	CN111903162B	2039/03/28
40	112850	DE	19780515.3	602019025584.5	2039/03/28
40	112850	EP	EP19780515.3	EP3777354B1	2039/03/28
40	112850	FR	19780515.3	EP3777354B1	2039/03/28
40	112850	GB	19780515.3	EP3777354B1	2039/03/28
40	112850	IN	202047047160	516471	2039/03/28
40	112850	JP	特願 2020-554167	特許 7127146	2039/03/28
40	112850	KR	10-2020-7029793	KR102403045B1	2039/03/28
40	112850	TW	108110773	I699978	2039/03/26
40	112850	US	62/652766		
40	112850	US	16/365712	US10798689B2	2039/03/27



MT

No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
40	112850	US	17/000179	11343809	2039/03/27
40	112850	US	17/724033	11729780	2039/03/27
40	112850	WO	PCT/CN2019/080076		
41	112929	CN	201980018298.X	CN112586038B	2039/04/04
41	112929	DE	19784236.2	602019020108.7	2039/04/04
41	112929	EP	EP19784236.2	EP3777407B1	2039/04/04
41	112929	EP	EP22190726.4		2023/04/22
41	112929	ES	19784236.2	EP3777407B1	2039/04/04
41	112929	FR	19784236.2	EP3777407B1	2039/04/04
41	112929	GB	19784236.2	EP3777407B1	2039/04/04
41	112929	ID	P00202007582	IDP000087558B	2039/04/04
41	112929	IT	19784236.2	502022000079437	2039/04/04
41	112929	MX	MX/a/2020/008996		2039/04/04
41	112929	PL	19784236.2	EP3777407B1	2039/04/04
41	112929	TR	19784236.2	2022/015911	2039/04/04
41	112929	US	62/655493		
41	112929	US	16/373672	US10863511B2	2039/04/03
41	112929	US	16/373673	US11057891B2	2039/06/25
41	112929	VN	1-2020-06153		
41	112929	WO	PCT/CN2019/081584		
41	112929	WO	PCT/CN2019/081583		
42	113273	US	62/663946		2019/02/20
43	113341	US	62/667399		2019/03/04
44	113369	US	62/668408		2019/03/06
45	113395	US	62/668912		
45	113395	US	16/404879	US11115150B2	2039/05/07
45	113395	WO	PCT/CN2019/086056		
46	113430	CN	201980031592.4	CN112106406B	2039/05/10
46	113430	DE	19800890.6	602019041977.5	2039/05/10
46	113430	EP	EP19800890.6	EP3791630B1	2039/05/10
46	113430	FR	19800890.6	EP3791630B1	2039/05/10
46	113430	GB	19800890.6	EP3791630B1	2039/05/10
46	113430	US	62/670227		
46	113430	US	16/408507	US10880815B2	2039/05/10
46	113430	US	17/084597	11259236	2039/05/10
46	113430	US	17/573125	11706695	2039/05/10
46	113430	US	18/203856		
46	113430	WO	PCT/CN2019/086466		
47	113432	US	62/670238		
47	113432	US	16/405268	11419022	2039/08/14
47	113432	US	17/851635	11924698	2039/05/07
48	114009	US	62/683734		2019/03/25
49	114513	CN	201980040139.X	CN112335303B	2039/05/30
49	114513	CN	202311318514.7		
49	114513	DE	19818546.4	602019042931.2	2039/05/30



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
49	114513	EP	EP19818546.4	EP3808144B1	2039/05/30
49	114513	FR	19818546.4	EP3808144B1	2039/05/30
49	114513	GB	19818546.4	EP3808144B1	2039/05/30
49	114513	IN	202147001338		2022/04/15
49	114513	IN	202248024910		
49	114513	JP	特願 2020-567890	特許 7162080	2039/05/30
49	114513	KR	10-2020-7034597	KR102476656B1	2039/05/30
49	114513	US	62/685368		
49	114513	US	16/436638	US11133896B2	2039/10/07
49	114513	US	17/461054	12015482	2039/06/16
49	114513	WO	PCT/CN2019/089385		
50	114546	CN	201980043466.0	CN112335284B	2039/06/04
50	114546	EP	EP19823352.0		2023/03/29
50	114546	US	62/687302		
50	114546	US	16/433327	US11115967B2	2039/06/06
50	114546	WO	PCT/CN2019/090028		
51	115279	CN	201980041141.9	CN112335313B	2039/06/21
51	115279	DE	22213180.7	602019042168.0	2041/01/21
51	115279	EP	EP19822793.6		2022/12/07
51	115279	EP	EP22213180.7	EP4181609B1	2041/01/21
51	115279	FR	22213180.7	EP4181609B1	2041/01/21
51	115279	GB	22213180.7	EP4181609B1	2041/01/21
51	115279	ID	P00202010200	IDP000083440B	2039/06/21
51	115279	MX	MX/a/2020/013003		
51	115279	US	62/688187		
51	115279	US	16/448942	US11051332B2	2039/08/27
51	115279	US	17/332079	11751212	2039/08/04
51	115279	VN	1-2021-00320		
51	115279	WO	PCT/CN2019/092307		
52	115289	US	62/688182		2019/04/01
53	115290	AT	19821699.6	EP3811673B1	2039/06/18
53	115290	CN	201980041383.8		
53	115290	CN	201980041720.3	CN112335287B	2039/06/18
53	115290	DE	19821699.6	602019026489.5	2039/06/18
53	115290	DK	19821699.6	EP3811673B1	2039/06/18
53	115290	EP	EP19822226.7	EP3811724B1	2039/06/18
53	115290	EP	EP19821699.6	EP3811673B1	2039/06/18
53	115290	EP	EP23152131.1		
53	115290	FR	19821699.6	EP3811673B1	2039/06/18
53	115290	GB	19822226.7	EP3811724B1	2039/06/18
53	115290	GB	19821699.6	EP3811673B1	2039/06/18
53	115290	ID	P00202010190	IDP000088621B	2039/06/18
53	115290	IN	202147002181	527033	2039/06/18
53	115290	JP	特願 2020-568729	特許 7247232	2039/06/18
53	115290	KR	10-2021-7000240	KR102397784B1	2039/06/18



MT

No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
53	115290	MX	MX/a/2020/013002		2039/06/18
53	115290	PT	19821699.6	EP3811673B1	2039/06/18
53	115290	SE	19821699.6	EP3811673B1	2039/06/18
53	115290	EP	EP19822226.7	EP3811724B1	2039/06/18
53	115290	US	62/688192		
53	115290	US	16/446399	11272406	2039/06/19
53	115290	US	16/446402	11382011	2039/06/19
53	115290	US	17/586079	11622305	2039/06/19
53	115290	US	17/827965	11758450	2039/06/19
53	115290	VN	1-2021-00321		
53	115290	WO	PCT/CN2019/091770		
53	115290	WO	PCT/CN2019/091769		
54	115524	US	62/692118		2019/04/16
55	115681	US	62/695998		
55	115681	US	16/507039	US10848255B2	2039/07/10
56	116161	CN	201980051800.7	CN112534921B	2039/08/02
56	116161	DE	19845495.1	602019033738.8	2039/08/02
56	116161	EP	EP19845495.1	EP3831143B1	2039/08/02
56	116161	FR	19845495.1	EP3831143B1	2039/08/02
56	116161	GB	19845495.1	EP3831143B1	2039/08/02
56	116161	US	62/714237		
56	116161	US	16/529054	11457431	2039/08/01
56	116161	WO	PCT/CN2019/099112		
57	116214	CN	201980049327.9	CN112889330B	2039/08/07
57	116214	DE	19846429.9	602019047478.4	2039/08/07
57	116214	EP	EP19846429.9	EP3834548B1	2039/08/07
57	116214	FR	19846429.9	EP3834548B1	2039/08/07
57	116214	GB	19846429.9	EP3834548B1	2039/08/07
57	116214	US	62/715397		
57	116214	US	16/533713	US10986617B2	2039/08/06
57	116214	US	17/201296	11696289	2039/08/06
57	116214	WO	PCT/CN2019/099537		
58	116316	CN	201980052859.8		
58	116316	DE	19848683.9	602019032321.2	2039/08/08
58	116316	EP	EP19848683.9	EP3834569B1	2039/08/08
58	116316	FR	19848683.9	EP3834569B1	2039/08/08
58	116316	GB	19848683.9	EP3834569B1	2039/08/08
58	116316	US	62/716092		
58	116316	US	16/535479	11317461	2039/08/08
58	116316	WO	PCT/CN2019/099844		
59	116343	US	62/716612		
59	116343	US	16/535494		2020/08/30
59	116343	WO	PCT/CN2019/099843		
60	116351	CN	201980051154.4	CN112534750B	2039/08/08
60	116351	EP	EP19848234.1		2023/02/11



MT

No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
60	116351	US	62/716626		
60	116351	US	16/535503	US11050535B2	2039/11/11
60	116351	WO	PCT/CN2019/099842		
61	116379	CN	201980053975.1		
61	116379	DE	19847730.9	602019027870.5	2039/08/09
61	116379	EP	EP19847730.9	EP3834482B1	2039/08/09
61	116379	EP	EP23160438.0		
61	116379	FR	19847730.9	EP3834482B1	2039/08/09
61	116379	GB	19847730.9	EP3834482B1	2039/08/09
61	116379	GB	23160438.0		
61	116379	ID	P00202100945	IDP000089395B	2039/08/09
61	116379	MX	MX/a/2021/000890		
61	116379	EP	EP23160438.0		
61	116379	US	62/717747		
61	116379	US	16/537414	11445567	2039/08/09
61	116379	US	17/877226	11937327	2039/08/09
61	116379	VN	1-2021-01248		
61	116379	WO	PCT/CN2019/100018		
62	117324	US	62/735967		
62	117324	US	16/582088		2021/01/24
62	117324	WO	PCT/CN2019/107421		
63	117364	CN	201980063498.7	CN112771800B	2039/09/27
63	117364	DE	19867737.9	602019041665.2	2039/09/27
63	117364	EP	EP19867737.9	EP3857769B1	2039/09/27
63	117364	FR	19867737.9	EP3857769B1	2039/09/27
63	117364	GB	19867737.9	EP3857769B1	2039/09/27
63	117364	ID	P00202102417		2023/06/08
63	117364	IN	202147018717		
63	117364	JP	特願 2021-517363		2023/03/16
63	117364	JP	特願 2023-068478		
63	117364	KR	10-2021-7009619	KR102580152B1	2039/09/27
63	117364	MX	MX/a/2021/000891		
63	117364	US	62/737236		
63	117364	US	16/586535		2023/08/23
63	117364	VN	1-2021-01821		
63	117364	WO	PCT/CN2019/108534		
64	117515	CN	201980065294.7	CN112806081B	2039/10/01
64	117515	DE	19868545.5	602019029643.6	2039/10/01
64	117515	EP	EP19868545.5	EP3861812B1	2039/10/01
64	117515	FR	19868545.5	EP3861812B1	2039/10/01
64	117515	GB	19868545.5	EP3861812B1	2039/10/01
64	117515	ID	P00202102072	IDP000088866B	2039/10/01
64	117515	MX	MX/a/2021/003260		
64	117515	US	62/740109		
64	117515	US	16/589507	11337126	2039/10/01



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
64	117515	VN	1-2021-02331		
64	117515	WO	PCT/CN2019/109786		
65	118344	CN	201980072668.8	CN112970311B	2039/10/31
65	118344	DE	19878645.1	602019034285.3	2039/10/31
65	118344	EP	EP19878645.1	EP3874865B1	2039/10/31
65	118344	FR	19878645.1	EP3874865B1	2039/10/31
65	118344	GB	19878645.1	EP3874865B1	2039/10/31
65	118344	ID	P00202103286	IDP000091803B	2039/10/31
65	118344	MX	MX/a/2021/004628		
65	118344	US	62/754136		
65	118344	US	16/670404	US11128369B2	2039/12/02
65	118344	US	17/404369	11664879	2039/11/02
65	118344	VN	1-2021-03167		2023/10/24
65	118344	WO	PCT/CN2019/114831		
66	118349	CN	201980072360.3	CN113302966B	2039/11/01
66	118349	EP	EP19880511.1		
66	118349	US	62/754589		
66	118349	US	16/669253	11711851	2039/10/30
66	118349	US	18/117665		
66	118349	WO	PCT/CN2019/115028		
67	118388	US	62/754726		
67	118388	US	16/667799		2021/05/12
67	118388	WO	PCT/CN2019/114005		
68	118985	CN	201980077571.6	CN113261251B	2039/11/25
68	118985	CN	202311473563.8		
68	118985	DE	19888668.1	602019031508.2	2039/11/25
68	118985	EP	EP19888668.1	EP3888314B1	2039/11/25
68	118985	FR	19888668.1	EP3888314B1	2039/11/25
68	118985	GB	19888668.1	EP3888314B1	2039/11/25
68	118985	ID	P00202104096		
68	118985	MX	MX/a/2021/006103		
68	118985	US	62/771254		
68	118985	US	16/694967	11197288	2040/02/11
68	118985	US	17/511098	11943785	2039/03/04
68	118985	VN	1-2021-03217		
68	118985	WO	PCT/CN2019/120681		
69	120350	US	62/784556		2019/09/28
70	120466	CN	201980087768.8	CN113348688B	2039/12/26
70	120466	DE	19907153.1	602019043416.2	2039/12/26
70	120466	EP	EP19907153.1	EP3906716B1	2039/12/26
70	120466	FR	19907153.1	EP3906716B1	2039/12/26
70	120466	GB	19907153.1	EP3906716B1	2039/12/26
70	120466	IN	202147034331	537722	2039/12/26
70	120466	JP	特願 2021-539053	特許 7265633	2039/12/26
70	120466	KR	10-2021-7024360	KR102481795B1	2039/12/26



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
70	120466	US	62/788223		
70	120466	US	16/728961	11166227	2040/01/18
70	120466	US	17/467648	11706701	2039/12/27
70	120466	WO	PCT/CN2019/128841		
71	120514	US	62/790626		2019/10/22
72	120520	US	62/791198		2019/10/17
73	120618	US	62/793478		
73	120618	US	16/744964	11197189	2040/02/15
74	120673	CN	202080009737.3	CN113316914B	2040/01/16
74	120673	DE	20741001.0	602020012198.6	2040/01/16
74	120673	EP	EP20741001.0	EP3912300B1	2040/01/16
74	120673	FR	20741001.0	EP3912300B1	2040/01/16
74	120673	GB	20741001.0	EP3912300B1	2040/01/16
74	120673	IN	202147036641	516102	2040/01/16
74	120673	JP	特願 2021-541466		2023/05/03
74	120673	JP	特願 2023-105407		
74	120673	KR	10-2021-7026232		
74	120673	US	62/794192		
74	120673	US	16/745360	11265964	2040/02/22
74	120673	WO	PCT/CN2020/072416		
75	120777	US	62/796854		
75	120777	US	16/751784	US11064538B2	2040/03/05
76	120895	AU	2020214088	AU2020214088B2	2040/02/03
76	120895	CA	3128423	CA3128423C	2040/02/03
76	120895	CN	202080012394.6	CN113424580B	2040/02/03
76	120895	DE	20747821.5	602020015515.5	2040/02/03
76	120895	EP	EP20747821.5	EP3918833B1	2040/02/03
76	120895	FR	20747821.5	EP3918833B1	2040/02/03
76	120895	GB	20747821.5	EP3918833B1	2040/02/03
76	120895	ID	P00202106987		2023/09/26
76	120895	IN	202147039340	443635	2040/02/03
76	120895	MX	MX/a/2021/009221		
76	120895	NG	F/P/2021/165	N/A	2040/02/03
76	120895	US	62/800556		
76	120895	US	16/779973	US11159422B2	2040/02/03
76	120895	US	17/478634	11757760	2040/02/03
76	120895	VN	1-2021-05437		
76	120895	WO	PCT/CN2020/074200		
77	120896	US	62/799859		2019/11/08
78	120913	US	62/805463		2019/12/03
79	120917	CN	202080014546.6	CN113424570B	2040/02/14
79	120917	EP	EP20756570.6	EP3925266B1	2040/02/14
79	120917	GB	20756570.6	EP3925266B1	2040/02/14
79	120917	ID	P00202107253		2023/08/29
79	120917	MX	MX/a/2021/009683		



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
79	120917	EP	EP20756570.6	EP3925266B1	2040/02/14
79	120917	US	62/806083		
79	120917	US	16/791789	11394602	2040/05/03
79	120917	US	17/837378	11729047	2040/02/14
79	120917	VN	1-2021-05536		2023/09/04
79	120917	WO	PCT/CN2020/075191		
80	121304	CN	202080018401.3	CN113557787B	2040/03/05
80	121304	DE	20770358.8	602020030224.7	2040/03/05
80	121304	EP	EP20770358.8	EP3935911B1	2040/03/05
80	121304	FR	20770358.8	EP3935911B1	2040/03/05
80	121304	GB	20770358.8	EP3935911B1	2040/03/05
80	121304	IN	202147044147		
80	121304	JP	特願 2021-553319	特許 7202481	2040/03/05
80	121304	KR	10-2021-7032548		
80	121304	US	62/815465		
80	121304	US	17/437208	12022551	2040/08/30
80	121304	WO	PCT/CN2020/077927		
81	121407	CN	202080019833.6	CN113574948B	2040/03/13
81	121407	DE	20773065.6	602020015917.7	2040/03/13
81	121407	EP	EP20773065.6	EP3939368B1	2040/03/13
81	121407	FR	20773065.6	EP3939368B1	2040/03/13
81	121407	GB	20773065.6	EP3939368B1	2040/03/13
81	121407	ID	P00202107955		
81	121407	MX	MX/a/2021/011158		
81	121407	TW	109108449	I740414	2040/03/12
81	121407	US	62/819156		
81	121407	US	16/818884	11375483	2040/06/05
81	121407	US	17/751858	12035317	2040/03/13
81	121407	VN	1-2021-06429		2023/10/24
81	121407	WO	PCT/CN2020/079344		
82	121506	US	62/821555		
82	121506	WO	PCT/CN2020/080185		
83	121519	US	62/823101		2020/01/06
84	121558	US	62/825329		
84	121558	US	17/598445		
84	121558	WO	PCT/CN2020/081488		
85	121850	US	62/826118		
86	121851	US	62/826130		2020/01/14
87	121852	US	62/826136		
87	121852	US	16/831665	11265818	2040/06/17
88	121904	CN	202080026838.1		2023/06/08
88	121904	EP	EP20784444.0		2023/01/10
88	121904	US	62/828482		
88	121904	US	16/833132	11381292	2040/07/04
88	121904	WO	PCT/CN2020/081623		



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
89	121910	CN	202080026901.1		2023/06/13
89	121910	US	62/829210		
89	121910	US	17/599728		
89	121910	WO	PCT/CN2020/082836		
90	121911	CN	202080020897.8	CN113906795B	2040/04/01
90	121911	DE	20782502.7	602020024913.3	2040/04/01
90	121911	EP	EP20782502.7	EP3949575B1	2040/04/01
90	121911	FR	20782502.7	EP3949575B1	2040/04/01
90	121911	GB	20782502.7	EP3949575B1	2040/04/01
90	121911	IN	202147047624	441412	2040/04/01
90	121911	JP	特願 2021-557131	特許 7230236	2040/04/01
90	121911	KR	10-2021-7034367		
90	121911	US	62/829214		
90	121911	US	16/838013	11229003	2040/04/01
90	121911	US	17/539511	11979854	2040/04/01
90	121911	WO	PCT/CN2020/082837		
91	121912	US	62/829223		
91	121912	US	17/599737	11997643	2041/01/26
91	121912	WO	PCT/CN2020/076647		
92	122397	US	62/842182		
93	122398	CN	202080018637.7	CN113711629B	2040/04/30
93	122398	DE	20798300.8	EP3963912B1	2040/04/30
93	122398	EP	EP20798300.8	EP3963912B1	2040/04/30
93	122398	FR	20798300.8	EP3963912B1	2040/04/30
93	122398	GB	20798300.8	EP3963912B1	2040/04/30
93	122398	TW	109114634	I744889	2040/04/29
93	122398	US	62/842195		
93	122398	US	16/865046	11438956	2040/05/31
93	122398	WO	PCT/CN2020/088505		
94	122402	CN	202080017914.2	CN113711645B	2040/04/30
94	122402	DE	20798299.2	602020018389.2	2040/04/30
94	122402	EP	EP20798299.2	EP3963937B1	2040/04/30
94	122402	FR	20798299.2	EP3963937B1	2040/04/30
94	122402	GB	20798299.2	EP3963937B1	2040/04/30
94	122402	US	62/842202		
94	122402	US	16/863963	11375392	2040/04/30
94	122402	US	17/748513	11917445	2040/04/30
94	122402	WO	PCT/CN2020/088504		
95	122403	US	62/842211		
96	122516	US	62/845820		
96	122516	US	17/602753	11943030	2040/10/20
96	122516	WO	PCT/CN2020/088698		
97	123462	US	62/859889		
97	123462	WO	PCT/CN2020/094314		
98	123564	CN	202080034462.9	CN113940138B	2040/06/17



MT

No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
98	123564	US	62/862228		
98	123564	US	16/903216	11632685	2040/12/23
98	123564	US	17/988323		
98	123564	WO	PCT/CN2020/096465		
99	123799	US	62/868802		
99	123799	US	16/913618		2022/09/18
100	123823	CN	202080047622.3	CN114041273B	2040/06/10
100	123823	EP	EP20835501.6	EP3991347B1	2040/06/10
100	123823	GB	20835501.6	EP3991347B1	2040/06/10
100	123823	ID	P00202200304		
100	123823	MX	MX/a/2021/015813		
100	123823	TW	109119505	I742717	2040/06/09
100	123823	EP	EP20835501.6	EP3991347B1	2040/06/10
100	123823	US	62/869545		
100	123823	US	16/898429	11356995	2040/09/05
100	123823	US	17/738520	12004187	2040/06/10
100	123823	VN	1-2022-00305		
100	123823	WO	PCT/CN2020/095330		
101	124017	US	62/873411		
101	124017	US	17/620297		
101	124017	WO	PCT/CN2020/101063		
102	124056	US	62/874808		
102	124056	US	17/619724		
102	124056	WO	PCT/CN2020/101881		
103	124238	US	62/876130		2020/05/13
104	124256	CN	202080027633.5	CN114556845B	2040/07/21
104	124256	EP	EP20844856.3		
104	124256	US	62/877257		
104	124256	US	16/935105	11239897	2040/07/21
104	124256	WO	PCT/CN2020/103300		
105	124257	CN	202080049840.0	CN114097266B	2040/07/22
105	124257	EP	EP20844289.7		
105	124257	IN	202247007298		
105	124257	JP	特願 2022-504267	特許 7266744	2040/07/22
105	124257	KR	10-2022-7004371		
105	124257	US	62/877261		
105	124257	US	16/936296	11626918	2040/07/22
105	124257	WO	PCT/CN2020/103543		
106	124264	CN	202080051334.5		
106	124264	DE	20844222.8		
106	124264	EP	EP20844222.8		
106	124264	FR	20844222.8		
106	124264	GB	20844222.8		
106	124264	US	62/877414		
106	124264	US	16/937394	11539492	2041/01/26



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
106	124264	WO	PCT/CN2020/103529		
107	124308	CN	202080050363.X	CN114600502B	2040/07/24
107	124308	DE	20843958.8	EP4005278B1	2040/07/24
107	124308	EP	EP20843958.8	EP4005278B1	2040/07/24
107	124308	FR	20843958.8	EP4005278B1	2040/07/24
107	124308	GB	20843958.8	EP4005278B1	2040/07/24
107	124308	ID	P00202201491		
107	124308	MX	MX/a/2022/000604		
107	124308	US	62/878622		
107	124308	US	16/938792	11627624	2040/07/29
107	124308	VN	1-2022-01032		
107	124308	WO	PCT/CN2020/104549		
108	124325	CN	202080052696.6	CN114144985B	2040/07/24
108	124325	DE	20847579.8	602020028506.7	2040/07/24
108	124325	EP	EP20847579.8	EP4005128B1	2040/07/24
108	124325	FR	20847579.8	EP4005128B1	2040/07/24
108	124325	GB	20847579.8	EP4005128B1	2040/07/24
108	124325	IN	202247008275		
108	124325	JP	特願 2022-505461		2023/09/22
108	124325	KR	10-2022-7003022		
108	124325	US	62/878755		
108	124325	US	17/630005		
108	124325	WO	PCT/CN2020/104594		
109	124490	CN	202080049668.9		
109	124490	DE	20846979.1	602020030384.7	2040/07/30
109	124490	EP	EP20846979.1	EP4008150B1	2040/07/30
109	124490	FR	20846979.1	EP4008150B1	2040/07/30
109	124490	GB	20846979.1	EP4008150B1	2040/07/30
109	124490	ID	P00202201607		
109	124490	MX	MX/a/2022/001127		
109	124490	US	62/881577		
109	124490	US	16/943968		2023/06/16
109	124490	VN	1-2022-01170		
109	124490	WO	PCT/CN2020/105945		
110	124518	US	62/881586		
111	124564	CN	202080051040.2	CN114144984B	2040/07/27
111	124564	EP	EP20849450.0		
111	124564	US	62/882227		
111	124564	US	17/630009		
111	124564	WO	PCT/CN2020/104958		
112	124661	US	62/884349		2020/03/05
113	124728	CN	202080051110.4	CN114246002B	2040/08/11
113	124728	DE	20852534.5		
113	124728	EP	EP20852534.5		
113	124728	FR	20852534.5		



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
113	124728	GB	20852534.5		
113	124728	ID	P00202203055		
113	124728	MX	MX/a/2022/000791		
113	124728	US	62/885399		
113	124728	US	16/986184	11582784	2040/11/05
113	124728	US	17/948686	12016041	2040/08/05
113	124728	VN	1-2022-01257		
113	124728	WO	PCT/CN2020/108495		
114	124765	CN	202080048183.8		
114	124765	EP	EP20852951.1		
114	124765	IN	202247011746		
114	124765	JP	特願 2022-507669		
114	124765	KR	10-2022-7007276		
114	124765	TW	109127600	I733559	2040/08/12
114	124765	US	62/886776		
114	124765	US	16/992501	11342980	2040/12/16
114	124765	WO	PCT/CN2020/108944		
115	124766	US	62/886779		
115	124766	US	16/992509	11659576	2040/08/22
116	124809	CN	202080053488.8	CN114208081B	2040/08/14
116	124809	EP	EP20853396.8		2023/05/26
116	124809	US	62/887470		
116	124809	US	17/635158		
116	124809	WO	PCT/CN2020/109131		
117	124887	CN	202080054674.3		
117	124887	EP	EP20848462.6		
117	124887	US	62/888023		
117	124887	US	17/626646		
117	124887	WO	PCT/CN2020/105625		
118	124888	CN	202080054762.3	CN114208371B	2040/08/14
118	124888	EP	EP20854684.6		2023/05/26
118	124888	US	62/888051		
118	124888	US	17/628399		
118	124888	WO	PCT/CN2020/109132		
119	124907	US	62/888080		
119	124907	US	16/992526	11445391	2040/08/13
120	125465	CN	202080062465.3	CN114391235B	2040/09/11
120	125465	EP	EP20863135.8		2023/06/28
120	125465	ID	P00202204134		
120	125465	MX	MX/a/2022/002596		
120	125465	US	62/899883		
120	125465	US	17/018151	11871407	2041/05/13
120	125465	VN	1-2022-02218		
120	125465	WO	PCT/CN2020/114841		
121	125604	CN	202080064604.6	CN114402662B	2040/09/25



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
121	125604	EP	EP20867698.1		
121	125604	IN	202247022684	520531	2040/09/25
121	125604	JP	特願 2022-514815		2024/06/07
121	125604	JP	特願 2023-172735		
121	125604	KR	10-2022-7013056		
121	125604	TW	109133362	I766380	2040/09/24
121	125604	US	62/906219		
121	125604	US	17/033063	11246067	2040/09/25
121	125604	US	17/561224	11632699	2040/09/25
121	125604	WO	PCT/CN2020/117729		
122	125606	CN	202080067671.3	CN114503666B	2040/09/25
122	125606	CN	202311330398.0		
122	125606	EP	EP20867814.4		
122	125606	ID	P00202204721		
122	125606	MX	MX/a/2022/003425		
122	125606	US	62/906273		
122	125606	US	17/033086	11582651	2040/09/25
122	125606	US	17/990411	11743785	2040/09/25
122	125606	VN	1-2022-02605		
122	125606	WO	PCT/CN2020/117636		
123	125666	CN	202080068069.1		
123	125666	EP	EP20867657.7		2023/06/28
123	125666	US	62/907506		
123	125666	US	17/640146		
123	125666	WO	PCT/CN2020/114526		
124	125763	CN	202080069577.1		
124	125763	EP	EP20872162.1		
124	125763	US	62/909950		
124	125763	US	17/038417	11632197	2040/12/03
124	125763	WO	PCT/CN2020/119381		
125	125764	US	62/909953		
125	125764	US	17/036697	11438957	2041/03/13
125	125764	US	17/868003	11849499	2040/09/29
126	125765	CN	202080062731.2	CN114503685B	2040/09/25
126	125765	DE	20871417.0	EP4038986B1	2040/09/25
126	125765	EP	EP20871417.0	EP4038986B1	2040/09/25
126	125765	FR	20871417.0	EP4038986B1	2040/09/25
126	125765	GB	20871417.0	EP4038986B1	2040/09/25
126	125765	US	62/909957		
126	125765	US	17/033108	11785642	2040/10/31
126	125765	WO	PCT/CN2020/117810		
127	125766	US	62/909961		2020/07/19
128	125767	CN	202080045782.4	CN114451019B	2040/09/25
128	125767	EP	EP20872574.7		
128	125767	IN	202247022743		



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
128	125767	JP	特願 2022-517862	特許 7429286	
128	125767	KR	10-2022-7013059		
128	125767	US	62/909965		
128	125767	US	17/033125	11405868	2040/09/25
128	125767	US	17/837428	11818660	2040/09/25
128	125767	US	18/374163		
128	125767	WO	PCT/CN2020/117635		
129	125768	US	62/909966		
129	125768	US	17/033160	11863373	2040/09/25
130	125774	CN	202080069973.4		
130	125774	EP	EP20870725.7		
130	125774	ID	P00202204760		
130	125774	MX	MX/a/2022/004003		
130	125774	US	62/910564		
130	125774	US	17/038458	11700596	2040/09/30
130	125774	VN	1-2022-02470		
130	125774	WO	PCT/CN2020/119629		
131	125775	US	62/910571		
131	125775	US	17/634858		
131	125775	WO	PCT/CN2020/117215		
132	125776	CN	202080069995.0		
132	125776	EP	EP20872870.9		
132	125776	US	62/910578		
132	125776	US	17/038481	11985662	2041/01/16
132	125776	WO	PCT/CN2020/119382		
133	125777	US	62/910587		
134	125778	CN	202080070002.1		
134	125778	US	62/910591		
134	125778	US	17/765969		
134	125778	WO	PCT/CN2020/117549		
135	125780	CN	202080069756.5		
135	125780	EP	EP20874713.9		
135	125780	GB	20874713.9		
135	125780	IN	202247023297	499797	2040/10/07
135	125780	JP	特願 2022-518925		2023/06/27
135	125780	KR	10-2022-7012220		
135	125780	EP	EP20874713.9		
135	125780	US	62/911529		
135	125780	US	17/065244	11412490	2040/12/15
135	125780	US	17/843630	11678328	2040/10/07
135	125780	WO	PCT/CN2020/119860		
136	125781	US	62/911534		2020/08/03
137	126312	US	62/926389		
137	126312	US	17/073995	11381300	2040/10/19
138	126399	CN	202080075110.8	CN114600509B	2040/10/29



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
138	126399	EP	EP20880442.7		
138	126399	IN	202247027309		
138	126399	JP	特願 2022-522950		
138	126399	KR	10-2022-7016588		
138	126399	TW	109137706		
138	126399	US	62/927479		
138	126399	US	17/084598	11589294	2040/10/29
138	126399	WO	PCT/CN2020/124905		
139	126542	US	62/930131		2020/08/06
140	126543	US	62/930120		2020/08/04
141	126574	CN	202080077305.6		
141	126574	EP	EP20885571.8		
141	126574	IN	202247029070		
141	126574	JP	特願 2022-526181	特許 7335441	2040/11/06
141	126574	KR	10-2022-7018511		
141	126574	US	62/931401		
141	126574	US	17/091582	11323938	2040/11/06
141	126574	US	17/708488		
141	126574	WO	PCT/CN2020/126918		
142	126593	US	62/931396		
142	126593	US	17/091602	11528768	2041/03/01
143	126647	CN	202080076955.9		
143	126647	EP	EP20884107.2		
143	126647	ID	P00202206094		
143	126647	MX	MX/a/2022/005217		
143	126647	TW	109139061	I775208	2040/11/08
143	126647	US	62/932206		
143	126647	US	17/093030	11589342	2040/11/09
143	126647	US	17/985128	11818732	2040/11/09
143	126647	VN	1-2022-03177		
143	126647	WO	PCT/CN2020/127504		
144	126649	CN	202080076668.8		
144	126649	EP	EP20884557.8		
144	126649	IN	202247028807	536206	2040/11/06
144	126649	JP	特願 2022-524705	特許 7303382	2040/11/06
144	126649	KR	10-2022-7016797		
144	126649	US	62/932187		
144	126649	US	17/091626	11582807	2040/11/06
144	126649	US	17/944590	11696341	2040/11/06
144	126649	US	18/311250		
144	126649	WO	PCT/CN2020/127171		
145	126650	CN	202080077938.7		
145	126650	DE	20885055.2	EP4046456B1	2040/11/09
145	126650	EP	EP20885055.2	EP4046456B1	2040/11/09
145	126650	FR	20885055.2	EP4046456B1	2040/11/09



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
145	126650	GB	20885055.2	EP4046456B1	2040/11/09
145	126650	US	62/932198		
145	126650	US	17/093044	11706801	2040/11/09
145	126650	WO	PCT/CN2020/127503		
146	126653	CN	202080077383.6		
146	126653	EP	EP20884685.7		
146	126653	US	62/932868		
146	126653	US	17/774647		
146	126653	WO	PCT/CN2020/121417		
147	126654	CN	202080077463.1		
147	126654	EP	EP20885294.7		
147	126654	IN	202247028878		
147	126654	JP	特願 2022-526186	特許 7270110	2040/11/06
147	126654	KR	10-2022-7018567		
147	126654	US	62/932881		
147	126654	US	17/091618	11540282	2040/11/13
147	126654	US	17/966140	12004139	2040/11/06
147	126654	WO	PCT/CN2020/127040		
148	126655	US	62/932888		
149	126656	US	62/932904		
149	126656	WO	PCT/CN2020/127168		
150	126744	US	62/934673		
151	126745	CN	202080076681.3		
151	126745	DE	20887365.3	602020031821.6	2040/11/11
151	126745	EP	EP20887365.3	EP4026386B1	2040/11/11
151	126745	FR	20887365.3	EP4026386B1	2040/11/11
151	126745	GB	20887365.3	EP4026386B1	2040/11/11
151	126745	ID	P00202206054		
151	126745	MX	MX/a/2022/003331		
151	126745	US	62/934676		
151	126745	US	17/095683	11632794	2040/11/11
151	126745	VN	1-2022-03413		
151	126745	WO	PCT/CN2020/128175		
152	126921	US	62/939429		2020/09/17
153	127065	CN	202080083165.3	CN114762407B	2040/11/30
153	127065	EP	EP20893278.0		
153	127065	ID	P00202206691		
153	127065	MX	MX/a/2022/003334		
153	127065	US	62/941974		
153	127065	US	17/107213	11395247	2040/12/06
153	127065	VN	1-2022-03821		
153	127065	WO	PCT/CN2020/132766		
154	127091	US	62/941975		
154	127091	US	17/107231	11659597	2041/04/11
155	127290	US	62/945005		



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
155	127290	US	17/113800	11582014	2041/01/24
156	127291	CN	202080062732.7		
156	127291	EP	EP20896840.4		
156	127291	ID	P00202206754		
156	127291	MX	MX/a/2022/003426		
156	127291	TW	109142839	I745189	2040/12/03
156	127291	US	62/945011		
156	127291	US	17/113076		2023/09/05
156	127291	VN	1-2022-03914		
156	127291	WO	PCT/CN2020/133814		
157	127926	CN	202080091527.3		
157	127926	EP	EP20910099.9		
157	127926	ID	P00202207973		
157	127926	MX	MX/a/2022/008120		
157	127926	US	62/955718		
157	127926	US	17/788602		
157	127926	VN	1-2022-04548		
157	127926	WO	PCT/CN2020/141920		
158	127927	CN	202080091490.4		
158	127927	EP	EP20910191.4		
158	127927	ID	P00202207699		
158	127927	MX	MX/a/2022/008122		
158	127927	US	62/955741		
158	127927	US	17/787694		
158	127927	VN	1-2022-04577		
158	127927	WO	PCT/CN2020/136734		
159	127981	CN	202180008378.4		
159	127981	US	62/957782		
159	127981	US	17/791193		
159	127981	WO	PCT/CN2021/070401		
160	128048	CN	202180007556.1		
160	128048	EP	EP21738751.3		
160	128048	IN	202247042033	532746	2041/01/07
160	128048	JP	特願 2022-528268	特許 7429291	
160	128048	KR	10-2022-7026802		
160	128048	US	62/958164		
160	128048	US	17/143964	11800523	2041/01/07
160	128048	WO	PCT/CN2021/070647		
161	128108	CN	202180008723.4		
161	128108	EP	EP21738018.7		
161	128108	US	62/959736		
161	128108	US	17/144733	11539473	2041/01/20
161	128108	US	17/990948	12021637	2041/01/08
161	128108	WO	PCT/CN2021/070684		
162	128109	CN	202180008604.9		



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
162	128109	EP	EP21738396.7		
162	128109	ID	P00202208348		
162	128109	IN	202247042009		
162	128109	JP	特願 2022-540578	特許 7392162	
162	128109	KR	10-2022-7026444		
162	128109	MX	MX/a/2022/008390		
162	128109	US	62/959741		
162	128109	US	17/791371		
162	128109	VN	1-2022-04881		
162	128109	WO	PCT/CN2021/070794		
163	128204	US	62/961414		
163	128204	US	17/150933	11595158	2041/02/01
163	128204	US	18/072857	11784759	2041/01/15
164	128225	CN	202180007993.3		
164	128225	EP	EP21740736.0		
164	128225	IN	202247042957		
164	128225	JP	特願 2022-540493		2023/09/12
164	128225	KR	10-2022-7027494		
164	128225	US	62/961875		
164	128225	US	17/149031		
164	128225	WO	PCT/CN2021/071748		
165	129040	CN	202180008909.X		
165	129040	EP	EP21740997.8		
165	129040	ID	P00202208664		
165	129040	MX	MX/a/2022/008669		
165	129040	US	62/962932		
165	129040	US	17/791381		
165	129040	VN	1-2022-04547		
165	129040	WO	PCT/CN2021/072458		
166	129041	US	62/963495		
166	129041	US	17/151617	11638307	2041/02/19
167	129044	CN	202180009907.2	CN114982288B	2041/01/21
167	129044	EP	EP21744125.2		
167	129044	IN	202247044347	527776	2041/01/21
167	129044	JP	特願 2022-544214	特許 7332814	2041/01/21
167	129044	KR	10-2022-7027738		
167	129044	US	62/963720		
167	129044	US	17/791388		
167	129044	WO	PCT/CN2021/073119		
168	129045	CN	202180010393.2		
168	129045	EP	EP21744505.5		
168	129045	IN	202247044571		
168	129045	JP	特願 2022-543551		2024/05/22
168	129045	KR	10-2022-7027901		
168	129045	US	62/964012		



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
168	129045	US	17/794412		
168	129045	WO	PCT/CN2021/073121		
169	129140	CN	202180012594.6		
169	129140	EP	EP21750600.5		
169	129140	ID	P00202209457		
169	129140	MX	MX/a/2022/009589		
169	129140	US	62/971572		
169	129140	US	17/170818		
169	129140	VN	1-2022-05446		
169	129140	WO	PCT/CN2021/075644		
170	130118	US	62/980102		
170	130118	WO	PCT/CN2021/076714		
171	130227	CN	202180009693.9		
171	130227	EP	EP21759720.2		
171	130227	ID	P00202209915		
171	130227	MX	MX/a/2022/010428		
171	130227	US	62/982713		
171	130227	US	17/188186	12022461	2041/03/01
171	130227	VN	1-2022-05945		
171	130227	WO	PCT/CN2021/078411		
172	130248	CN	202180018822.0		
172	130248	EP	EP21764748.6		
172	130248	US	62/984740		
172	130248	US	17/800778		
172	130248	WO	PCT/CN2021/078817		
173	130381	CN	202180022137.5		
173	130381	EP	EP21771592.9		
173	130381	US	62/990392		
173	130381	US	17/202673	11722935	2041/03/16
173	130381	WO	PCT/CN2021/081062		
174	130443	CN	202180021995.8		
174	130443	EP	EP21776567.6		
174	130443	ID	P00202211653		
174	130443	MX	MX/a/2022/011706		
174	130443	US	62/993613		
174	130443	US	17/910516		
174	130443	VN	1-2022-06654		
174	130443	WO	PCT/CN2021/082437		
175	130478	CN	202180023576.8		
175	130478	EP	EP21776099.0		
175	130478	IN	202247056728		
175	130478	JP	特願 2022-557196		
175	130478	KR	10-2022-7035665		
175	130478	US	62/994146		
175	130478	US	17/204249		



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
175	130478	WO	PCT/CN2021/081064		
176	130493	CN	202180021598.0	CN115280734B	2041/03/24
176	130493	EP	EP21776892.8		
176	130493	US	62/994696		
176	130493	US	17/908318		
176	130493	WO	PCT/CN2021/082843		
177	130564	CN	202180021563.7	CN115298999B	2041/03/26
177	130564	EP	EP21775938.0		
177	130564	IN	202247057784		
177	130564	JP	特願 2022-557894	特許 7426501	
177	130564	KR	10-2022-7036238		
177	130564	TW	110111222	I781560	2041/03/25
177	130564	US	63/001197		
177	130564	US	17/800383		
177	130564	WO	PCT/CN2021/083427		
178	130565	US	63/001223		
179	130582	CN	202180017339.0		
179	130582	EP	EP21779444.5		
179	130582	IN	202247058122		
179	130582	JP	特願 2022-549662	特許 7332818	2041/03/30
179	130582	KR	10-2022-7035679		
179	130582	TW	110111619	I757136	2041/03/29
179	130582	US	63/002269		
179	130582	US	17/217123	11617223	2041/03/30
179	130582	US	17/985133	11743969	2041/03/30
179	130582	WO	PCT/CN2021/083970		
180	130676	CN	202180027153.3		
180	130676	EP	EP21784892.8		
180	130676	ID	P00202212431		
180	130676	MX	MX/a/2022/012486		
180	130676	TW	110112788	I787780	2041/04/07
180	130676	US	63/007271		
180	130676	US	17/225440	11589276	2041/04/08
180	130676	VN	1-2022-07258		
180	130676	WO	PCT/CN2021/086025		
181	130732	CN	202180026917.7		
181	130732	EP	EP21784227.7		
181	130732	ID	P00202212492		
181	130732	MX	MX/a/2022/011740		
181	130732	TW	110113006	I779556	2041/04/09
181	130732	US	63/008566		
181	130732	US	17/227360	11589277	2041/04/11
181	130732	US	17/977110		
181	130732	VN	1-2022-07255		
181	130732	WO	PCT/CN2021/086519		



MT

No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
182	130739	US	63/008571		
183	130741	CN	202180013165.0		
183	130741	EP	EP21783664.2		
183	130741	US	63/008576		
183	130741	US	17/916349		
183	130741	WO	PCT/CN2021/086046		
184	130894	CN	202180028491.9		
184	130894	EP	EP21787922.0		
184	130894	ID	P00202212542		
184	130894	MX	MX/a/2022/012782		
184	130894	US	63/009937		
184	130894	US	17/918650		
184	130894	VN	1-2022-07302		
184	130894	WO	PCT/CN2021/087207		
185	130921	US	63/010605		
185	130921	US	17/231418		2022/10/26
186	131025	US	63/012881		
187	131026	US	63/012887		
187	131026	US	17/919381		
187	131026	WO	PCT/CN2021/088396		
188	131075	CN	202180028452.9		
188	131075	EP	EP21791809.3		
188	131075	IN	202247062815		
188	131075	JP	特願 2022-564674	特許 7352039	2041/04/23
188	131075	KR	10-2022-7039834		
188	131075	US	63/014648		
188	131075	US	17/238820	11202336	2041/04/23
188	131075	WO	PCT/CN2021/089344		
189	131244	CN	202180030329.0		
189	131244	EP	EP21795975.8		
189	131244	US	63/018469		
189	131244	US	17/796040		
189	131244	WO	PCT/CN2021/091064		
190	131425	CN	202180029504.4		
190	131425	EP	EP21805282.7		
190	131425	IN	202247067034		
190	131425	JP	特願 2022-567859		2024/04/08
190	131425	JP	特願 2024-073804		
190	131425	KR	10-2022-7042149		
190	131425	US	63/023205		
190	131425	US	17/922447		
190	131425	WO	PCT/CN2021/092178		
191	131449	US	63/023810		
191	131449	WO	PCT/CN2021/093344		
192	131497	CN	202180035112.9		



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
192	131497	EP	EP21804832.0		
192	131497	US	63/024409		
192	131497	US	17/924779		
192	131497	WO	PCT/CN2021/093616		
193	131510	US	63/025875		
193	131510	US	17/924761		
193	131510	WO	PCT/CN2021/093897		
194	131516	CN	202180032473.8		
194	131516	EP	EP21804116.8		
194	131516	IN	202247069072	541085	2041/05/17
194	131516	JP	特願 2022-568865		2024/01/15
194	131516	KR	10-2022-7042828		
194	131516	TW	110117817	I775438	2041/05/16
194	131516	US	63/025888		
194	131516	US	17/321810	11706631	2041/07/17
194	131516	WO	PCT/CN2021/094163		
195	131620	US	63/028502		
195	131620	US	17/326547		
196	131695	US	63/030204		
196	131695	US	17/927114		
196	131695	WO	PCT/CN2021/095819		
197	131700	US	63/030216		
198	131710	CN	202180038277.1		
198	131710	EP	EP21811968.3		
198	131710	ID	P00202214625		
198	131710	IN	202247071104		
198	131710	JP	特願 2022-570347		2024/03/31
198	131710	JP	特願 2024-077848		
198	131710	KR	10-2022-7042662		
198	131710	MX	MX/a/2022/014079		
198	131710	US	63/030228		
198	131710	US	17/927475		
198	131710	VN	1-2022-08105		
198	131710	WO	PCT/CN2021/096110		
199	131711	CN	202180038278.6		
199	131711	EP	EP21814252.9		
199	131711	US	63/030225		
199	131711	US	17/927103		
199	131711	WO	PCT/CN2021/096197		
200	131754	CN	202180036358.8		
200	131754	EP	EP21809588.3		
200	131754	US	63/031510		
200	131754	US	17/926712		
200	131754	WO	PCT/CN2021/094959		
201	131755	US	63/031512		



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
201	131755	US	17/927729		
201	131755	WO	PCT/CN2021/096108		
202	131792	CN	202180039065.5		
202	131792	EP	EP21812137.4		
202	131792	IN	202247072457		
202	131792	JP	特願 2022-569140	特許 7426509	
202	131792	KR	10-2022-7042826		
202	131792	US	63/032490		
202	131792	US	17/333413	11671901	2041/05/28
202	131792	WO	PCT/CN2021/096747		
203	131809	CN	202180039710.3		
203	131809	EP	EP21818147.7		
203	131809	ID	P00202214958		
203	131809	MX	MX/a/2022/014445		
203	131809	TW	110119889	I787851	2041/05/31
203	131809	US	63/033130		
203	131809	US	17/334916	11838860	2041/08/06
203	131809	US	18/382680		
203	131809	VN	1-2022-08293		
203	131809	WO	PCT/CN2021/097263		
204	132122	CN	202180040689.9		
204	132122	EP	EP21822590.2		
204	132122	ID	P00202300278		
204	132122	MX	MX/a/2022/015550		
204	132122	US	63/038684		
204	132122	US	17/927732		
204	132122	VN	1-2022-08630		
204	132122	WO	PCT/CN2021/096644		
205	132218	CN	202180040819.9		
205	132218	EP	EP21824750.0		
205	132218	ID	P00202300330		
205	132218	MX	MX/a/2022/015875		
205	132218	US	63/041775		
205	132218	US	17/351672	11617114	2041/06/18
205	132218	VN	1-2023-00046		
205	132218	WO	PCT/CN2021/100948		
206	132222	CN	202180043804.8		
206	132222	EP	EP21826133.7		
206	132222	US	63/041809		
206	132222	US	18/010043		
206	132222	WO	PCT/CN2021/100178		
207	132302	CN	202180045335.3		
207	132302	EP	EP21829328.0		
207	132302	US	63/043724		
207	132302	US	17/356817	11791888	2041/06/24



MT

No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
207	132302	WO	PCT/CN2021/102170		
208	132303	CN	202180044460.2		
208	132303	EP	EP21829060.9		
208	132303	IN	202347001326		2023/06/10
208	132303	JP	特願 2022-572664		
208	132303	KR	10-2023-7001411		
208	132303	US	63/043734		
208	132303	US	17/356832	11582790	2041/06/24
208	132303	WO	PCT/CN2021/102169		
209	133010	CN	202110773426.0		
209	133010	DE	21184501.1	602021000482.6	2041/07/08
209	133010	EP	EP21184501.1	EP3937544B1	2041/07/08
209	133010	FR	21184501.1	EP3937544B1	2041/07/08
209	133010	GB	21184501.1	EP3937544B1	2041/07/08
209	133010	US	63/049577		
209	133010	US	17/370302	11979780	2041/11/15
210	133181	US	63/051801		
210	133181	WO	PCT/CN2021/106253		
211	133229	CN	202110796422.4	CN113950164B	2041/07/14
211	133229	US	63/052904		
211	133229	US	17/369308	11696360	2041/07/07
212	133262	TW	110126505	I793682	2041/07/18
212	133262	US	63/053487		
212	133262	US	17/379352		
212	133262	WO	PCT/CN2021/107188		
213	133305	US	63/054747		
213	133305	WO	PCT/CN2021/107697		
214	133315	CN	202180060964.3		
214	133315	EP	EP21846888.2		
214	133315	ID	P00202301258		
214	133315	MX	MX/a/2023/000326		
214	133315	US	63/055241		
214	133315	US	17/382874	11683830	2041/07/30
214	133315	US	18/144440		
214	133315	VN	1-2023-00867		
214	133315	WO	PCT/CN2021/107914		
215	133413	CN	202180061058.5		
215	133413	EP	EP21850629.3		
215	133413	IN	202347008673		2023/07/18
215	133413	JP	特願 2023-501492		
215	133413	KR	10-2023-7005906		
215	133413	US	63/057229		
215	133413	US	18/009517		
215	133413	WO	PCT/CN2021/108641		
216	133666	US	63/061743		



MT

No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
216	133666	WO	PCT/CN2021/110933		
217	133701	US	63/062355		
217	133701	US	18/015129		
217	133701	WO	PCT/CN2021/108272		
218	133702	US	63/062361		
218	133702	WO	PCT/CN2021/110977		
219	133704	US	63/062712		
219	133704	WO	PCT/CN2021/110629		
220	133705	US	63/062722		
221	133707	CN	202180061269.9		
221	133707	EP	EP21852334.8		
221	133707	US	63/062737		
221	133707	US	17/395928	11984992	2042/03/19
221	133707	WO	PCT/CN2021/111285		
222	133721	US	63/062747		
222	133721	US	17/397112	11863498	2042/02/18
223	133722	CN	202180060594.3		
223	133722	EP	EP21853357.8		
223	133722	IN	202347010429		
223	133722	JP	特願 2023-504341		
223	133722	KR	10-2023-7006754		
223	133722	US	63/062757		
223	133722	US	17/397116	11805524	2042/01/19
223	133722	WO	PCT/CN2021/111530		
224	133724	US	63/062766		
224	133724	US	17/395941	11895546	2040/08/29
224	133724	US	18/392265		
224	133724	WO	PCT/CN2021/111531		
225	134225	US	63/068967		
225	134225	US	17/408833		
226	134624	CN	202180054406.6		
226	134624	EP	EP21866001.7		
226	134624	IN	202347018825		
226	134624	JP	特願 2023-515345		
226	134624	KR	10-2023-7010838		
226	134624	US	63/075735		
226	134624	US	17/469138		
226	134624	WO	PCT/CN2021/117158		
227	134645	US	63/076299		
228	134656	CN	202180057566.6		
228	134656	EP	EP21866040.5		
228	134656	US	63/076303		
228	134656	US	17/470323		
228	134656	WO	PCT/CN2021/117437		
229	134715	CN	202180051998.6		



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
229	134715	EP	EP21865971.2		
229	134715	US	63/077439		
229	134715	US	17/466404		
229	134715	WO	PCT/CN2021/116980		
230	134716	US	63/077450		
230	134716	WO	PCT/CN2021/117461		
231	135071	CN	202180065774.0		
231	135071	EP	EP21871596.9		
231	135071	US	63/083696		
231	135071	US	18/028022		
231	135071	WO	PCT/CN2021/120316		
232	135405	CN	202111190082.7		
232	135405	DE	21202114.1	602021004136.5	2041/10/12
232	135405	EP	EP21202114.1	EP3982670B1	2041/10/12
232	135405	FR	21202114.1	EP3982670B1	2041/10/12
232	135405	GB	21202114.1	EP3982670B1	2041/10/12
232	135405	TW	110137856	I843018	2041/10/11
232	135405	US	63/090637		
232	135405	US	17/497151		
233	135453	US	63/091239		
233	135453	US	18/031055		
233	135453	WO	PCT/CN2021/123517		
234	135454	US	63/091244		
234	135454	US	17/500255		2023/01/04
234	135454	WO	PCT/CN2021/123526		
235	135568	CN	202180054069.0		
235	135568	EP	EP21879539.1		
235	135568	US	63/092361		
235	135568	US	17/502693		
235	135568	WO	PCT/CN2021/124117		
236	135764	US	63/104457		
236	135764	US	18/033301		
236	135764	WO	PCT/CN2021/125863		
237	135766	TW	110139073	I832107	2041/10/20
237	135766	US	63/104461		
237	135766	US	17/507165		
237	135766	WO	PCT/CN2021/125416		
238	135768	TW	110139120		
238	135768	US	63/104466		
238	135768	WO	PCT/CN2021/125417		
239	135785	US	63/105153		
239	135785	US	17/508312	12028869	2042/08/03
239	135785	WO	PCT/CN2021/125910		
240	135789	CN	202180063690.3		
240	135789	EP	EP21882184.1		



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
240	135789	US	63/105160		
240	135789	US	17/508364	12016037	2042/07/14
240	135789	WO	PCT/CN2021/125909		
241	135790	US	63/105168		2021/08/06
242	135791	CN	202180065703.0		
242	135791	EP	EP21882193.2		
242	135791	ID	P00202304006		
242	135791	MX	MX/a/2023/003977		
242	135791	US	63/105170		
242	135791	US	17/508371		
242	135791	VN	1-2023-03035		
242	135791	WO	PCT/CN2021/126132		
243	135792	CN	202180067863.9		
243	135792	EP	EP21882194.0		
243	135792	TW	110139461	I783750	2041/10/24
243	135792	US	63/104915		
243	135792	US	17/508987	12028888	2042/08/19
243	135792	WO	PCT/CN2021/126134		
244	135793	CN	202111240454.2		
244	135793	DE	21204413.5	602021011882.1	2041/10/25
244	135793	EP	EP21204413.5	EP3989469B1	2041/10/25
244	135793	FR	21204413.5	EP3989469B1	2041/10/25
244	135793	GB	21204413.5	EP3989469B1	2041/10/25
244	135793	US	63/104925		
244	135793	US	17/508378	11910382	2042/01/26
245	135794	US	63/104934		
245	135794	WO	PCT/CN2021/125908		
246	135795	US	63/104946		
246	135795	WO	PCT/CN2021/125907		
247	137192	EP	EP21897042.4		
247	137192	US	63/117956		
247	137192	US	18/038554		
247	137192	WO	PCT/CN2021/132894		
248	137281	CN	202180079171.6		
248	137281	EP	EP21897084.6		
248	137281	US	63/118834		
248	137281	US	17/535651		
248	137281	WO	PCT/CN2021/133181		
249	138037	US	63/128695		
249	138037	WO	PCT/CN2021/140103		
250	138194	CN	202111636886.5		
250	138194	DE	21218070.7	602021003989.1	2041/12/29
250	138194	EP	EP21218070.7	EP4024748B1	2041/12/29
250	138194	FR	21218070.7	EP4024748B1	2041/12/29
250	138194	GB	21218070.7	EP4024748B1	2041/12/29



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
250	138194	US	63/131486		
250	138194	US	17/555523		
251	138195	CN	202180072583.7		
251	138195	EP	EP21914421.9		
251	138195	US	63/131500		
251	138195	US	17/555517		
251	138195	WO	PCT/CN2021/142149		
252	138196	US	63/131510		
252	138196	US	17/555518		
252	138196	WO	PCT/CN2021/142148		
253	138217	US	63/131520		
253	138217	WO	PCT/CN2021/142423		
254	138218	US	63/131441		
254	138218	US	17/565423		
254	138218	WO	PCT/US21/65593		
255	138219	CN	202180088583.6		
255	138219	EP	EP21914486.2		
255	138219	US	63/131462		
255	138219	US	17/564169	11974356	2041/12/28
255	138219	WO	PCT/CN2021/142422		
256	138271	CN	202280009022.7		
256	138271	US	63/133758		
256	138271	US	17/567900		
256	138271	WO	PCT/CN2022/070140		
257	138272	US	63/133760		
257	138272	US	18/270860		
257	138272	WO	PCT/CN2022/070141		
258	138326	CN	202210015006.0	CN114727386B	2042/01/07
258	138326	DE	22150551.4	602022000252.4	2042/01/07
258	138326	EP	EP22150551.4	EP4027718B1	2042/01/07
258	138326	FR	22150551.4	EP4027718B1	2042/01/07
258	138326	GB	22150551.4	EP4027718B1	2042/01/07
258	138326	US	63/134939		
258	138326	US	17/560088		
259	138349	US	63/135487		
259	138349	US	17/570331		
260	138514	US	63/138098		2021/11/23
261	138515	CN	202280008612.8		
261	138515	EP	EP22739118.2		
261	138515	US	63/138114		
261	138515	US	17/575612		
261	138515	WO	PCT/CN2022/072007		
262	138516	US	63/138149		
262	138516	US	17/575636	11844069	2042/08/14
263	138517	CN	202280010429.1		



MT

No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
263	138517	EP	EP22739119.0		
263	138517	US	63/138206		
263	138517	US	18/272715		
263	138517	WO	PCT/CN2022/072008		
264	138518	CN	202210043318.2		
264	138518	EP	EP22151464.9		2022/08/10
264	138518	US	63/138135		
264	138518	US	17/567158		2023/08/15
265	138519	US	63/138164		
266	138520	US	63/138180		
266	138520	US	17/573645		
266	138520	WO	PCT/CN2022/071667		
267	138545	US	63/138756		
267	138545	US	18/272721		
267	138545	WO	PCT/CN2022/071666		
268	139254	US	63/156813		
268	139254	US	17/685862		
269	139313	CN	202280013080.7		
269	139313	EP	EP22766328.3		
269	139313	US	63/158813		
269	139313	US	17/689347		
269	139313	WO	PCT/CN2022/079935		
270	139487	CN	202210267735.5		
270	139487	US	63/162475		
270	139487	US	17/696242		
271	139509	US	63/162977		
271	139509	WO	PCT/CN2022/081630		
272	142143	US	63/166124		
272	142143	US	17/704389		
272	142143	WO	PCT/CN2022/083128		
273	142145	CN	202210356176.5	CN115134888B	2042/03/25
273	142145	DE	22164306.7	602022000696.1	2042/03/25
273	142145	EP	EP22164306.7	EP4064743B1	2042/03/25
273	142145	FR	22164306.7	EP4064743B1	2042/03/25
273	142145	GB	22164306.7	EP4064743B1	2042/03/25
273	142145	US	63/166148		
273	142145	US	17/700866		
274	142163	US	63/166913		
275	142164	US	63/166903		
275	142164	US	17/704396		
275	142164	WO	PCT/CN2022/082924		
276	142165	CN	202280016728.6		
276	142165	EP	EP22774341.6		
276	142165	US	63/166936		
276	142165	US	17/704726		



MT

No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
276	142165	WO	PCT/CN2022/082998		
277	142199	CN	202210328709.9		
277	142199	EP	EP22165480.9		
277	142199	US	63/168154		
277	142199	US	17/708479		
278	142216	US	63/169126		
278	142216	US	17/709428		
278	142216	WO	PCT/CN2022/084186		
279	142247	US	63/169140		
279	142247	US	17/709888	11864142	2042/04/08
280	142253	US	63/169153		2022/01/28
281	142259	CN	202280024623.5		
281	142259	EP	EP22779079.7		
281	142259	US	63/169825		
281	142259	US	18/281055		
281	142259	WO	PCT/CN2022/084467		
282	142261	CN	202280026472.7		
282	142261	EP	EP22779124.1		
282	142261	US	63/169732		
282	142261	US	17/711334		
282	142261	WO	PCT/CN2022/084765		
283	142315	US	63/171540		2022/02/08
284	142324	US	63/171953		
284	142324	US	63/171961		
284	142324	US	18/282064		
284	142324	WO	PCT/CN2022/085573		
285	142329	CN	202280026487.3		
285	142329	EP	EP22784147.5		
285	142329	US	63/172558		
285	142329	US	17/716293		
285	142329	WO	PCT/CN2022/085850		
286	142331	US	63/172578		
286	142331	US	17/709400		
287	142339	CN	202280027074.7		
287	142339	EP	EP22784156.6		
287	142339	US	63/173240		
287	142339	US	17/716300		
287	142339	WO	PCT/CN2022/085922		
288	142561	CN	202210431854.X		
288	142561	EP	EP22169419.3		
288	142561	US	63/178458		
288	142561	US	17/727005		
289	142720	US	63/181959		
289	142720	US	17/733018		
289	142720	WO	PCT/CN2022/090418		



MT

No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
290	142753	US	63/184022		
291	142754	US	63/184031		
291	142754	US	17/735654		
292	142755	CN	202280030677.2		
292	142755	EP	EP22798609.8		
292	142755	US	63/184050		
292	142755	US	17/735131		
292	142755	WO	PCT/CN2022/090223		
293	142817	CN	202210492912.X		
293	142817	US	63/185913		
293	142817	US	17/738475		
294	142818	CN	202210491341.8		
294	142818	EP	EP22172005.5		2023/04/08
294	142818	US	63/185935		
294	142818	US	17/738492		
295	142819	US	63/185972		
296	142820	US	63/185986		
296	142820	US	17/739505		
296	142820	WO	PCT/CN2022/091752		
297	142853	US	63/186759		
297	142853	US	18/560180		
297	142853	WO	PCT/CN2022/092016		
298	142854	US	63/186763		
298	142854	US	17/735898		
299	142889	CN	202280031810.6		
299	142889	EP	EP22806807.8		
299	142889	US	63/186996		
299	142889	US	17/741691		
299	142889	WO	PCT/CN2022/092279		
300	143951	US	63/213046		
300	143951	US	17/845072		
301	144314	US	63/214491		
301	144314	US	17/846408		
301	144314	WO	PCT/CN2022/100977		
302	144317	US	63/214507		
302	144317	US	17/847945		
302	144317	WO	PCT/CN2022/100849		
303	144640	US	63/219758		
303	144640	US	17/858871		
304	144806	US	63/223790		
304	144806	US	17/869087		
304	144806	WO	PCT/CN2022/106826		
305	144818	US	63/224307		
305	144818	US	17/870234		
305	144818	WO	PCT/CN2022/107139		



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
306	144831	US	63/225369		2022/05/19
307	144832	US	63/225382		
307	144832	US	17/870243		
307	144832	WO	PCT/CN2022/107138		
308	144956	US	63/227868		
308	144956	US	18/293555		
308	144956	WO	PCT/CN2022/107663		
309	144958	US	63/203812		
310	144978	CN	202280044947.5		
310	144978	EP	EP22852213.2		
310	144978	US	63/203863		
310	144978	US	17/879344		
310	144978	WO	PCT/CN2022/109797		
311	145014	US	63/228986		
312	145037	US	63/203922		
312	145037	US	17/881167		
312	145037	WO	PCT/CN2022/110343		
313	145055	CN	202280052813.8		
313	145055	EP	EP22852236.3		
313	145055	US	63/203974		
313	145055	US	17/880038		
313	145055	WO	PCT/CN2022/109973		
314	145056	US	63/203975		2022/06/08
315	145057	US	63/203978		
315	145057	US	17/880053		
315	145057	WO	PCT/CN2022/110107		
316	145059	US	63/203981		2022/05/23
317	145081	CN	202280038958.2		
317	145081	EP	EP22852348.6		
317	145081	US	63/260045		
317	145081	US	17/881190		
317	145081	WO	PCT/CN2022/110591		
318	145082	US	63/260041		2022/05/27
319	145083	CN	202280044948.X		
319	145083	EP	EP22852347.8		
319	145083	US	63/260043		
319	145083	US	17/882142		
319	145083	WO	PCT/CN2022/110590		
320	145084	CN	202210937490.2		
320	145084	EP	EP22188959.5		
320	145084	US	63/260049		
320	145084	US	17/882154		
321	145085	US	63/260051		
322	145086	US	63/260053		2022/05/25
323	145089	US	63/260057		



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
323	145089	US	17/882178		
324	145093	CN	202280053455.2		
324	145093	EP	EP22852274.4		
324	145093	US	63/260058		
324	145093	US	17/880684		
324	145093	WO	PCT/CN2022/110106		
325	145246	US	63/233246		
325	145246	US	18/294430		
325	145246	WO	PCT/CN2022/111817		
326	145622	US	63/240735		
326	145622	US	17/898763		
327	145808	CN	202211116859.X		
327	145808	EP	EP22195642.8		
327	145808	TW	111134759		2023/07/20
327	145808	US	63/244185		
327	145808	US	17/943813		
328	146278	US	63/250949		2022/07/28
329	146279	CN	202211204322.9		
329	146279	EP	EP22198815.7		
329	146279	US	63/250962		
329	146279	US	17/951878		
330	146290	CN	202211216459.6		
330	146290	DE	22198868.6		
330	146290	EP	EP22198868.6		
330	146290	FR	22198868.6		
330	146290	GB	22198868.6		
330	146290	US	63/251496		
330	146290	US	17/954675		
331	146296	US	63/251501		
331	146296	US	18/697584		
331	146296	WO	PCT/CN2022/120333		
332	146297	US	63/251504		
332	146297	US	17/957641		
333	146299	US	63/251507		
333	146299	US	17/958392		
334	146300	US	63/251511		
334	146300	US	18/697590		
334	146300	WO	PCT/CN2022/123634		
335	146341	US	63/253735		
335	146341	US	18/699588		
335	146341	WO	PCT/CN2022/123558		
336	146540	US	63/255873		
336	146540	US	17/966147		
337	146541	US	63/255877		
337	146541	US	17/966160		



MT

No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
338	146542	US	63/255888		
338	146542	US	17/966173		
339	146576	US	63/262682		2022/08/10
340	146613	US	63/262743		
340	146613	US	17/968774		
341	146637	US	63/262863		2022/08/10
342	146672	US	63/262940		2022/08/19
343	146756	EP	EP22886142.3		
343	146756	US	63/263226		
343	146756	US	17/976746		
343	146756	WO	PCT/CN2022/128374		
344	146925	US	63/263570		2022/09/06
345	146967	US	63/263655		
345	146967	US	17/978131		
346	147418	US	63/264319		2022/10/18
347	147545	US	63/264585		
347	147545	US	17/994216		
348	148289	US	63/265774		
348	148289	US	18/083726		
349	148444	US	63/266003		2022/10/24
350	148468	US	63/266048		
350	148468	US	18/724895		
350	148468	WO	PCT/CN2022/142146		
351	148997	US	63/304510		
351	148997	WO	PCT/CN2023/072648		
352	148998	US	63/304514		
352	148998	WO	PCT/CN2023/072670		
353	148999	US	63/304521		
353	148999	US	18/098835		
353	148999	WO	PCT/CN2023/072692		
354	149459	US	63/269024		
354	149459	US	18/116476		
355	149495	US	63/318311		
355	149495	WO	PCT/CN2023/080189		
356	149525	US	63/319211		
356	149525	US	18/180142		
357	149747	EP	EP23164025.1		
357	149747	US	63/269958		
357	149747	US	18/125874		
358	149748	US	63/323907		2023/01/03
359	149749	US	63/269953		2022/12/16
360	149750	US	63/269954		2023/01/03
361	149751	US	63/269963		
361	149751	WO	PCT/CN2023/083209		
362	150177	US	63/331607		



MT

No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
362	150177	US	18/300370		
363	150395	US	63/335502		
363	150395	US	18/307023		
363	150395	WO	PCT/CN2023/090988		
364	150414	US	63/336944		
364	150414	WO	PCT/CN2023/091838		
365	150415	US	63/336925		2023/03/09
366	150440	US	63/336967		
366	150440	WO	PCT/CN2023/091829		
367	150442	US	63/336982		
367	150442	WO	PCT/CN2023/091361		
368	150931	US	63/365536		2023/03/20
369	151668	US	63/355419		2023/04/18
370	151844	US	63/358359		2023/05/10
371	152041	US	63/389508		
372	152108	US	63/390525		
372	152108	WO	PCT/CN2023/107424		
373	152157	US	63/391184		
374	152566	CN	202311004402.4		
374	152566	EP	EP23190661.1		
374	152566	US	63/396935		
374	152566	US	18/230898		
375	152589	US	63/397233		
376	152590	US	63/397215		
377	152595	US	63/397249		
377	152595	US	18/233207		
377	152595	WO	PCT/CN2023/112534		
378	152602	US	63/397555		
378	152602	US	18/233213		
379	152603	US	63/397792		
380	152607	US	63/397570		
381	152610	US	63/397800		
382	152988	US	63/402739		
383	153266	EP	EP23197377.7		
383	153266	US	63/406423		
383	153266	US	18/368180		
384	153306	US	63/407394		
385	153307	US	63/407406		
386	153558	US	63/410814		
387	153578	US	63/411430		
388	153583	US	63/411432		
388	153583	WO	PCT/CN2023/122761		
389	153762	US	63/412011		
389	153762	WO	PCT/CN2023/122049		
390	153778	US	63/412069		



MT

No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
391	153780	US	63/412101		
391	153780	WO	PCT/CN2023/122763		
392	153781	US	63/412034		
393	154611	US	63/421880		
394	154652	US	63/422768		
395	154653	US	63/422792		
396	154673	US	63/423429		
396	154673	WO	PCT/CN2023/130155		
397	155072	US	63/427910		
398	155536	US	63/432354		
398	155536	WO	PCT/CN2023/119231		
399	155869	US	63/436415		
399	155869	WO	PCT/CN2023/143444		
400	155892	US	63/436815		
400	155892	US	63/446605		
400	155892	WO	PCT/CN2024/070409		
401	155988	US	63/438683		
402	156057	US	63/439368		
402	156057	WO	PCT/CN2024/072860		
403	156235	US	63/443027		
403	156235	WO	PCT/CN2024/075135		
404	156466	US	63/446607		
404	156466	WO	PCT/CN2024/076242		
405	156468	US	63/446700		
405	156468	US	18/444606		
406	156469	US	63/446705		
406	156469	US	18/434109		
407	156470	US	63/446737		
407	156470	WO	PCT/CN2024/076912		
408	156471	US	63/446759		
408	156471	US	18/444612		
409	156475	US	63/446641		
409	156475	US	18/444603		
410	156476	US	63/446673		
410	156476	US	18/444727		
411	157067	US	63/455938		
411	157067	WO	PCT/CN2024/084684		
412	157083	US	63/456443		
412	157083	WO	PCT/CN2024/084687		
413	157244	US	63/457436		
413	157244	US	18/625915		
414	157281	EP	EP24168847.2		
414	157281	US	63/457440		
414	157281	US	18/628794		
415	157302	US	63/457442		



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
415	157302	WO	PCT/CN2024/085981		
416	157325	US	63/457804		
416	157325	US	18/628799		
417	157326	US	63/457805		
417	157326	US	18/628796		
417	157326	WO	PCT/CN2024/086472		
418	157327	US	63/457806		
418	157327	US	18/628797		
419	157361	US	63/458201		
419	157361	US	18/630888		
420	157846	US	63/466020		
420	157846	US	18/662115		
421	157852	US	63/466024		
421	157852	WO	PCT/CN2024/092314		
422	157853	US	63/466030		
423	158236	US	63/506347		
423	158236	US	18/734420		
424	159169	US	63/525292		
425	159552	US	63/526281		
426	159590	US	63/526542		
427	159883	US	63/529614		
428	159953	US	63/530155		
429	159962	US	63/530157		
430	159976	US	63/530368		
431	160046	US	63/530534		
432	160111	US	63/530797		
433	160156	US	63/531221		
434	160207	US	63/531690		
435	160254	US	63/532217		
436	160255	US	63/532216		
437	160263	US	63/532362		
438	160277	US	63/532213		
439	160989	US	63/537891		
440	161146	US	63/584271		
441	161264	US	63/585282		
442	161265	US	63/585285		
443	161298	US	63/585706		
444	161370	US	63/586189		
445	161371	US	63/586194		
446	161372	US	63/586206		
447	161981	US	63/596040		
448	16J01942	JP	特願 2016-191058		
449	16R00358	BR	BR112018069839-3		2023/10/25
449	16R00358	CA	3018891		2023/10/25
449	16R00358	CN	201610203546.6	CN107295678B	2036/04/01



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
449	16R00358	DE	17772960.5	602017068622.0	2037/02/10
449	16R00358	EP	EP17772960.5	EP3439407B1	2037/02/10
449	16R00358	FR	17772960.5	EP3439407B1	2037/02/10
449	16R00358	GB	17772960.5	EP3439407B1	2037/02/10
449	16R00358	IN	201847038987	524233	2037/02/10
449	16R00358	US	16/090212	US11039302B2	2037/02/10
449	16R00358	WO	PCT/CN2017/073229		
450	16R00526	CN	201780020616.7	CN109155985B	2037/04/03
450	16R00526	EP	EP17779584.6		
450	16R00526	EG	PCT/1568/2018	EG30740	2037/04/02
450	16R00526	KR	10-2018-7021666		2023/03/30
450	16R00526	KR	10-2022-7031579		2023/10/12
450	16R00526	RU	2018135300	RU2733780C2	2037/04/03
450	16R00526	US	62/319065		
450	16R00526	US	15/477299	10142957	2037/04/03
450	16R00526	US	15/477299	US10142957B2	2037/04/03
450	16R00526	WO	PCT/US2017/025692		
451	16R00679	AU	2017263316	AU2017263316B2	2037/05/08
451	16R00679	CN	201780029048.7	CN109479306B	2037/05/08
451	16R00679	DE	17724232.8	602017053677.6	2037/05/08
451	16R00679	EP	EP17724232.8	EP3456129B1	2037/05/08
451	16R00679	FR	17724232.8	EP3456129B1	2037/05/08
451	16R00679	GB	17724232.8	EP3456129B1	2037/05/08
451	16R00679	ID	PID201808876	IDP000080045B	2037/05/08
451	16R00679	IT	17724232.8	502022000017330	2037/05/08
451	16R00679	MX	MX/a/2018/013606	MX393146B	2037/05/08
451	16R00679	TR	17724232.8	2022/002799	2037/05/08
451	16R00679	US	62/333590		
451	16R00679	US	15/586958	11304226	2037/06/26
451	16R00679	WO	PCT/US2017/031552		
452	16R00682	CA	3023249		2023/07/24
452	16R00682	CN	201780029053.8	CN109479326B	2037/05/10
452	16R00682	EP	EP17725414.1		2022/02/28
452	16R00682	KR	10-2018-7033449	KR102380537B1	2037/05/10
452	16R00682	RU	2018139089	RU2735637C2	2037/05/10
452	16R00682	US	62/334964		
452	16R00682	US	15/590830		
452	16R00682	US	16/015288	US10397939B2	2037/05/09
452	16R00682	WO	PCT/US2017/031982		
453	16R00759	AU	2017297575	AU2017297575B2	2037/07/14
453	16R00759	CA	3030329		
453	16R00759	CN	201610561233.8	CN107623937B	2036/07/15
453	16R00759	DE	17827030.2	602017031821.3	2037/07/14
453	16R00759	EP	EP17827030.2	EP3487228B1	2037/07/14
453	16R00759	ES	17827030.2	EP3487228B1	2037/07/14



MT

No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
453	16R00759	FR	17827030.2	EP3487228B1	2037/07/14
453	16R00759	GB	17827030.2	EP3487228B1	2037/07/14
453	16R00759	IT	17827030.2	502021000030581	2037/07/14
453	16R00759	KR	10-2019-7003969	KR102319195B1	2037/07/14
453	16R00759	NZ	750250	NZ750250B2	2037/07/14
453	16R00759	PL	17827030.2	EP3487228B1	2037/07/14
453	16R00759	RU	2019104001	RU2736551C2	2037/07/14
453	16R00759	TR	17827030.2	2021/005284	2037/07/14
453	16R00759	US	16/317669		
453	16R00759	VN	1-2019-00689		
453	16R00759	WO	PCT/CN2017/092957		
453	16R00759	ZA	2019/00907	ZA201900907	2037/07/14
454	16R00801	AU	2017300354	AU2017300354B2	2037/07/21
454	16R00801	CN	201610585882.1		2023/01/31
454	16R00801	EP	EP17830495.2		2023/01/31
454	16R00801	KR	10-2019-7004551	KR102335718B1	2037/07/21
454	16R00801	RU	2019104003	RU2739157C2	2037/07/21
454	16R00801	US	16/319459	11212735	2038/06/18
454	16R00801	WO	PCT/CN2017/093797		
455	16R00831	BR	BR112019001403-9		
455	16R00831	CN	201610608661.1	CN107666709B	2036/07/28
455	16R00831	DE	17833570.9	602017062449.7	2037/07/27
455	16R00831	EP	EP17833570.9	EP3493613B1	2037/07/27
455	16R00831	FR	17833570.9	EP3493613B1	2037/07/27
455	16R00831	GB	17833570.9	EP3493613B1	2037/07/27
455	16R00831	IN	201917007345	522855	2037/07/27
455	16R00831	NL	17833570.9	EP3493613B1	2037/07/27
455	16R00831	PH	1-2019-500190		2023/10/25
455	16R00831	SE	17833570.9	EP3493613B1	2037/07/27
455	16R00831	US	16/320874	US10631268B2	2037/07/27
455	16R00831	WO	PCT/CN2017/094621		
456	16R00960	AU	2017298225	AU2017298225B2	2037/07/17
456	16R00960	CN	201780044000.3	CN109792331B	2037/07/17
456	16R00960	CN	201780043989.6	CN110036586B	2037/07/17
456	16R00960	EP	EP17745592.0		
456	16R00960	EP	EP17745593.8		
456	16R00960	ID	PID201901140	IDP000084431B	2023/03/29
456	16R00960	IN	201947005391	519018	2037/07/17
456	16R00960	MX	MX/a/2019/000693	MX399892B	2037/07/17
456	16R00960	RU	2019103086	RU2746301C2	2037/07/17
456	16R00960	US	62/363728		
456	16R00960	US	62/364736		
456	16R00960	US	15/649894	US10581559B2	2037/07/14
456	16R00960	US	15/649875	US10595166B2	2037/07/16
456	16R00960	VN	1-2019-00641	VN10038425B	2037/07/17



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
456	16R00960	WO	PCT/US2017/042413		
456	16R00960	WO	PCT/US2017/042393		
457	16R01055	CN	201610862427.1	CN107872898B	2036/09/28
457	16R01055	CO	NC2019/0004130	N/A	2037/08/15
457	16R01055	EP	EP17854601.6		
457	16R01055	ID	PID201903293	IDP000083710B	2037/08/15
457	16R01055	MX	MX/a/2019/003536	MX396509B	2037/08/15
457	16R01055	US	16/337335	US10856262B2	2037/08/15
457	16R01055	WO	PCT/CN2017/097509		
458	16R01078	AP	AP/P/2019/011307		
458	16R01078	AU	2017302541	AU2017302541B2	2037/07/25
458	16R01078	CN	201780046553.2	CN109845298B	2037/07/25
458	16R01078	EP	EP17835095.5		
458	16R01078	EG	PCT/102/2019	EG30955	2037/07/24
458	16R01078	ID	PID201901144	IDP000081020B	2037/07/25
458	16R01078	MX	MX/a/2019/001055	MX395725B	2037/07/25
458	16R01078	RU	2019103569	RU2735726C2	2037/07/25
458	16R01078	TH	1901000455		
458	16R01078	US	62/367590		
458	16R01078	US	15/659027	US10341941B2	2037/07/25
458	16R01078	US	16/433844	US10820258B2	2037/07/25
458	16R01078	US	16/998999	US11172429B2	2037/07/25
458	16R01078	US	17/478704	11778543	2037/10/22
458	16R01078	WO	PCT/US2017/043649		
459	16R01084	AU	2017308812	AU2017308812B2	2037/08/08
459	16R01084	CN	201780047668.3	CN110169159B	2037/08/08
459	16R01084	DE	17840129.5	602017046921.1	2037/08/08
459	16R01084	DK	17840129.5	EP3497998B1	2037/08/08
459	16R01084	EP	EP17840129.5	EP3497998B1	2037/08/08
459	16R01084	FR	17840129.5	EP3497998B1	2037/08/08
459	16R01084	GB	17840129.5	EP3497998B1	2037/08/08
459	16R01084	PT	17840129.5	EP3497998B1	2037/08/08
459	16R01084	RU	2019105730	RU2748670C2	2037/08/08
459	16R01084	SG	11201901069X	SG11201901069X	2037/08/08
459	16R01084	US	62/372095		
459	16R01084	US	15/671276	US10536949B2	2037/08/08
459	16R01084	WO	PCT/US2017/045846		
460	16R01086	AP	AP/P/2019/011395		2022/05/31
460	16R01086	BR	BR112019002413-1		
460	16R01086	CN	201780047294.5	CN109952731B	2037/08/07
460	16R01086	DE	17754565.4	602017066417.0	2037/08/07
460	16R01086	EP	EP17754565.4	EP3497847B1	2037/08/07
460	16R01086	FR	17754565.4	EP3497847B1	2037/08/07
460	16R01086	GB	17754565.4	EP3497847B1	2037/08/07
460	16R01086	IN	201947007986		2024/01/19



MT

No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
460	16R01086	IN	202448004429		
460	16R01086	US	62/372215		
460	16R01086	US	15/669688	US10440706B2	2037/09/19
460	16R01086	WO	PCT/US2017/045796		
461	16R01095	CN	201610873253.9	CN108307538B	2036/09/30
461	16R01095	US	16/337340	US11057958B2	2037/08/15
461	16R01095	WO	PCT/CN2017/097490		
462	16R01113	AU	2017316222	AU2017316222B2	2037/07/25
462	16R01113	CA	3034524		2023/11/06
462	16R01113	CN	201780051887.9	CN109964423B	2037/07/25
462	16R01113	EP	EP17844088.9		
462	16R01113	IL	264935	IL264935	2037/07/25
462	16R01113	KR	10-2019-7007784	KR102313893B1	2037/07/25
462	16R01113	PH	1-2019-500308		
462	16R01113	RU	2019105706	RU2738617C2	2037/07/25
462	16R01113	SG	11201901517Y	SG11201901517Y	2037/07/25
462	16R01113	US	62/378562		
462	16R01113	US	15/659085	10959207	2037/07/25
462	16R01113	WO	PCT/US2017/043589		
463	16R01122	BR	BR112019008344-8		
463	16R01122	CA	3041395		
463	16R01122	CN	201610974524.X	CN108023711B	2036/11/04
463	16R01122	DE	17868129.2	602017052044.6	2037/11/02
463	16R01122	DK	17868129.2	EP3537803B1	2037/11/02
463	16R01122	EP	EP17868129.2	EP3537803B1	2037/11/02
463	16R01122	EG	PCT/668/2019		2023/08/30
463	16R01122	FR	17868129.2	EP3537803B1	2037/11/02
463	16R01122	GB	17868129.2	EP3537803B1	2037/11/02
463	16R01122	ID	PID201904496	IDP000086707B	2037/11/02
463	16R01122	IL	266155	IL266155	2037/11/02
463	16R01122	IN	201947021811		2021/11/09
463	16R01122	IN	202148053319	497746	2039/05/31
463	16R01122	IT	17868129.2	502022000020126	2037/11/02
463	16R01122	PL	17868129.2	EP3537803B1	2037/11/02
463	16R01122	TH	1901002476		
463	16R01122	TR	17868129.2	2022/002540	2037/11/02
463	16R01122	US	16/343925	US11095413B2	2037/11/02
463	16R01122	WO	PCT/CN2017/109103		
464	16R01124	CN	201610974620.4	CN108023712B	2036/11/04
464	16R01124	US	16/343721	11290946	2037/11/02
464	16R01124	WO	PCT/CN2017/109089		
465	16R01136	JP	特願 2016-080159		
465	16R01136	US	16/093623	10623148	2023/07/26
465	16R01136	WO	PCT/JP2017/006170		
466	16R01181	BR	BR112019005780-3		



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
466	16R01181	CL	2019-00811	CL61390	2037/09/26
466	16R01181	CN	201780060196.5	CN110073692B	2037/09/26
466	16R01181	CO	NC2019/0004057	N/A	2022/09/21
466	16R01181	EP	EP17784465.1		
466	16R01181	ID	PID201903291	IDP000084138B	2037/09/26
466	16R01181	IN	201947016318		2021/11/08
466	16R01181	IN	202248007213		
466	16R01181	MX	MX/a/2019/003307	MX396419B	2037/09/26
466	16R01181	MY	PI2019001701		
466	16R01181	US	62/401066		
466	16R01181	US	15/717585	US10485000B2	2037/09/26
466	16R01181	WO	PCT/US2017/053529		
467	16R01185	CN	201780060369.3	CN110073685B	2037/09/29
467	16R01185	DE	17857505.6	602017045832.5	2037/09/29
467	16R01185	EP	EP17857505.6	EP3520450B1	2037/09/29
467	16R01185	ES	17857505.6	EP3520450B1	2037/09/29
467	16R01185	FR	17857505.6	EP3520450B1	2037/09/29
467	16R01185	GB	17857505.6	EP3520450B1	2037/09/29
467	16R01185	NL	17857505.6	EP3520450B1	2037/09/29
467	16R01185	US	62/401803		
467	16R01185	US	15/719733	US10383035B2	2037/09/29
467	16R01185	WO	PCT/US2017/054322		
468	16R01245	BR	BR112018070365-6		
468	16R01245	CN	201780020680.5	CN108886758B	2037/04/03
468	16R01245	EP	EP17779093.8		
468	16R01245	IN	201847041572		
468	16R01245	JP	特願 2016-075622		
468	16R01245	JP	特願 2018-510592	特許 6750003	2037/04/03
468	16R01245	US	16/091480	US11089542B2	2037/06/28
468	16R01245	WO	PCT/JP2017/013933		
469	16R01246	CA	3019903		
469	16R01246	CN	201780017188.2	CN108886757B	2037/04/03
469	16R01246	EP	EP17779092.0		
469	16R01246	JP	特願 2016-075623		
469	16R01246	KR	10-2018-7031925	KR102367342B1	2037/04/03
469	16R01246	TH	1801005631		
469	16R01246	US	16/091470	11785454	2037/04/03
469	16R01246	WO	PCT/JP2017/013931		
470	16R01285	JP	特願 2016-077076		
470	16R01285	US	16/091518		2020/09/11
470	16R01285	WO	PCT/JP2017/006484		
471	16R01286	AU	2017247235	AU2017247235B2	2037/02/22
471	16R01286	CN	201780015499.5	CN108781128B	2037/02/22
471	16R01286	DE	17778881.7	602017061546.3	2037/02/22
471	16R01286	DK	17778881.7	EP3442143B1	2037/02/22



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
471	16R01286	EP	EP17778881.7	EP3442143B1	2037/02/22
471	16R01286	FR	17778881.7	EP3442143B1	2037/02/22
471	16R01286	GB	17778881.7	EP3442143B1	2037/02/22
471	16R01286	IT	17778881.7	502022000074202	2037/02/22
471	16R01286	JP	特願 2016-077077		
471	16R01286	MX	MX/a/2018/012196	MX384677B	2037/02/22
471	16R01286	RU	2018134783	RU2745177C2	2037/02/22
471	16R01286	US	16/091101	US10602505B2	2037/02/22
471	16R01286	WO	PCT/JP2017/006486		
472	16R01288	JP	特願 2016-087789		
472	16R01288	US	16/096043		2022/10/13
472	16R01288	WO	PCT/JP2017/015724		
473	16R01289	JP	特願 2016-087790		
473	16R01289	US	16/095914	US11057851B2	2037/02/15
473	16R01289	WO	PCT/JP2017/005471		
474	16R01290	AE	P6001431/2018		2023/10/04
474	16R01290	BR	BR112018071391-0		
474	16R01290	CA	3019896		2023/07/19
474	16R01290	CN	201780022673.9		2022/04/30
474	16R01290	EP	EP17789293.2		2022/06/19
474	16R01290	EG	PCT/1671/2018		2022/01/24
474	16R01290	IN	201847039313	489639	2037/04/13
474	16R01290	JP	特願 2016-088914		
474	16R01290	JP	特願 2018-514492	特許 6688882	2037/04/13
474	16R01290	TH	1801006147		
474	16R01290	US	16/096294	US10855500B2	2037/05/22
474	16R01290	WO	PCT/JP2017/015110		
475	16R01292	AE	P6001462/2018	AEP60014622018	2037/02/02
475	16R01292	CN	201780022613.7	CN109076372B	2037/02/02
475	16R01292	DE	17788987.0	602017047216.6	2037/02/02
475	16R01292	EP	EP17788987.0	EP3451732B1	2037/02/02
475	16R01292	ES	17788987.0	EP3451732B1	2037/02/02
475	16R01292	FR	17788987.0	EP3451732B1	2037/02/02
475	16R01292	GB	17788987.0	EP3451732B1	2037/02/02
475	16R01292	ID	PID201808513	IDP000083300B	2037/02/02
475	16R01292	JP	特願 2016-090464		
475	16R01292	JP	特願 2018-514121	特許 6959910	2037/02/02
475	16R01292	PL	17788987.0	EP3451732B1	2037/02/02
475	16R01292	US	16/095958	11177866	2037/02/02
475	16R01292	WO	PCT/JP2017/003747		
476	16R01309	AT	17785657.2	EP3448095B1	2037/02/28
476	16R01309	CA	3021275		2023/10/25
476	16R01309	CN	201780017986.5	CN108886753B	2037/02/28
476	16R01309	DE	17785657.2	602017042979.1	2037/02/28
476	16R01309	EP	EP17785657.2	EP3448095B1	2037/02/28



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
476	16R01309	FR	17785657.2	EP3448095B1	2037/02/28
476	16R01309	GB	17785657.2	EP3448095B1	2037/02/28
476	16R01309	JP	特願 2016-084269		
476	16R01309	KR	10-2018-7021803		
476	16R01309	PT	17785657.2	EP3448095B1	2037/02/28
476	16R01309	TH	1801006392		
476	16R01309	US	16/095313	US10716144B2	2037/02/28
476	16R01309	WO	PCT/JP2017/007851		
477	16R01314	BR	BR112019012572-8		
477	16R01314	CA	3047626		
477	16R01314	CN	201611213899.0	CN108243468B	2036/12/23
477	16R01314	DE	17884303.3	602017080088.0	2037/12/19
477	16R01314	EP	EP17884303.3	EP3562208B1	2037/12/19
477	16R01314	FR	17884303.3	EP3562208B1	2037/12/19
477	16R01314	GB	17884303.3	EP3562208B1	2037/12/19
477	16R01314	IN	201947028676		2022/03/30
477	16R01314	IN	202248020006		
477	16R01314	KR	10-2019-7019901	KR102492495B1	2037/12/19
477	16R01314	NZ	755429		
477	16R01314	US	16/471196	11736987	2037/12/19
477	16R01314	US	18/216920		
477	16R01314	VN	1-2019-03921		
477	16R01314	WO	PCT/CN2017/117142		
477	16R01314	ZA	2019/04742	ZA201904742	2037/12/19
478	16R01315	CN	201611217085.4	CN108243469B	2036/12/23
478	16R01315	EP	EP17885333.9	EP3562209B1	2037/12/19
478	16R01315	GB	17885333.9	EP3562209B1	2037/12/19
478	16R01315	EP	EP17885333.9	EP3562209B1	2037/12/19
478	16R01315	US	16/471190	11818620	2037/12/19
478	16R01315	US	18/372293		
478	16R01315	WO	PCT/CN2017/117173		
479	16R01322	CN	201780015340.3	CN108781362B	2037/02/24
479	16R01322	DE	17762958.1	602017027415.1	2037/02/24
479	16R01322	EP	EP17762958.1	EP3429245B1	2037/02/24
479	16R01322	FR	17762958.1	EP3429245B1	2037/02/24
479	16R01322	GB	17762958.1	EP3429245B1	2037/02/24
479	16R01322	JP	特願 2016-046646		
479	16R01322	JP	特願 2016-080869		
479	16R01322	US	16/082693	US10708764B2	2037/02/24
479	16R01322	WO	PCT/JP2017/007075		
480	17R00007	CN	201780075132.2		2021/06/14
480	17R00007	CN	202110802990.0		
480	17R00007	EP	EP17887799.9		2023/06/12
480	17R00007	US	62/440425		
480	17R00007	US	16/473293		2023/03/27



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
480	17R00007	WO	PCT/JP2017/047206		
481	17R00010	BR	BR112019013374-7		
481	17R00010	CA	3048548		
481	17R00010	CN	201710012256.8	CN108282820B	2037/01/06
481	17R00010	EP	EP17890160.9	EP3567903B1	2037/12/28
481	17R00010	GB	17890160.9	EP3567903B1	2037/12/28
481	17R00010	IN	201947029802	535754	2037/12/18
481	17R00010	KR	10-2019-7020722		2022/05/11
481	17R00010	KR	10-2022-7022083	KR102581799B1	2037/12/18
481	17R00010	NZ	755555		
481	17R00010	EP	EP17890160.9	EP3567903B1	2037/12/28
481	17R00010	US	16/475507	11582680	2040/03/21
481	17R00010	VN	1-2019-04198	VN10037503B	2037/12/18
481	17R00010	WO	PCT/CN2017/116899		
481	17R00010	ZA	2019/04892	ZA201904892	2037/12/18
482	17R00175	AT	18702373.4	EP3566371B1	2038/01/03
482	17R00175	BR	BR112019013707-6	BR1120190137076B1	2038/01/03
482	17R00175	CL	2019-01857	CL61400	2038/01/03
482	17R00175	CN	201880005262.3	CN110291745B	2038/01/03
482	17R00175	CO	NC2019/0008014	N/A	2038/01/03
482	17R00175	DE	18702373.4	602018023882.4	2038/01/03
482	17R00175	DK	18702373.4	EP3566371B1	2038/01/03
482	17R00175	EP	EP18702373.4	EP3566371B1	2038/01/03
482	17R00175	FR	18702373.4	EP3566371B1	2038/01/03
482	17R00175	GB	18702373.4	EP3566371B1	2038/01/03
482	17R00175	ID	PID201906576	IDP000081902B	2038/01/03
482	17R00175	IL	267789	IL267789	2038/01/03
482	17R00175	IN	201947029965		
482	17R00175	IT	18702373.4	502021000100166	2038/01/03
482	17R00175	MX	MX/a/2019/008030	MX388796B	2038/01/03
482	17R00175	PT	18702373.4	EP3566371B1	2038/01/03
482	17R00175	US	62/442864		
482	17R00175	US	15/861967	US10455560B2	2038/01/03
482	17R00175	WO	PCT/US2018/012246		
483	17R00177	BR	BR112019013590-1		
483	17R00177	CA	3049107		
483	17R00177	CN	201880005893.5	CN110140324B	2038/01/03
483	17R00177	DE	18701831.2	602018023878.6	2038/01/03
483	17R00177	EP	EP18701831.2	EP3566370B1	2038/01/03
483	17R00177	FR	18701831.2	EP3566370B1	2038/01/03
483	17R00177	GB	18701831.2	EP3566370B1	2038/01/03
483	17R00177	IN	201947030167		
483	17R00177	PL	18701831.2	EP3566370B1	2038/01/03
483	17R00177	TR	18701831.2	2021/016783	2038/01/03
483	17R00177	US	62/442883		



MT

No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
483	17R00177	US	15/862001	US11166262B2	2038/01/20
483	17R00177	WO	PCT/US2018/012241		
484	17R00309	JP	特願 2016-126323		
484	17R00309	JP	特願 2016-126324		
484	17R00309	US	16/311057	US10972224B2	2037/04/28
484	17R00309	WO	PCT/JP2017/016923		
485	17R00310	JP	特願 2016-096133		
485	17R00310	JP	特願 2016-157352		
485	17R00310	US	16/300511	US10819388B2	2037/04/28
485	17R00310	WO	PCT/JP2017/016915		
486	17R00316	AU	2017264109	AU2017264109B2	2037/05/09
486	17R00316	CN	201780029074.X	CN109076540B	2037/05/09
486	17R00316	EP	EP17796130.7		
486	17R00316	JP	特願 2016-096128		
486	17R00316	PH	1-2018-502356		2023/08/30
486	17R00316	RU	2018139287	RU2740051C2	2037/05/09
486	17R00316	US	16/300629	US10798683B2	2037/09/11
486	17R00316	WO	PCT/JP2017/017519		
487	17R00317	CA	3023427		
487	17R00317	CN	201780029073.5	CN109155936B	2037/05/09
487	17R00317	EP	EP17796137.2		
487	17R00317	JP	特願 2016-096129		
487	17R00317	KR	10-2018-7032330	KR102325776B1	2037/05/09
487	17R00317	RU	2018139470	RU2739526C2	2037/05/09
487	17R00317	US	16/300067	US11057884B2	2037/05/09
487	17R00317	WO	PCT/JP2017/017541		
488	17R00326	CN	201780026639.9		2021/11/23
488	17R00326	EP	EP17806716.1		2020/09/29
488	17R00326	EP	EP20198187.5		2022/02/28
488	17R00326	JP	特願 2016-111855		
488	17R00326	US	16/305419	US11083008B2	2038/03/16
488	17R00326	WO	PCT/JP2017/020194		
489	17R00330	CN	201780031351.0	CN109417744B	2037/06/29
489	17R00330	EP	EP17820255.2		2023/03/29
489	17R00330	ID	PID201900701	IDP000087166B	2037/06/29
489	17R00330	IN	201817050115	492237	2037/06/29
489	17R00330	JP	特願 2018-525245	特許 7181794	2037/06/29
489	17R00330	JP	特願 2021-134397		2023/02/03
489	17R00330	US	16/314200		2020/06/05
489	17R00330	US	16/901591		2023/09/18
489	17R00330	WO	PCT/JP2017/023855		
490	17R00331	BR	BR112018077077-9		
490	17R00331	CA	3029496		
490	17R00331	CN	201780038157.5	CN109314907B	2037/06/29
490	17R00331	EP	EP17820256.0		2023/03/29



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
490	17R00331	JP	特願 2016-129850		
490	17R00331	MY	PI2018003000		
490	17R00331	US	16/313720	US11197221B2	2037/07/15
490	17R00331	WO	PCT/JP2017/023857		
491	17R00338	CN	201780045558.3	CN109845377B	2037/07/21
491	17R00338	DE	17831135.3	602017073516.7	2037/07/21
491	17R00338	EP	EP17831135.3	EP3490324B1	2037/07/21
491	17R00338	FR	17831135.3	EP3490324B1	2037/07/21
491	17R00338	GB	17831135.3	EP3490324B1	2037/07/21
491	17R00338	JP	特願 2016-144084		
491	17R00338	JP	特願 2018-528890	特許 6959918	2037/07/21
491	17R00338	NZ	749995		
491	17R00338	RU	2019101217	RU2741320C2	2037/07/21
491	17R00338	US	16/318717	US10863536B2	2037/08/25
491	17R00338	WO	PCT/JP2017/026443		
492	17R00341	AU	2017340216	AU2017340216B2	2037/08/14
492	17R00341	CN	201780061859.5	CN110140395B	2037/08/14
492	17R00341	EP	EP17858074.2		
492	17R00341	JP	特願 2016-198806		
492	17R00341	MX	MX/a/2019/003991	MX396420B	2037/08/14
492	17R00341	NZ	752976	NZ752976B2	2037/08/14
492	17R00341	US	16/339651	US11140599B2	2037/08/14
492	17R00341	WO	PCT/JP2017/029303		
493	17R00344	CN	201780062765.X	CN110115056B	2037/07/21
493	17R00344	EP	EP17861141.4		2023/05/11
493	17R00344	JP	特願 2016-199805		
493	17R00344	US	16/340705	US10863540B2	2037/07/21
493	17R00344	WO	PCT/JP2017/026489		
494	17R00346	AE	P6000571/2019		
494	17R00346	AP	AP/P/2019/011559	AP6504A	2023/05/26
494	17R00346	BR	BR112019007936-0		
494	17R00346	CA	3041225		2023/10/24
494	17R00346	CN	201780064890.4	CN110169161B	2037/08/29
494	17R00346	DE	17862765.9	602017072290.1	2037/08/29
494	17R00346	EP	EP17862765.9	EP3531765B1	2037/08/29
494	17R00346	FR	17862765.9	EP3531765B1	2037/08/29
494	17R00346	GB	17862765.9	EP3531765B1	2037/08/29
494	17R00346	IN	201917019081		2021/12/28
494	17R00346	IN	202218001599		
494	17R00346	JP	特願 2016-205837		
494	17R00346	JP	特願 2018-546177		2021/09/03
494	17R00346	JP	特願 2021-165414	特許 7262544	2037/08/29
494	17R00346	TH	1901002369		
494	17R00346	US	16/343427	US11140700B2	2037/08/29
494	17R00346	WO	PCT/JP2017/030961		



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
495	17R00380	AT	18705264.2	EP3577830B1	2038/01/30
495	17R00380	AU	2018216827	AU2018216827B2	2038/01/30
495	17R00380	CN	201880007624.2	CN110214430B	2038/01/30
495	17R00380	DE	18705264.2	602018054446.1	2038/01/30
495	17R00380	EP	EP18705264.2	EP3577830B1	2038/01/30
495	17R00380	FR	18705264.2	EP3577830B1	2038/01/30
495	17R00380	GB	18705264.2	EP3577830B1	2038/01/30
495	17R00380	ID	P00201907508	IDP000085379B	2038/01/30
495	17R00380	IN	201947033951		
495	17R00380	MY	PI2019004351	MY195908	2038/01/30
495	17R00380	PH	1-2019-501774		
495	17R00380	PT	18705264.2	EP3577830B1	2038/01/30
495	17R00380	RU	2019126927	RU2758801C2	2038/01/30
495	17R00380	SG	11201906951S		
495	17R00380	US	62/453944		
495	17R00380	US	15/884822	US10841904B2	2038/01/30
495	17R00380	WO	PCT/US2018/015988		
496	17R00387	JP	特願 2016-129853		
496	17R00387	JP	特願 2016-129854		
496	17R00387	JP	特願 2016-129855		
496	17R00387	JP	特願 2016-129856		
496	17R00387	US	16/310377	US10917910B2	2037/06/28
496	17R00387	US	16/310380	US10841902B2	2037/06/27
496	17R00387	WO	PCT/JP2017/023489		
496	17R00387	WO	PCT/JP2017/023794		
497	17R00390	JP	特願 2016-133247		
497	17R00390	US	16/313100	US11057847B2	2037/06/22
497	17R00390	WO	PCT/JP2017/022959		
498	17R00401	CN	201780056186.4	CN110050495B	2037/08/29
498	17R00401	EP	EP17852776.8		2023/05/26
498	17R00401	ID	PID201902307	IDP000082425B	2037/08/29
498	17R00401	JP	特願 2016-183903		
498	17R00401	MX	MX/a/2019/003172	MX396417B	2037/08/29
498	17R00401	NZ	751826		
498	17R00401	US	16/334396	US10904873B2	2037/10/26
498	17R00401	WO	PCT/JP2017/031019		
499	17R00403	AU	2017334682	AU2017334682B2	2037/08/15
499	17R00403	CL	2019-00813	CL63828	2037/08/15
499	17R00403	CN	201780060452.0	CN110073710B	2037/08/15
499	17R00403	CO	NC2019/0002747	N/A	2037/08/15
499	17R00403	EP	EP17855459.8	EP3522661B1	2037/08/15
499	17R00403	GB	17855459.8	EP3522661B1	2037/08/15
499	17R00403	JP	特願 2016-191053		
499	17R00403	KR	10-2019-7008673	KR102368384B1	2037/08/15
499	17R00403	MX	MX/a/2019/003531	MX396510B	2037/08/15



MT

No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
499	17R00403	PH	1-2019-500665		
499	17R00403	RU	2019108780	RU2745900C2	2037/08/15
499	17R00403	EP	EP17855459.8	EP3522661B1	2037/08/15
499	17R00403	US	16/337332	11546942	2037/08/15
499	17R00403	WO	PCT/JP2017/029384		
500	17R00411	CA	3056836		
500	17R00411	CN	201710180639.6	CN108633024B	2037/03/23
500	17R00411	DE	18770561.1	602018046436.0	2038/03/20
500	17R00411	EP	EP18770561.1	EP3606218B1	2038/03/20
500	17R00411	FR	18770561.1	EP3606218B1	2038/03/20
500	17R00411	GB	18770561.1	EP3606218B1	2038/03/20
500	17R00411	KR	10-2019-7030450		
500	17R00411	RU	2019132957	RU2764059C2	2038/03/20
500	17R00411	US	16/495710	US11044778B2	2038/03/20
500	17R00411	WO	PCT/CN2018/079595		
501	17R00487	CN	201880014439.6	CN110419186B	2038/03/21
501	17R00487	DE	18716778.8	602018037862.6	2038/03/21
501	17R00487	EP	EP18716778.8	EP3602926B1	2038/03/21
501	17R00487	ES	18716778.8	EP3602926B1	2038/03/21
501	17R00487	FR	18716778.8	EP3602926B1	2038/03/21
501	17R00487	GB	18716778.8	EP3602926B1	2038/03/21
501	17R00487	KR	10-2019-7030076		
501	17R00487	NL	18716778.8	EP3602926B1	2038/03/21
501	17R00487	RU	2019133163	RU2762917C2	2038/03/21
501	17R00487	SG	11201908726W	SG11201908726W	2038/03/21
501	17R00487	US	62/475766		
501	17R00487	US	15/928695	US10448414B2	2038/04/06
501	17R00487	WO	PCT/US2018/023582		
502	17R00507	CN	201710299812.4		
502	17R00507	US	16/608468		2021/04/20
502	17R00507	WO	PCT/CN2018/082491		
503	17R00519	AE	P6001839/2018		
503	17R00519	BR	BR112018077309-3		
503	17R00519	CN	201780037459.0	CN109417725B	2037/06/27
503	17R00519	DE	17824065.1	602017059502.0	2037/06/27
503	17R00519	EP	EP17824065.1	EP3484201B1	2037/06/27
503	17R00519	EG	PCT/2131/2018	EG30079	2037/06/26
503	17R00519	FR	17824065.1	EP3484201B1	2037/06/27
503	17R00519	GB	17824065.1	EP3484201B1	2037/06/27
503	17R00519	ID	PID201811181	IDP000080651B	2037/06/27
503	17R00519	IN	201817049003	467418	2037/06/27
503	17R00519	JP	特願 2016-133244		
503	17R00519	JP	特願 2016-133245		
503	17R00519	JP	特願 2016-133246		
503	17R00519	JP	特願 2018-526047	特許 6701334	2037/06/27



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
503	17R00519	TH	1801008102		
503	17R00519	US	16/313101	US10681697B2	2037/06/27
503	17R00519	WO	PCT/JP2017/023492		
504	17R00520	BR	BR112019000080-1		
504	17R00520	CN	201780039088.X	CN109417527B	2037/07/07
504	17R00520	EP	EP17824342.4		2023/06/05
504	17R00520	IN	201917001070		
504	17R00520	JP	特願 2016-135741		
504	17R00520	JP	特願 2018-526452	特許 7149846	2037/07/07
504	17R00520	US	16/314949	11362764	2037/07/25
504	17R00520	WO	PCT/JP2017/024947		
505	17R00521	CA	3029510		2023/09/04
505	17R00521	CN	201780039049.X	CN109417393B	2037/07/07
505	17R00521	EP	EP17824347.3		
505	17R00521	JP	特願 2016-135742		
505	17R00521	KR	10-2019-7000508	KR102398402B1	2037/07/07
505	17R00521	US	16/314807	11265107	2037/07/07
505	17R00521	WO	PCT/JP2017/024968		
505	17R00521	ZA	2019/00778	ZA201900778	2037/07/07
506	17R00522	AE	P6000044/2019		2023/12/18
506	17R00522	AE	P6000041/2024		
506	17R00522	AT	17827550.9	EP3487240B1	2037/07/07
506	17R00522	AU	2017296991	AU2017296991B2	2037/07/07
506	17R00522	CL	2019-00072	CL63955	2037/07/07
506	17R00522	CN	201780039048.5	CN109417794B	2037/07/07
506	17R00522	CO	NC2019/0000165	N/A	2037/07/07
506	17R00522	DE	17827550.9	602017041818.8	2037/07/07
506	17R00522	DK	17827550.9	EP3487240B1	2037/07/07
506	17R00522	EP	EP17827550.9	EP3487240B1	2037/07/07
506	17R00522	FR	17827550.9	EP3487240B1	2037/07/07
506	17R00522	GB	17827550.9	EP3487240B1	2037/07/07
506	17R00522	JP	特願 2016-139176		
506	17R00522	KR	10-2019-7000967	KR102482442B1	2037/07/07
506	17R00522	MX	MX/a/2019/000360	MX395724B	2037/07/07
506	17R00522	PT	17827550.9	EP3487240B1	2037/07/07
506	17R00522	RU	2019100055	RU2749809C2	2037/07/07
506	17R00522	SE	17827550.9	EP3487240B1	2037/07/07
506	17R00522	US	16/317370	US11184099B2	2037/07/07
506	17R00522	WO	PCT/JP2017/024950		
507	17R00523	AU	2017301071	AU2017301071B2	2037/07/14
507	17R00523	CN	201780038158.X	CN109479315B	2037/07/14
507	17R00523	DE	17830957.1	602017055013.2	2037/07/14
507	17R00523	DK	17830957.1	EP3490325B1	2037/07/14
507	17R00523	EP	EP17830957.1	EP3490325B1	2037/07/14
507	17R00523	EG	PCT/93/2019		



MT

No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
507	17R00523	FR	17830957.1	EP3490325B1	2037/07/14
507	17R00523	GB	17830957.1	EP3490325B1	2037/07/14
507	17R00523	JP	特願 2016-144083		
507	17R00523	MX	MX/a/2019/000878	MX395727B	2037/07/14
507	17R00523	PT	17830957.1	EP3490325B1	2037/07/14
507	17R00523	US	16/319152	US11096206B2	2037/07/14
507	17R00523	WO	PCT/JP2017/025742		
508	17R00524	AU	2017303719	AU2017303719B2	2037/07/26
508	17R00524	CN	201780046544.3	CN109845350B	2037/07/26
508	17R00524	DE	17834406.5	602017067274.2	2037/07/26
508	17R00524	EP	EP17834406.5	EP3493605B1	2037/07/26
508	17R00524	FR	17834406.5	EP3493605B1	2037/07/26
508	17R00524	GB	17834406.5	EP3493605B1	2037/07/26
508	17R00524	ID	PID201900590	IDP000090437B	2037/07/26
508	17R00524	JP	特願 2016-147057		
508	17R00524	MX	MX/a/2019/000699	MX395645B	2037/07/26
508	17R00524	PL	17834406.5	EP3493605B1	2037/07/26
508	17R00524	TR	17834406.5	2023/005138	2037/07/26
508	17R00524	US	16/319828	US11026181B2	2037/07/26
508	17R00524	WO	PCT/JP2017/027039		
509	17R00525	AU	2017302774	AU2017302774B2	2037/06/28
509	17R00525	CN	201780038132.5	CN109478951B	2037/06/28
509	17R00525	DE	17833951.1	602017072256.1	2037/06/28
509	17R00525	EP	EP17833951.1	EP3493436B1	2037/06/28
509	17R00525	FR	17833951.1	EP3493436B1	2037/06/28
509	17R00525	GB	17833951.1	EP3493436B1	2037/06/28
509	17R00525	JP	特願 2016-148113		
509	17R00525	KR	10-2019-7001820	KR102433711B1	2037/06/28
509	17R00525	RU	2019101650	RU2739589C2	2037/06/28
509	17R00525	US	16/319460	US11038625B2	2038/05/11
509	17R00525	WO	PCT/JP2017/023791		
510	17R00552	BR	BR112019020014-2		
510	17R00552	CA	3057389		
510	17R00552	CN	201880019082.0	CN110447299B	2038/03/28
510	17R00552	EP	EP18777356.9		
510	17R00552	IL	269692	IL269692	2038/03/28
510	17R00552	IN	201917039054	538142	2038/03/28
510	17R00552	KR	10-2019-7025902	KR102556226B1	2038/03/28
510	17R00552	PH	1-2019-502184		2023/07/26
510	17R00552	SG	11201908681T		
510	17R00552	US	62/478530		
510	17R00552	US	15/939204	US10820352B2	2038/06/29
510	17R00552	US	17/018127	11638304	2038/03/28
510	17R00552	WO	PCT/US2018/024968		
511	17R00625	BR	BR112019025411-0		



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
511	17R00625	CN	201710436318.8	CN109246710B	2037/06/09
511	17R00625	DE	18813950.5	602018055576.5	2038/06/08
511	17R00625	EP	EP18813950.5	EP3637820B1	2038/06/08
511	17R00625	EG	PCT/1932/2019		2023/10/04
511	17R00625	FR	18813950.5	EP3637820B1	2038/06/08
511	17R00625	GB	18813950.5	EP3637820B1	2038/06/08
511	17R00625	US	16/619860	US11233729B2	2038/07/12
511	17R00625	WO	PCT/CN2018/090394		
512	17R00626	CN	201710455174.0		2020/09/21
512	17R00626	EP	EP18817388.4		2021/03/03
512	17R00626	US	16/621076	11172537	2038/08/10
512	17R00626	WO	PCT/CN2018/090393		
513	17R00646	AP	AP/P/2020/012140		
513	17R00646	AU	2018286127	AU2018286127B2	2038/06/11
513	17R00646	BR	BR112019025860-4		
513	17R00646	CN	201710455302.1	CN109246766B	2037/06/15
513	17R00646	DE	18816744.9	602018065941.2	2038/06/11
513	17R00646	EP	EP18816744.9	EP3641371B1	2038/06/11
513	17R00646	FR	18816744.9	EP3641371B1	2038/06/11
513	17R00646	GB	18816744.9	EP3641371B1	2038/06/11
513	17R00646	ID	P00202000142		
513	17R00646	MX	MX/a/2019/014859	MX398055B	2038/06/11
513	17R00646	NZ	760625		
513	17R00646	US	16/620735	US11134527B2	2038/09/13
513	17R00646	VN	1-2020-00120		2023/10/02
513	17R00646	WO	PCT/CN2018/090622		
514	17R00660	AT	17836899.9	EP3496483B1	2037/07/31
514	17R00660	CA	3032525		2023/09/04
514	17R00660	CN	201780042507.5	CN109479278B	2037/07/31
514	17R00660	DE	17836899.9	602017045377.3	2037/07/31
514	17R00660	EP	EP17836899.9	EP3496483B1	2037/07/31
514	17R00660	FR	17836899.9	EP3496483B1	2037/07/31
514	17R00660	GB	17836899.9	EP3496483B1	2037/07/31
514	17R00660	JP	特願 2016-153476		
514	17R00660	JP	特願 2018-531877	特許 6773945	2037/07/31
514	17R00660	KR	10-2019-7003317	KR102265770B1	2037/07/31
514	17R00660	SE	17836899.9	EP3496483B1	2037/07/31
514	17R00660	US	16/322452	US10869165B2	2037/07/31
514	17R00660	WO	PCT/JP2017/027641		
515	17R00661	CA	3032262		2023/10/24
515	17R00661	CN	201780047645.2	CN109845208B	2037/08/09
515	17R00661	DE	17839560.4	602017047297.2	2037/08/09
515	17R00661	EP	EP17839560.4	EP3499830B1	2037/08/09
515	17R00661	FR	17839560.4	EP3499830B1	2037/08/09
515	17R00661	GB	17839560.4	EP3499830B1	2037/08/09



MT

No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
515	17R00661	JP	特願 2016-156242		
515	17R00661	JP	特願 2018-533552	特許 6800981	2037/08/09
515	17R00661	NL	17839560.4	EP3499830B1	2037/08/09
515	17R00661	SE	17839560.4	EP3499830B1	2037/08/09
515	17R00661	US	16/323039	11310818	2038/03/05
515	17R00661	VN	1-2019-00585	VN10035593B	2037/08/09
515	17R00661	WO	PCT/JP2017/029007		
516	17R00667	JP	特願 2016-191051		
516	17R00667	US	16/335657		2021/06/02
516	17R00667	WO	PCT/JP2017/030872		
517	17R00668	AE	P6000450/2019		
517	17R00668	BR	BR112019006033-2		
517	17R00668	CA	3038477		
517	17R00668	CN	201780060115.1	CN110115007B	2037/08/31
517	17R00668	EP	EP17855557.9		
517	17R00668	EG	PCT/494/2019		
517	17R00668	IL	265644	IL265644	2037/08/31
517	17R00668	IN	201917012700	541231	2037/08/31
517	17R00668	JP	特願 2016-191052		
517	17R00668	JP	特願 2018-542024	特許 7187314	2037/08/31
517	17R00668	US	16/337326	US10912046B2	2037/08/31
517	17R00668	WO	PCT/JP2017/031357		
518	17R00669	CN	201780060453.5	CN110050503B	2037/08/29
518	17R00669	EP	EP17855530.6		2023/01/02
518	17R00669	JP	特願 2016-191057		
518	17R00669	US	16/331930	US10848260B2	2037/08/29
518	17R00669	WO	PCT/JP2017/030873		
519	17R00740	CN	201710491434.X	CN109121220B	2037/06/23
519	17R00740	DE	18820875.5	602018038244.5	2038/06/22
519	17R00740	EP	EP18820875.5	EP3644680B1	2038/06/22
519	17R00740	ES	18820875.5	EP3644680B1	2038/06/22
519	17R00740	FR	18820875.5	EP3644680B1	2038/06/22
519	17R00740	GB	18820875.5	EP3644680B1	2038/06/22
519	17R00740	ID	P00201911591		2023/04/21
519	17R00740	MX	MX/a/2019/014882	MX397642B	2038/06/22
519	17R00740	NL	18820875.5	EP3644680B1	2038/06/22
519	17R00740	US	16/621061	11212826	2038/07/18
519	17R00740	WO	PCT/CN2018/092413		
520	17R00741	CN	201710454693.5	CN109150415B	2037/06/15
520	17R00741	DE	18817544.2		
520	17R00741	EP	EP18817544.2		
520	17R00741	FR	18817544.2		
520	17R00741	GB	18817544.2		
520	17R00741	SG	11201911793V		
520	17R00741	TW	107117111	TWI692988B	2038/05/17



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
520	17R00741	US	16/620626	11388626	2038/06/08
520	17R00741	WO	PCT/CN2018/090468		
521	17R00762	AU	2018263907	AU2018263907B2	2038/05/02
521	17R00762	CN	201880029641.6	CN110603765B	2038/05/02
521	17R00762	DE	18730467.0	602018052821.0	2038/05/02
521	17R00762	EP	EP18730467.0	EP3619861B1	2038/05/02
521	17R00762	EP	EP23174047.3		
521	17R00762	FR	18730467.0	EP3619861B1	2038/05/02
521	17R00762	GB	18730467.0	EP3619861B1	2038/05/02
521	17R00762	RU	2019136514	RU2767985C2	2038/05/02
521	17R00762	US	62/501489		
521	17R00762	US	15/970251	US10601551B2	2038/05/02
521	17R00762	WO	PCT/US2018/030686		
522	17R00765	AT	18794544.9	EP3619981B1	2038/05/03
522	17R00765	BR	BR112019022709-1	BR1120190227091B1	2038/05/03
522	17R00765	CA	3062307		
522	17R00765	CN	201880029668.5	CN110583056B	2038/05/03
522	17R00765	DE	18794544.9	602018026912.6	2038/05/03
522	17R00765	EP	EP18794544.9	EP3619981B1	2038/05/03
522	17R00765	ES	18794544.9	EP3619981B1	2038/05/03
522	17R00765	FR	18794544.9	EP3619981B1	2038/05/03
522	17R00765	GB	18794544.9	EP3619981B1	2038/05/03
522	17R00765	ID	P00201911162		
522	17R00765	IL	270270	IL270270	2038/05/03
522	17R00765	KR	10-2019-7035293	KR102583644B1	2038/05/03
522	17R00765	NL	18794544.9	EP3619981B1	2038/05/03
522	17R00765	SE	18794544.9	EP3619981B1	2038/05/03
522	17R00765	SG	11201910084Q		
522	17R00765	TH	1901006876		
522	17R00765	US	62/501716		
522	17R00765	US	15/970519	US10931497B2	2038/05/03
522	17R00765	WO	PCT/US2018/030915		
523	17R00795	CN	201710626984.8	CN109309555B	2037/07/27
523	17R00795	DE	18837879.8	602018053343.5	2038/07/23
523	17R00795	EP	EP18837879.8	EP3661094B1	2038/07/23
523	17R00795	FR	18837879.8	EP3661094B1	2038/07/23
523	17R00795	GB	18837879.8	EP3661094B1	2038/07/23
523	17R00795	TW	107119898	I734007	2038/06/07
523	17R00795	US	16/633089	11272451	2039/01/22
523	17R00795	WO	PCT/CN2018/096596		
523	17R00795	ZA	2020/00771	ZA202000771	2038/07/23
524	17R00799	AU	2018308491	AU2018308491B2	2038/07/23
524	17R00799	BR	BR112020001055-3		
524	17R00799	CN	201710627134.X	CN109309556B	2037/07/27
524	17R00799	DE	18839123.9	EP3661306B1	2038/07/23



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
524	17R00799	EP	EP18839123.9	EP3661306B1	2038/07/23
524	17R00799	FR	18839123.9	EP3661306B1	2038/07/23
524	17R00799	GB	18839123.9	EP3661306B1	2038/07/23
524	17R00799	ID	P00202001485		
524	17R00799	MX	MX/a/2020/000872	MX407676B	2038/07/23
524	17R00799	NZ	761859		
524	17R00799	US	16/632490	11337252	2038/09/09
524	17R00799	US	17/726379	11751254	2038/07/23
524	17R00799	VN	1-2020-01016	VN10037487B	2037/07/23
524	17R00799	WO	PCT/CN2018/096629		
524	17R00799	ZA	2020/01173	ZA202001173	2038/07/23
525	17R00837	US	62/517068		
525	17R00837	US	16/002176		
525	17R00837	WO	PCT/US2018/036235		
526	17R00842	AU	2018284843	AU2018284843B2	2038/06/13
526	17R00842	CN	201880039582.0	CN110999463B	2038/06/13
526	17R00842	DE	18737473.1	602018065195.0	2038/06/13
526	17R00842	EP	EP18737473.1	EP3639590B1	2038/06/13
526	17R00842	FR	18737473.1	EP3639590B1	2038/06/13
526	17R00842	GB	18737473.1	EP3639590B1	2038/06/13
526	17R00842	MX	MX/a/2019/014883	MX395723B	2038/06/13
526	17R00842	US	62/520518		
526	17R00842	US	16/008306	US10499386B2	2038/06/13
526	17R00842	WO	PCT/US2018/037327		
527	17R00997	AU	2018283292		2023/04/17
527	17R00997	CL	2019-03640	CL63283	2038/06/15
527	17R00997	CN	201880038876.1	CN110741593B	2038/06/15
527	17R00997	CO	NC2019/0014721	N/A	2022/04/16
527	17R00997	EP	EP18816476.8		
527	17R00997	ID	P00202000145	IDP000083484B	2038/06/15
527	17R00997	MX	MX/a/2019/014881	MX395785B	2038/06/15
527	17R00997	NZ	760629		
527	17R00997	RU	2019144350	RU2765035C2	2038/06/15
527	17R00997	US	62/520434		
527	17R00997	US	16/009704	US10805863B2	2038/06/15
527	17R00997	WO	PCT/US2018/037755		
528	17R01000	US	62/541430		
528	17R01000	US	16/052760	US10674380B2	2038/08/02
528	17R01000	WO	PCT/US2018/044932		
529	17R01038	JP	特願 2016-214930		
529	17R01038	US	16/342373		2021/01/15
529	17R01038	US	17/172215	11601246	2037/12/18
529	17R01038	WO	PCT/JP2017/039720		
530	17R01047	AU	2017354721	AU2017354721B2	2037/11/01
530	17R01047	CN	201780067161.4		



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
530	17R01047	DE	17867674.8	602017080693.5	2037/11/01
530	17R01047	EP	EP17867674.8	EP3537801B1	2037/11/01
530	17R01047	FR	17867674.8		
530	17R01047	GB	17867674.8		
530	17R01047	JP	特願 2016-214931		
530	17R01047	RU	2019113762	RU2758786C2	2037/11/01
530	17R01047	US	16/345283	US11051318B2	2037/11/01
530	17R01047	WO	PCT/JP2017/039565		
530	17R01047	ZA	2019/02906	ZA201902906	2037/11/01
531	17R01052	AU	2017387731	AU2017387731B2	2037/12/14
531	17R01052	CN	201780075388.3	CN110140383B	2037/12/14
531	17R01052	DE	17888134.8	602017073981.2	2037/12/14
531	17R01052	EP	EP17888134.8	EP3565317B1	2037/12/14
531	17R01052	FR	17888134.8	EP3565317B1	2037/12/14
531	17R01052	GB	17888134.8	EP3565317B1	2037/12/14
531	17R01052	JP	特願 2016-252807		
531	17R01052	MX	MX/a/2019/007706	MX396998B	2037/12/14
531	17R01052	RU	2019119567	RU2762797C2	2037/12/14
531	17R01052	US	16/472928	US11283581B2	2037/12/14
531	17R01052	WO	PCT/JP2017/044938		
532	17R01054	AP	AP/P/2019/011685		2021/09/22
532	17R01054	BR	BR112019013179-5		
532	17R01054	CN	201780072347.9	CN109983796B	2037/12/06
532	17R01054	EP	EP17888711.3		2023/05/02
532	17R01054	ID	PID201905452	IDP000082924B	2037/12/06
532	17R01054	IN	201917025489	511067	2037/12/06
532	17R01054	JP	特願 2016-255321		
532	17R01054	JP	特願 2018-558968	特許 6937324	2037/12/06
532	17R01054	NZ	754899		
532	17R01054	US	16/474270	11622386	2037/12/06
532	17R01054	VN	1-2019-03451		
532	17R01054	WO	PCT/JP2017/043844		
533	17R01069	CN	201780071457.3	CN110073704B	2037/12/01
533	17R01069	EP	EP17883741.5		2023/08/30
533	17R01069	ID	PID201904926	IDP000090418B	2037/12/01
533	17R01069	JP	特願 2016-246462		
533	17R01069	KR	10-2019-7016993		2023/03/21
533	17R01069	TH	1901003067		
533	17R01069	US	16/470990	US11051290B2	2037/12/01
533	17R01069	WO	PCT/JP2017/043283		
534	17R01071	AU	2017383771	AU2017383771B2	2037/12/05
534	17R01071	CN	201780071965.1	CN109997381B	2037/12/05
534	17R01071	DE	17884113.6	602017048083.5	2037/12/05
534	17R01071	EP	EP17884113.6	EP3562199B1	2037/12/05
534	17R01071	ES	17884113.6	EP3562199B1	2037/12/05



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
534	17R01071	FR	17884113.6	EP3562199B1	2037/12/05
534	17R01071	GB	17884113.6	EP3562199B1	2037/12/05
534	17R01071	ID	PID201905301	IDP000083714B	2037/12/05
534	17R01071	JP	特願 2016-246464		
534	17R01071	JP	特願 2018-557652	特許 6923558	2037/12/05
534	17R01071	MX	MX/a/2019/007235	MX395726B	2037/12/05
534	17R01071	MY	PI2019003487	MY198433	2037/12/05
534	17R01071	NL	17884113.6	EP3562199B1	2037/12/05
534	17R01071	PH	1-2019-501390		
534	17R01071	PL	17884113.6	EP3562199B1	2037/12/05
534	17R01071	SE	17884113.6	EP3562199B1	2037/12/05
534	17R01071	SG	11201905591X		
534	17R01071	US	16/470991	US11172390B2	2037/12/05
534	17R01071	WO	PCT/JP2017/043636		
535	17R01075	JP	特願 2016-239425		
535	17R01075	US	16/466834	US10979951B2	2037/12/15
535	17R01075	WO	PCT/JP2017/044168		
536	17R01123	CN	201710915127.X	CN109587797B	2037/09/29
536	17R01123	DE	18862411.8	602018060582.7	2038/09/20
536	17R01123	EP	EP18862411.8	EP3691375B1	2038/09/20
536	17R01123	FR	18862411.8	EP3691375B1	2038/09/20
536	17R01123	GB	18862411.8	EP3691375B1	2038/09/20
536	17R01123	KR	10-2020-7010538		
536	17R01123	TH	2001001408		
536	17R01123	US	16/649814	11297615	2038/12/24
536	17R01123	WO	PCT/CN2018/106735		
537	17R01130	AP	AP/P/2019/011747		2022/09/30
537	17R01130	BR	BR112019013919-2		2023/08/30
537	17R01130	CA	3049321		2023/08/30
537	17R01130	CN	201780082211.6	CN110140394B	2037/12/26
537	17R01130	EP	EP17889668.4		2023/08/30
537	17R01130	JP	特願 2017-000509		
537	17R01130	US	16/476095		2023/09/18
537	17R01130	WO	PCT/JP2017/046638		
538	17R01169	CN	201880006441.9	CN110192426B	2038/01/05
538	17R01169	EP	EP18739118.0		2022/10/25
538	17R01169	JP	特願 2017-001870		
538	17R01169	US	16/476902	11375546	2038/04/04
538	17R01169	WO	PCT/JP2018/000077		
539	17R01170	CN	201880007009.1		2022/10/06
539	17R01170	EP	EP18741852.0		2021/10/26
539	17R01170	JP	特願 2017-008710		
539	17R01170	US	16/478491		2020/09/16
539	17R01170	WO	PCT/JP2018/001629		
540	17R01171	CN	201880007115.X		2022/09/30



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
540	17R01171	EP	EP18742331.4		2022/10/25
540	17R01171	JP	特願 2017-008711		
540	17R01171	US	16/478493		2021/12/22
540	17R01171	WO	PCT/JP2018/001649		
541	17R01198	AP	AP/P/2020/012449		2023/07/26
541	17R01198	BR	BR112020008541-3		2023/07/26
541	17R01198	CA	3080423		2023/07/26
541	17R01198	CN	201711051853.8	CN109728876B	2037/10/31
541	17R01198	EP	EP18873108.7		
541	17R01198	IN	202047021870		
541	17R01198	KR	10-2020-7014552	KR102489351B1	2038/10/18
541	17R01198	NZ	764726		2023/07/26
541	17R01198	TW	107134480	I712328	2038/09/27
541	17R01198	US	16/759583	11637785	2039/05/13
541	17R01198	WO	PCT/CN2018/110842		
542	17R01210	AU	2018369185		2023/05/27
542	17R01210	CN	201711133700.8	CN109787736B	2037/11/15
542	17R01210	DE	18877809.6	602018053387.7	2038/11/14
542	17R01210	EP	EP18877809.6	EP3713132B1	2038/11/14
542	17R01210	FR	18877809.6	EP3713132B1	2038/11/14
542	17R01210	GB	18877809.6	EP3713132B1	2038/11/14
542	17R01210	IL	274666		2023/01/02
542	17R01210	US	16/762997	11540315	2040/11/23
542	17R01210	WO	PCT/CN2018/115427		
543	17R01217	JP	特願 2017-019385		
543	17R01217	US	16/483097	11178720	2038/02/01
543	17R01217	WO	PCT/JP2018/003411		
544	17R01221	AP	AP/P/2020/012317	AP6587A	2023/06/28
544	17R01221	AU	2018328285	AU2018328285B2	2038/09/06
544	17R01221	CN	201880057794.1	CN111096035B	2038/09/06
544	17R01221	DE	18785471.6	EP3679758B1	2038/09/06
544	17R01221	EP	EP18785471.6	EP3679758B1	2038/09/06
544	17R01221	FR	18785471.6	EP3679758B1	2038/09/06
544	17R01221	GB	18785471.6	EP3679758B1	2038/09/06
544	17R01221	US	62/556189		
544	17R01221	US	16/125004	US10820338B2	2039/02/01
544	17R01221	WO	PCT/US2018/049765		
545	17R01239	BR	BR112019019380-4		
545	17R01239	CA	3057283		
545	17R01239	CN	201880019006.X	CN110463265B	2038/03/23
545	17R01239	DE	18770310.3	602018025375.0	2038/03/23
545	17R01239	DK	18770310.3	EP3606168B1	2038/03/23
545	17R01239	EP	EP18770310.3	EP3606168B1	2038/03/23
545	17R01239	FR	18770310.3	EP3606168B1	2038/03/23
545	17R01239	GB	18770310.3	EP3606168B1	2038/03/23



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
545	17R01239	IN	201917037617	520951	2038/03/23
545	17R01239	IT	18770310.3	502022000003113	2038/03/23
545	17R01239	JP	特願 2017-057404		
545	17R01239	JP	特願 2019-507028	特許 6903738	2038/03/23
545	17R01239	JP	特願 2021-066144	特許 7094416	2038/03/23
545	17R01239	NZ	757381		2023/08/17
545	17R01239	PT	18770310.3	EP3606168B1	2038/03/23
545	17R01239	TR	18770310.3	2022/000709	2038/03/23
545	17R01239	US	16/495857	US11044061B2	2038/03/23
545	17R01239	VN	1-2019-05097		
545	17R01239	WO	PCT/JP2018/011760		
545	17R01239	ZA	2019/06250	ZA201906250	2038/03/23
546	17R01240	AP	AP/P/2019/011846	AP6362A	2038/03/23
546	17R01240	CL	2019-02654	CL65325	2038/03/23
546	17R01240	CN	201880018127.2	CN110431901B	2038/03/23
546	17R01240	CO	NC2019/0010166	N/A	2023/04/10
546	17R01240	DE	18770312.9	602018041723.0	2038/03/23
546	17R01240	EP	EP18770312.9	EP3606214B1	2038/03/23
546	17R01240	EP	EP22193738.6		
546	17R01240	ES	18770312.9	EP3606214B1	2038/03/23
546	17R01240	FR	18770312.9	EP3606214B1	2038/03/23
546	17R01240	GB	18770312.9	EP3606214B1	2038/03/23
546	17R01240	IT	18770312.9	502023000000096	2038/03/23
546	17R01240	JP	特願 2017-057405		
546	17R01240	JP	特願 2019-507038	特許 6837129	2038/03/23
546	17R01240	KR	10-2019-7027145		
546	17R01240	MX	MX/a/2019/011157	MX397589B	2038/03/23
546	17R01240	PL	18770312.9	EP3606214B1	2038/03/23
546	17R01240	RU	2019129504	RU2764281C2	2038/03/23
546	17R01240	TR	18770312.9	2022/016633	2038/03/23
546	17R01240	US	16/494812	US11134536B2	2038/04/07
546	17R01240	WO	PCT/JP2018/011864		
547	17R01244	JP	特願 2017-089789		
547	17R01244	US	16/608102		2020/12/30
547	17R01244	WO	PCT/JP2018/016166		
548	17R01246	JP	特願 2016-245164		
548	17R01246	US	16/469966		2020/09/28
548	17R01246	WO	PCT/JP2017/045498		
549	17R01248	JP	特願 2016-252806		
549	17R01248	US	16/473386	US11019684B2	2037/12/19
549	17R01248	WO	PCT/JP2017/045479		
550	17R01252	JP	特願 2017-001048		
550	17R01252	US	16/474925	11202328	2038/03/20
550	17R01252	WO	PCT/JP2017/047239		
551	17R01253	CN	201880007289.6	CN110214467B	2038/02/01



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
551	17R01253	EP	EP18747260.0		2022/12/25
551	17R01253	ID	P00201906667		2022/06/04
551	17R01253	JP	特願 2017-016698		
551	17R01253	KR	10-2019-7021821	KR102444764B1	2038/02/01
551	17R01253	MX	MX/a/2019/009023	MX403197B	2038/02/01
551	17R01253	US	16/482141		2022/05/25
551	17R01253	WO	PCT/JP2018/003399		
552	17R01256	BR	BR112020009581-8		2023/08/30
552	17R01256	CN	201711155499.3	CN109802812B	2037/11/17
552	17R01256	DE	18878901.0	602018054279.5	2038/11/15
552	17R01256	EP	EP18878901.0	EP3713137B1	2038/11/15
552	17R01256	FR	18878901.0	EP3713137B1	2038/11/15
552	17R01256	GB	18878901.0	EP3713137B1	2038/11/15
552	17R01256	IN	202047024058	495056	2038/11/15
552	17R01256	US	16/763570	11296833	2039/02/05
552	17R01256	WO	PCT/CN2018/115682		
553	17R01314	AT	18762209.7	EP3666001B1	2038/08/08
553	17R01314	BR	BR112020002699-9		
553	17R01314	CA	3072214		2023/07/05
553	17R01314	CN	201880051756.5	CN111279774B	2038/08/08
553	17R01314	DE	18762209.7	602018041433.9	2038/08/08
553	17R01314	EP	EP18762209.7	EP3666001B1	2038/08/08
553	17R01314	FR	18762209.7	EP3666001B1	2038/08/08
553	17R01314	GB	18762209.7	EP3666001B1	2038/08/08
553	17R01314	PT	18762209.7	EP3666001B1	2038/08/08
553	17R01314	US	16/100032	US10575299B2	2038/08/15
554	17R01395	BR	BR112020011139-2		
554	17R01395	CA	3084852		
554	17R01395	CN	201711290005.2		2023/05/02
554	17R01395	EP	EP18885636.3		
554	17R01395	IL	275157	IL275157	2038/12/07
554	17R01395	IN	202047026382	533437	2038/12/07
554	17R01395	KR	10-2020-7018048		
554	17R01395	US	16/769160	11563524	2038/12/07
554	17R01395	VN	1-2020-03639		
554	17R01395	WO	PCT/CN2018/119777		
554	17R01395	ZA	2020/03873	ZA202003873	2038/12/07
555	17R01400	BR	BR112019015730-1		2023/10/25
555	17R01400	CN	201880008566.5	CN110214466B	2038/02/02
555	17R01400	EP	EP18748355.7		
555	17R01400	IN	201917030823	507014	2038/02/02
555	17R01400	JP	特願 2017-017375		
555	17R01400	US	16/482564	11323917	2038/02/02
555	17R01400	VN	1-2019-04231	VN10037416B	2038/02/02
555	17R01400	WO	PCT/JP2018/003586		



MT

No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
556	17R01401	AU	2018215316	AU2018215316B2	2038/02/02
556	17R01401	CN	201880008835.8	CN110249599B	2038/02/02
556	17R01401	DE	18748479.5	602018040022.2	2038/02/02
556	17R01401	EP	EP18748479.5	EP3579515B1	2038/02/02
556	17R01401	FR	18748479.5	EP3579515B1	2038/02/02
556	17R01401	GB	18748479.5	EP3579515B1	2038/02/02
556	17R01401	JP	特願 2017-017371		
556	17R01401	MX	MX/a/2019/009160	MX397274B	2038/02/02
556	17R01401	RU	2019124007	RU2761513C2	2038/02/02
556	17R01401	US	16/482812	11489709	2038/07/07
556	17R01401	WO	PCT/JP2018/003569		
557	17R01405	AE	P6001228/2019		2023/10/25
557	17R01405	BR	BR112019016777-3		2023/10/25
557	17R01405	CN	201880013550.3	CN110326225B	2038/02/27
557	17R01405	EP	EP18760575.3		
557	17R01405	ID	P00201907462	IDP000083494B	2038/02/27
557	17R01405	IL	269016	IL269016	2038/02/27
557	17R01405	IN	201917032601	537205	2038/02/27
557	17R01405	JP	特願 2017-039409		
557	17R01405	JP	特願 2019-503005	特許 7094265	2038/02/27
557	17R01405	SG	11201907247P		
557	17R01405	US	16/489720	US10917152B2	2038/02/27
557	17R01405	WO	PCT/JP2018/007181		
558	18J02080	JP	特願 2018-188124		2021/01/18
558	18J02080	WO	PCT/JP2019/038795		
559	18J02120	AU	2019354342		2023/07/05
559	18J02120	CN	201980065206.3	CN113261383B	2039/10/03
559	18J02120	DE	19869794.8	602019042570.8	2039/10/03
559	18J02120	EP	EP19869794.8	EP3863369B1	2039/10/03
559	18J02120	FR	19869794.8	EP3863369B1	2039/10/03
559	18J02120	GB	19869794.8	EP3863369B1	2039/10/03
559	18J02120	JP	特願 2018-189949		2023/06/23
559	18J02120	RU	2021112576	RU2773240C1	2039/10/03
559	18J02120	US	17/282168	12022547	2041/03/31
559	18J02120	WO	PCT/JP2019/039184		
560	18J02128	JP	特願 2018-191530		
560	18J02128	WO	PCT/JP2019/039893		
561	18J02191	CN	201980072222.5	CN112997527B	2039/10/07
561	18J02191	EP	EP19879596.5		2023/07/26
561	18J02191	JP	特願 2018-203834		2021/07/01
561	18J02191	US	17/290410		2023/10/18
561	18J02191	WO	PCT/JP2019/039552		
562	18J02202	JP	特願 2018-205079		2021/10/19
562	18J02202	US	17/289949		
562	18J02202	WO	PCT/JP2019/041874		



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
563	18J02216	CN	201980072030.4	CN113039828B	2039/11/01
563	18J02216	EP	EP19880208.4		2022/08/29
563	18J02216	IN	202147024349		2023/04/12
563	18J02216	JP	特願 2018-206554	特許 7207951	2038/11/01
563	18J02216	MX	MX/a/2021/004949		
563	18J02216	US	17/289967	11997048	2041/01/14
563	18J02216	WO	PCT/JP2019/043046		
564	18J02221	JP	特願 2018-206556		2021/07/16
564	18J02221	US	17/290426		2023/10/24
564	18J02221	WO	PCT/JP2019/043047		
565	18J02236	CA	3118878		2023/07/05
565	18J02236	CN	201980072028.7		
565	18J02236	EP	EP19881613.4		2022/08/10
565	18J02236	JP	特願 2018-208714		2023/02/10
565	18J02236	RU	2021116162	RU2761392C1	2039/11/01
565	18J02236	US	17/291744		2023/02/10
565	18J02236	WO	PCT/JP2019/043048		
566	18J02264	JP	特願 2018-242660		2021/03/09
566	18J02264	US	17/418485	11570026	2041/06/25
566	18J02264	WO	PCT/JP2019/046559		
567	18J02279	CN	201980073590.1	CN112970324B	2039/11/01
567	18J02279	EP	EP19883944.1		2023/08/30
567	18J02279	ID	P00202104565		2023/06/17
567	18J02279	IN	202147026595		2023/06/10
567	18J02279	JP	特願 2018-215875		2023/05/26
567	18J02279	US	17/293944	11844015	2040/09/12
567	18J02279	WO	PCT/JP2019/043112		
568	18J02282	CN	201980072539.9		
568	18J02282	EP	EP19883950.8		2023/08/30
568	18J02282	IN	202147026569		
568	18J02282	JP	特願 2018-215878		2023/04/10
568	18J02282	KR	10-2021-7018608		
568	18J02282	US	17/293942	11963240	2040/09/14
568	18J02282	WO	PCT/JP2019/043717		
569	18J02290	CN	201980076493.8	CN113170302B	2039/11/15
569	18J02290	EP	EP19887166.7		2023/08/30
569	18J02290	JP	特願 2018-216495		2021/07/01
569	18J02290	US	17/295228		
569	18J02290	WO	PCT/JP2019/044795		
570	18J02291	JP	特願 2018-216496		
570	18J02291	WO	PCT/JP2019/044796		
571	18J02442	JP	特願 2018-239387		2021/03/16
571	18J02442	US	17/416650		2023/05/08
571	18J02442	WO	PCT/JP2019/048548		
572	18J02449	JP	特願 2018-239388		2021/03/16



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
572	18J02449	WO	PCT/JP2019/048549		
573	18J02486	JP	特願 2018-243038		2021/03/30
573	18J02486	WO	PCT/JP2019/049575		
574	18J02512	JP	特願 2018-242662		2021/02/05
574	18J02512	WO	PCT/JP2019/050423		
575	18J02528	JP	特願 2018-247863		2021/08/04
575	18J02528	US	17/299990		2023/03/22
575	18J02528	WO	PCT/JP2019/050425		
576	18R00009	AE	P6001501/2019		
576	18R00009	CA	3060172		
576	18R00009	CN	201880026636.X	CN110574459B	2038/04/26
576	18R00009	DE	18791703.4	602018046453.0	2038/04/26
576	18R00009	EP	EP18791703.4	EP3618534B1	2038/04/26
576	18R00009	EP	EP23151119.7		2023/09/14
576	18R00009	EG	PCT/1666/2019		2023/08/12
576	18R00009	ES	18791703.4	EP3618534B1	2038/04/26
576	18R00009	FR	18791703.4	EP3618534B1	2038/04/26
576	18R00009	GB	18791703.4	EP3618534B1	2038/04/26
576	18R00009	JP	特願 2017-087101		
576	18R00009	JP	特願 2019-514623	特許 6918928	2038/04/26
576	18R00009	KR	10-2019-7030992		
576	18R00009	NL	18791703.4	EP3618534B1	2038/04/26
576	18R00009	PL	18791703.4	EP3618534B1	2038/04/26
576	18R00009	RU	2019133293	RU2764540C2	2038/04/26
576	18R00009	TH	1901006513		
576	18R00009	TR	18791703.4	2023/002832	2038/04/26
576	18R00009	US	16/607413	US11063730B2	2038/04/29
576	18R00009	WO	PCT/JP2018/017006		
577	18R00014	AU	2018257334	AU2018257334B2	2038/04/26
577	18R00014	CN	201880027672.8		2023/06/06
577	18R00014	DE	18789906.7		
577	18R00014	EP	EP18789906.7	EP3618524B1	2038/04/26
577	18R00014	FR	18789906.7		
577	18R00014	GB	18789906.7		
577	18R00014	ID	P00201910548	IDP000082082B	2038/04/26
577	18R00014	IL	270173		2023/05/12
577	18R00014	JP	特願 2017-088204		
577	18R00014	JP	特願 2019-514625		2022/10/18
577	18R00014	MX	MX/a/2019/012826	MX396418B	2038/04/26
577	18R00014	MY	PI2019006328		
577	18R00014	SG	11201909990P		
577	18R00014	US	16/608287	US11128511B2	2038/09/03
577	18R00014	WO	PCT/JP2018/017011		
578	18R00015	BR	BR112019022424-6		
578	18R00015	CA	3061457		



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
578	18R00015	CN	201880027614.5		2023/05/29
578	18R00015	DE	18790369.5	602018046718.1	2038/04/24
578	18R00015	DK	18790369.5	EP3618490B1	2038/04/24
578	18R00015	EP	EP18790369.5	EP3618490B1	2038/04/24
578	18R00015	FR	18790369.5	EP3618490B1	2038/04/24
578	18R00015	GB	18790369.5	EP3618490B1	2038/04/24
578	18R00015	IN	201917043378	477102	2038/04/24
578	18R00015	JP	特願 2017-088205		
578	18R00015	JP	特願 2019-514524		2023/01/02
578	18R00015	NZ	758553		
578	18R00015	PT	18790369.5	EP3618490B1	2038/04/24
578	18R00015	US	16/608292		2023/04/28
578	18R00015	VN	1-2019-05947		2023/04/21
578	18R00015	WO	PCT/JP2018/016568		
578	18R00015	ZA	2019/07142	ZA201907142	2038/04/24
579	18R00016	AU	2018257199	AU2018257199B2	2038/04/25
579	18R00016	CN	201880026909.0	CN110603873B	2038/04/25
579	18R00016	EP	EP18792078.0	EP3618536B1	2038/04/25
579	18R00016	IL	270150	IL270150	2038/04/25
579	18R00016	JP	特願 2017-088206		
579	18R00016	JP	特願 2019-514574	特許 7201587	2038/04/25
579	18R00016	KR	10-2019-7031677	KR102523029B1	2038/04/25
579	18R00016	RU	2019134588	RU2764460C2	2038/04/25
579	18R00016	SG	11201909923X		
579	18R00016	TH	1901006776		
579	18R00016	EP	EP18792078.0	EP3618536B1	2038/04/25
579	18R00016	US	16/608237	US11101901B2	2038/06/12
579	18R00016	WO	PCT/JP2018/016793		
580	18R00017	JP	特願 2017-089790		
580	18R00017	US	16/606283	US11134451B2	2038/05/04
580	18R00017	WO	PCT/JP2018/016621		
581	18R00019	CN	201880073995.0	CN111512575B	2038/11/13
581	18R00019	EP	EP18877385.7		
581	18R00019	ID	P00202004140	IDP000088321B	2038/11/13
581	18R00019	PH	1-2020-550630		
581	18R00019	US	62/586364		
581	18R00019	US	16/190715	US10973013B2	2038/11/13
581	18R00019	WO	PCT/US2018/060785		
582	18R00021	US	62/586799		
582	18R00021	US	16/190536	US10805916B2	2038/11/23
582	18R00021	WO	PCT/US2018/060764		
583	18R00030	BR	BR112019021401-1		
583	18R00030	CN	201880025219.3	CN110521263B	2038/03/19
583	18R00030	EP	EP18788640.3		
583	18R00030	ID	P00201909123	IDP000082422B	2038/03/19



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
583	18R00030	JP	特願 2017-084698		
583	18R00030	US	16/605648	11177927	2038/07/01
583	18R00030	WO	PCT/JP2018/010743		
584	18R00032	AU	2018369764		2023/06/10
584	18R00032	CN	201880073948.6	CN111527714B	2038/11/14
584	18R00032	DE	18878757.6	602018051594.1	2038/11/14
584	18R00032	EP	EP18878757.6	EP3711202B1	2038/11/14
584	18R00032	FR	18878757.6	EP3711202B1	2038/11/14
584	18R00032	GB	18878757.6	EP3711202B1	2038/11/14
584	18R00032	ID	P00202004035	IDP000086023B	2038/11/14
584	18R00032	IN	202017023554	497203	2038/11/14
584	18R00032	PH	1-2020-550627		
584	18R00032	RU	2020119160	RU2763158C2	2038/11/14
584	18R00032	TH	2001002596		
584	18R00032	US	62/587323		
584	18R00032	US	16/191898	US10638507B2	2038/11/15
584	18R00032	VN	1-2020-03282		
584	18R00032	WO	PCT/US2018/061073		
585	18R00053	CA	3088708		2023/07/05
585	18R00053	CN	201810057863.0	CN110062474B	2038/01/19
585	18R00053	EP	EP18901641.3		
585	18R00053	SG	11202006766Q		
585	18R00053	US	16/961734	11395182	2039/03/23
585	18R00053	WO	PCT/CN2018/124353		
586	18R00080	CN	201711414552.7	CN109963336B	2037/12/22
586	18R00080	EP	EP18893067.1		2023/08/30
586	18R00080	MY	PI2020003189		2023/07/05
586	18R00080	RU	2020121173		2021/07/20
586	18R00080	US	16/954617	11736262	2040/11/08
586	18R00080	WO	PCT/CN2018/122610		
587	18R00085	BR	BR112020013612-3		2023/08/30
587	18R00085	CN	201810013313.9	CN110012454B	2038/01/05
587	18R00085	EP	EP18898090.8		2023/08/30
587	18R00085	IN	202047030463		
587	18R00085	US	16/959800		2023/04/19
587	18R00085	WO	PCT/CN2018/122345		
588	18R00374	CA	3088143		2023/07/05
588	18R00374	CN	201980007851.X	CN111869283B	2039/01/09
588	18R00374	DE	19738145.2	602019038214.6	2039/01/09
588	18R00374	EP	EP19738145.2	EP3738367B1	2039/01/09
588	18R00374	FR	19738145.2	EP3738367B1	2039/01/09
588	18R00374	GB	19738145.2	EP3738367B1	2039/01/09
588	18R00374	US	62/616233		
588	18R00374	US	16/244520	US11147101B2	2039/01/28
588	18R00374	WO	PCT/US2019/012885		



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
588	18R00374	ZA	2020/04183	ZA202004183	2039/01/09
589	18R00382	US	62/616266		
589	18R00382	US	16/961172	11477776	2041/01/02
589	18R00382	WO	PCT/US2019/012914		
590	18R00384	AP	AP/P/2020/012561	AP6597A	2023/09/28
590	18R00384	AU	2019207624	AU2019207624B2	2039/01/08
590	18R00384	CN	201980008169.2	CN111989965B	2039/01/08
590	18R00384	EP	EP19738446.4		
590	18R00384	EG	PCT/986/2020		
590	18R00384	ID	P00202005381	IDP000088710B	2039/01/08
590	18R00384	MX	MX/a/2020/007274	MX407604B	2039/01/08
590	18R00384	NZ	766396		2023/07/05
590	18R00384	RU	2020124371	RU2771959C2	2039/01/08
590	18R00384	US	62/616337		
590	18R00384	US	16/961196	11272566	2039/02/02
590	18R00384	WO	PCT/US2019/012748		
591	18R00468	AU	2019248657	AU2019248657B2	2039/03/28
591	18R00468	BR	BR112020019957-5		
591	18R00468	CN	201810286335.2	CN110351872B	2038/04/02
591	18R00468	EP	EP19781135.9	EP3780853B1	2039/03/28
591	18R00468	GB	19781135.9	EP3780853B1	2039/03/28
591	18R00468	ID	P00202008128	IDP000090439B	2039/03/28
591	18R00468	JP	特願 2020-553640	特許 7229270	2039/03/28
591	18R00468	KR	10-2020-7031611		
591	18R00468	PH	1-2020-551612		2023/07/26
591	18R00468	SG	11202009784U		
591	18R00468	EP	EP19781135.9	EP3780853B1	2039/03/28
591	18R00468	US	17/042739	11382161	2039/03/28
591	18R00468	WO	PCT/CN2019/080131		
592	18R00486	AU	2019246989	AU2019246989B2	2039/04/02
592	18R00486	CA	3095799		2023/07/05
592	18R00486	CN	201810285423.0	CN110351833B	2038/04/02
592	18R00486	EP	EP19781640.8		2023/01/30
592	18R00486	RU	2020135714		2021/07/20
592	18R00486	US	17/043958		2023/09/18
592	18R00486	WO	PCT/CN2019/081009		
593	18R00490	CN	201810293512.X		
593	18R00490	WO	PCT/CN2019/080807		
594	18R00500	CA	3063020		
594	18R00500	CN	201880030905.X	CN110622572B	2038/05/09
594	18R00500	DE	18797919.0	602018052902.0	2038/05/09
594	18R00500	DK	18797919.0	EP3637860B1	2038/05/09
594	18R00500	EP	EP18797919.0	EP3637860B1	2038/05/09
594	18R00500	FR	18797919.0	EP3637860B1	2038/05/09
594	18R00500	GB	18797919.0	EP3637860B1	2038/05/09



MT

No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
594	18R00500	IN	201917049559	521628	2038/05/09
594	18R00500	IT	18797919.0	502023000048189	2038/05/09
594	18R00500	JP	特願 2017-092901		
594	18R00500	US	16/612310	US11083043B2	2038/05/28
594	18R00500	WO	PCT/JP2018/017974		
595	18R00502	CA	3067979		
595	18R00502	CN	201880040784.7	CN110915294B	2038/06/19
595	18R00502	EP	EP18820565.2		2022/07/21
595	18R00502	EP	EP22189987.5		2023/03/29
595	18R00502	IN	202017001879	497947	2038/06/19
595	18R00502	JP	特願 2017-119513		
595	18R00502	US	16/624297	US11190995B2	2038/06/19
595	18R00502	WO	PCT/JP2018/023197		
596	18R00503	AT	18821359.9	EP3644648B1	2038/06/19
596	18R00503	AU	2018289916	AU2018289916B2	2038/06/19
596	18R00503	CL	2019-03740	CL63665	2038/06/19
596	18R00503	CN	201880040767.3	CN110945900B	2038/06/19
596	18R00503	CO	NC2020/0000294	N/A	2022/08/09
596	18R00503	DE	18821359.9	602018040439.2	2038/06/19
596	18R00503	DK	18821359.9	EP3644648B1	2038/06/19
596	18R00503	EP	EP18821359.9	EP3644648B1	2038/06/19
596	18R00503	FR	18821359.9	EP3644648B1	2038/06/19
596	18R00503	GB	18821359.9	EP3644648B1	2038/06/19
596	18R00503	ID	P00202000490	IDP000084851B	2038/06/19
596	18R00503	IN	202017002036		2022/05/19
596	18R00503	IN	202218029868		
596	18R00503	JP	特願 2017-119514	特許 7045808	2037/06/19
596	18R00503	MX	MX/a/2019/015590	MX397597B	2038/06/19
596	18R00503	NZ	760877	NZ760877B2	2038/06/19
596	18R00503	PT	18821359.9	EP3644648B1	2038/06/19
596	18R00503	SE	18821359.9	EP3644648B1	2038/06/19
596	18R00503	US	16/623663		2022/04/15
596	18R00503	WO	PCT/JP2018/023199		
597	18R00504	BR	BR112019027007-8		
597	18R00504	CA	3067783		
597	18R00504	CN	201880039865.5		
597	18R00504	DE	18819595.2	602018025120.0	2038/06/19
597	18R00504	EP	EP18819595.2	EP3644647B1	2038/06/19
597	18R00504	ES	18819595.2	EP3644647B1	2038/06/19
597	18R00504	FR	18819595.2	EP3644647B1	2038/06/19
597	18R00504	GB	18819595.2	EP3644647B1	2038/06/19
597	18R00504	IL	271591	IL271591	2038/06/19
597	18R00504	JP	特願 2017-119515	特許 6698587	2037/06/19
597	18R00504	KR	10-2020-7001378		
597	18R00504	NL	18819595.2	EP3644647B1	2038/06/19



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
597	18R00504	PL	18819595.2	EP3644647B1	2038/06/19
597	18R00504	RU	2020101662	RU2767983C2	2038/06/19
597	18R00504	SG	11201912042X		
597	18R00504	TH	1901007812		
597	18R00504	TR	18819595.2	2021/016701	2038/06/19
597	18R00504	US	16/623140	US11190930B2	2038/06/19
597	18R00504	WO	PCT/JP2018/023200		
598	18R00505	AU	2018289918	AU2018289918B2	2038/06/19
598	18R00505	CN	201880040825.2		2023/05/22
598	18R00505	DE	18821559.4	602018057998.2	2038/06/19
598	18R00505	EP	EP18821559.4	EP3644683B1	2038/06/19
598	18R00505	FR	18821559.4	EP3644683B1	2038/06/19
598	18R00505	GB	18821559.4	EP3644683B1	2038/06/19
598	18R00505	JP	特願 2017-119516		
598	18R00505	RU	2020101664	RU2770651C2	2038/06/19
598	18R00505	US	16/623652	11343678	2038/06/19
598	18R00505	WO	PCT/JP2018/023201		
599	18R00506	AP	AP/P/2020/012159	AP6583A	2023/03/29
599	18R00506	AU	2018289655	AU2018289655B2	2038/06/19
599	18R00506	BR	BR112019027134-1		
599	18R00506	CN	201880041104.3	CN110915293B	2038/06/19
599	18R00506	EP	EP18820773.2		
599	18R00506	ID	P00202000488	IDP000084850B	2038/06/19
599	18R00506	JP	特願 2017-119517	特許 6854712	2037/06/19
599	18R00506	MX	MX/a/2019/015592	MX399972B	2038/06/19
599	18R00506	MY	PI2019007620		
599	18R00506	US	16/624295	11723100	2038/07/27
599	18R00506	WO	PCT/JP2018/023203		
599	18R00506	ZA	2020/00348	ZA202000348	2038/06/19
600	18R00511	JP	特願 2017-107943		
600	18R00511	US	16/616857	US1146436B2	2038/09/14
600	18R00511	WO	PCT/JP2018/020646		
601	18R00512	AT	18818151.5	EP3641391B1	2038/06/08
601	18R00512	AU	2018284829	AU2018284829B2	2038/06/08
601	18R00512	CN	201880038572.5	CN110771202B	2038/06/08
601	18R00512	DE	18818151.5	602018047553.2	2038/06/08
601	18R00512	EP	EP18818151.5	EP3641391B1	2038/06/08
601	18R00512	FR	18818151.5	EP3641391B1	2038/06/08
601	18R00512	GB	18818151.5	EP3641391B1	2038/06/08
601	18R00512	ID	P00201911438		
601	18R00512	JP	特願 2017-115010		
601	18R00512	SE	18818151.5	EP3641391B1	2038/06/08
601	18R00512	US	16/619872	US11044040B2	2038/07/26
601	18R00512	WO	PCT/JP2018/022001		
602	18R00516	US	62/629980		



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
602	18R00516	US	16/968692	11290244	2039/05/06
602	18R00516	WO	PCT/US2019/014898		
603	18R00528	JP	特願 2017-109228		
603	18R00528	US	16/617080	11265133	2038/12/06
603	18R00528	WO	PCT/JP2018/019557		
604	18R00529	CN	201880037808.3	CN110720189B	2038/05/23
604	18R00529	EP	EP18817828.9		
604	18R00529	JP	特願 2017-115880		
604	18R00529	KR	10-2019-7037599	KR102578805B1	2038/05/23
604	18R00529	RU	2019143757	RU2769717C2	2038/05/23
604	18R00529	US	16/619522	US11128408B2	2038/06/18
604	18R00529	WO	PCT/JP2018/019799		
605	18R00534	JP	特願 2017-154083		
605	18R00534	US	16/629594	11309989	2039/02/24
605	18R00534	WO	PCT/JP2018/029908		
606	18R00537	CN	201880056973.3		2023/04/09
606	18R00537	DE	18852890.5	602018043218.3	2038/09/06
606	18R00537	EP	EP18852890.5	EP3681212B1	2038/09/06
606	18R00537	FR	18852890.5	EP3681212B1	2038/09/06
606	18R00537	GB	18852890.5	EP3681212B1	2038/09/06
606	18R00537	JP	特願 2017-170971		
606	18R00537	US	16/643604	11363592	2038/09/26
606	18R00537	WO	PCT/JP2018/033029		
607	18R00540	JP	特願 2017-172154		
607	18R00540	US	16/640769		2021/10/04
607	18R00540	WO	PCT/JP2018/028604		
608	18R00544	AE	P6000335/2020		2023/10/27
608	18R00544	BR	BR112020004841-0		
608	18R00544	CN	201880058962.9	CN111096024B	2038/09/11
608	18R00544	DE	18855632.8	602018056668.6	2038/09/11
608	18R00544	EP	EP18855632.8	EP3684125B1	2038/09/11
608	18R00544	EG	PCT/458/2020		
608	18R00544	FR	18855632.8	EP3684125B1	2038/09/11
608	18R00544	GB	18855632.8	EP3684125B1	2038/09/11
608	18R00544	ID	P00202002660	IDP000092421B	2038/09/11
608	18R00544	IN	202047015350	530010	2038/09/11
608	18R00544	JP	特願 2017-176818	特許 6937202	2037/09/14
608	18R00544	PH	1-2020-500471		
608	18R00544	US	16/645808	11265138	2038/12/12
608	18R00544	WO	PCT/JP2018/033707		
609	18R00546	JP	特願 2017-186513		
610	18R00548	JP	特願 2017-187874		
610	18R00548	US	16/650026	US11240695B2	2038/11/17
610	18R00548	WO	PCT/JP2018/034845		
611	18R00549	AE	P6000505/2020		2023/07/26



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
611	18R00549	AP	AP/P/2020/012335		2021/07/24
611	18R00549	AT	18866489.0	EP3697149B1	2038/10/11
611	18R00549	AU	2018349996	AU2018349996B2	2038/10/11
611	18R00549	CN	201880065575.8	CN111201822B	2038/10/11
611	18R00549	DE	18866489.0	602018037755.7	2038/10/11
611	18R00549	EP	EP18866489.0	EP3697149B1	2038/10/11
611	18R00549	FR	18866489.0	EP3697149B1	2038/10/11
611	18R00549	GB	18866489.0	EP3697149B1	2038/10/11
611	18R00549	JP	特願 2017-198335		2020/08/20
611	18R00549	MX	MX/a/2020/003468	MX407677B	2038/10/11
611	18R00549	NL	18866489.0	EP3697149B1	2038/10/11
611	18R00549	PT	18866489.0	EP3697149B1	2038/10/11
611	18R00549	RU	2020113070		2021/07/13
611	18R00549	SE	18866489.0	EP3697149B1	2038/10/11
611	18R00549	TH	2001001988		
611	18R00549	US	16/753738	11483826	2038/12/31
611	18R00549	WO	PCT/JP2018/037895		
612	18R00555	AE	P6001809/2019		
612	18R00555	AU	2018291354	AU2018291354B2	2038/06/28
612	18R00555	CN	201880040759.9	CN110771256B	2038/06/28
612	18R00555	DE	18825072.4	602018069330.0	2038/06/28
612	18R00555	EP	EP18825072.4	EP3648543B1	2038/06/28
612	18R00555	EG	PCT/2047/2019		
612	18R00555	FR	18825072.4	EP3648543B1	2038/06/28
612	18R00555	GB	18825072.4	EP3648543B1	2038/06/28
612	18R00555	IN	202047002915		
612	18R00555	JP	特願 2017-126273		
612	18R00555	KR	10-2020-7000448	KR102567297B1	2038/06/28
612	18R00555	PH	1-2019-502831		
612	18R00555	RU	2020102864	RU2770644C2	2038/06/28
612	18R00555	US	16/623818	11528773	2038/12/16
612	18R00555	WO	PCT/JP2018/024706		
613	18R00556	AR	20180101914	AR112655B1	2038/07/10
613	18R00556	CN	201880044402.8	CN110999465B	2038/07/18
613	18R00556	DE	18834351.1	602018050285.8	2038/07/18
613	18R00556	EP	EP18834351.1	EP3657875B1	2038/07/18
613	18R00556	FR	18834351.1	EP3657875B1	2038/07/18
613	18R00556	GB	18834351.1	EP3657875B1	2038/07/18
613	18R00556	IN	201917054280		
613	18R00556	JP	特願 2017-138981		
613	18R00556	US	16/628278	11224035	2039/04/01
613	18R00556	WO	PCT/JP2018/026927		
614	18R00601	BR	BR112020005435-6		
614	18R00601	CN	201880061311.5	CN111316729B	2038/09/25
614	18R00601	EP	EP18863452.1		



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
614	18R00601	IN	202017011788		2022/05/20
614	18R00601	IN	202218029629		
614	18R00601	JP	特願 2017-184638	特許 7100969	2037/09/26
614	18R00601	US	16/649589	11411697	2038/11/02
614	18R00601	WO	PCT/JP2018/035367		
615	18R00627	CN	201880039339.9	CN110771074B	2038/06/15
615	18R00627	DE	18817226.6	602018028620.9	2038/06/15
615	18R00627	EP	EP18817226.6	EP3641182B1	2038/06/15
615	18R00627	FR	18817226.6	EP3641182B1	2038/06/15
615	18R00627	GB	18817226.6	EP3641182B1	2038/06/15
615	18R00627	JP	特願 2017-117494		
615	18R00627	US	16/621637	US11109267B2	2038/09/21
615	18R00627	WO	PCT/JP2018/022902		
616	18R00701	JP	特願 2017-153038		
616	18R00701	US	16/636618		2022/02/13
616	18R00701	WO	PCT/JP2018/026047		
617	18R00707	JP	特願 2017-187871		
617	18R00707	US	16/644113	11283565	2038/10/31
617	18R00707	WO	PCT/JP2018/033489		
618	18R00708	JP	特願 2017-187872		
618	18R00708	US	16/647834		2021/09/27
618	18R00708	WO	PCT/JP2018/033495		
619	18R00709	CN	201880062782.8		2023/02/24
619	18R00709	EP	EP18861737.7		2023/06/28
619	18R00709	JP	特願 2017-187873		
619	18R00709	US	16/650792		2021/05/17
619	18R00709	US	17/350588		2023/01/16
619	18R00709	WO	PCT/JP2018/033790		
620	18R00710	JP	特願 2017-187875		
620	18R00710	US	16/648990	11202312	2038/10/10
620	18R00710	WO	PCT/JP2018/033611		
621	18R00838	CN	201810445672.1		
621	18R00838	US	17/054497		2021/12/16
621	18R00838	WO	PCT/CN2019/085833		
622	18R00840	BR	BR112020022660-2		
622	18R00840	CN	201810440469.5	CN110475371B	2038/05/09
622	18R00840	DE	19800433.5	602019038751.2	2039/05/08
622	18R00840	EP	EP19800433.5	EP3813470B1	2039/05/08
622	18R00840	FR	19800433.5	EP3813470B1	2039/05/08
622	18R00840	GB	19800433.5	EP3813470B1	2039/05/08
622	18R00840	ID	P00202009493	IDP000087341B	2039/05/08
622	18R00840	KR	10-2020-7034186		
622	18R00840	US	17/054040	11445553	2039/06/17
622	18R00840	WO	PCT/CN2019/086030		
623	18R00841	CN	201810445552.1		



MT

No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
623	18R00841	EP	EP19800437.6		2022/12/07
623	18R00841	US	17/054508	11652596	2039/08/13
623	18R00841	WO	PCT/CN2019/086183		
624	18R01103	BR	BR112020024789-8		
624	18R01103	CN	201810585298.5	CN110582089B	2038/06/07
624	18R01103	DE	19815312.4	602019024867.9	2039/06/06
624	18R01103	EP	EP19815312.4	EP3806562B1	2039/06/06
624	18R01103	ES	19815312.4	EP3806562B1	2039/06/06
624	18R01103	FR	19815312.4	EP3806562B1	2039/06/06
624	18R01103	GB	19815312.4	EP3806562B1	2039/06/06
624	18R01103	ID	P00202100087	IDP000087796B	2039/06/06
624	18R01103	KR	10-2021-7000091		
624	18R01103	PL	19815312.4	EP3806562B1	2039/06/06
624	18R01103	US	16/972892	11445528	2039/06/06
624	18R01103	WO	PCT/CN2019/090293		
625	18R01144	CN	201810851209.7		2023/07/17
625	18R01144	EP	EP19842343.6		2022/08/17
625	18R01144	US	17/263154	11553409	2039/11/09
625	18R01144	WO	PCT/CN2019/097250		
626	18R01235	AU	2019265902	AU2019265902B2	2039/05/10
626	18R01235	BR	BR112020022800-1		
626	18R01235	CA	3099967		
626	18R01235	CN	201980031630.6	CN112602354B	2039/05/10
626	18R01235	DE	19800727.0	602019048290.6	2039/05/10
626	18R01235	EP	EP19800727.0	EP3791629B1	2039/05/10
626	18R01235	FR	19800727.0	EP3791629B1	2039/05/10
626	18R01235	GB	19800727.0	EP3791629B1	2039/05/10
626	18R01235	IN	202047053579		
626	18R01235	MY	PI2020005890		
626	18R01235	RU	2020140409	RU2767172C1	2039/05/10
626	18R01235	US	62/669838		
626	18R01235	US	16/408853	US10660023B2	2039/05/10
626	18R01235	VN	1-2020-07158		
626	18R01235	WO	PCT/US2019/031669		
627	18R01237	US	62/669913		
627	18R01237	US	16/407787		2020/12/02
627	18R01237	WO	PCT/US2019/031280		
628	18R01238	US	62/669922		
628	18R01238	US	16/407852	US11139926B2	2039/12/04
628	18R01238	WO	PCT/US2019/031302		
629	18R01257	CA	3106045		2023/07/05
629	18R01257	CN	201810754064.9	CN110708766B	2038/07/10
629	18R01257	DE	19834170.3	602019024910.1	2039/07/09
629	18R01257	EP	EP19834170.3	EP3823411B1	2039/07/09
629	18R01257	FR	19834170.3	EP3823411B1	2039/07/09



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
629	18R01257	GB	19834170.3	EP3823411B1	2039/07/09
629	18R01257	IN	202147005242		
629	18R01257	IT	19834170.3	502023000018531	2039/07/09
629	18R01257	MX	MX/a/2021/000359		2039/07/09
629	18R01257	TR	19834170.3	2023/001882	2039/07/09
629	18R01257	US	17/258970	11700663	2040/01/16
629	18R01257	US	18/200800		
629	18R01257	WO	PCT/CN2019/095232		
630	18R01295	AU	2019317388		2023/07/05
630	18R01295	CN	201810899869.2	CN110831226B	2038/08/08
630	18R01295	DE	19846872.0	602019025362.1	2039/08/01
630	18R01295	EP	EP19846872.0	EP3836711B1	2039/08/01
630	18R01295	FR	19846872.0	EP3836711B1	2039/08/01
630	18R01295	GB	19846872.0	EP3836711B1	2039/08/01
630	18R01295	KR	10-2021-7006994		
630	18R01295	RU	2021105657	RU2776353C1	2039/08/01
630	18R01295	US	17/263891	12035357	2041/08/24
630	18R01295	WO	PCT/CN2019/098854		
631	18R01346	AU	2019322270		2023/07/05
631	18R01346	CN	201810926770.7	CN110830955B	2038/08/14
631	18R01346	DE	19850136.3	602019049183.2	2039/08/09
631	18R01346	EP	EP19850136.3	EP3840429B1	2039/08/09
631	18R01346	FR	19850136.3	EP3840429B1	2039/08/09
631	18R01346	GB	19850136.3	EP3840429B1	2039/08/09
631	18R01346	MX	MX/a/2021/001724		
631	18R01346	RU	2021106266		2021/07/20
631	18R01346	US	17/265792		
631	18R01346	WO	PCT/CN2019/099981		
632	18R01436	US	62/689044		
632	18R01436	US	16/447953		2021/08/24
632	18R01436	WO	PCT/US2019/038349		
633	18R01472	CN	201880073994.6		
633	18R01472	EP	EP18878644.6		
633	18R01472	JP	特願 2017-219907		2022/08/23
633	18R01472	JP	特願 2022-150334		
633	18R01472	MX	MX/a/2020/005003		2023/08/01
633	18R01472	TW	107140548	I778176	2038/11/12
633	18R01472	US	16/764264	11601950	2038/11/13
633	18R01472	WO	PCT/JP2018/041984		
634	18R01474	JP	特願 2017-234143		
634	18R01474	US	16/769494	11290990	2038/12/01
634	18R01474	WO	PCT/JP2018/041165		
635	18R01478	JP	特願 2017-249045		
635	18R01478	US	16/954519	US11228476B2	2038/11/08
635	18R01478	WO	PCT/JP2018/041484		



MT

No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
636	18R01481	JP	特願 2017-253556		
636	18R01481	US	16/954866		2021/02/02
636	18R01481	WO	PCT/JP2018/040237		
637	18R01483	JP	特願 2017-251431		
637	18R01483	US	16/954511	11323156	2038/11/26
637	18R01483	WO	PCT/JP2018/043402		
638	18R01533	CA	3108109		2023/07/05
638	18R01533	CN	201810859584.6		
638	18R01533	EP	EP19844551.2		2023/05/11
638	18R01533	IN	202147007485		
638	18R01533	RU	2021104816	RU2764543C1	2039/07/23
638	18R01533	US	17/264770	11778535	2040/06/28
638	18R01533	WO	PCT/CN2019/097255		
639	18R01535	CA	3114479		2023/07/05
639	18R01535	CN	201811145154.4	CN110971370B	2038/09/28
639	18R01535	DE	19865305.7	602019031894.4	2039/09/26
639	18R01535	EP	EP19865305.7	EP3860024B1	2039/09/26
639	18R01535	FR	19865305.7	EP3860024B1	2039/09/26
639	18R01535	GB	19865305.7	EP3860024B1	2039/09/26
639	18R01535	IN	202147019081		
639	18R01535	US	17/280432	11678212	2039/09/26
639	18R01535	VN	1-2021-02246		
639	18R01535	WO	PCT/CN2019/108157		
640	18R01539	CN	201811127800.4	CN110958688B	2038/09/26
640	18R01539	DE	19865918.7	EP3860245B1	2039/09/25
640	18R01539	EP	EP19865918.7	EP3860245B1	2039/09/25
640	18R01539	FR	19865918.7	EP3860245B1	2039/09/25
640	18R01539	GB	19865918.7	EP3860245B1	2039/09/25
640	18R01539	ID	P00202102988	IDP000090740B	2039/09/25
640	18R01539	KR	10-2021-7012279		
640	18R01539	MY	PI2021001693		2023/06/13
640	18R01539	US	17/278821	11653328	2039/09/25
640	18R01539	WO	PCT/CN2019/107801		
641	18R01595	AR	20180103153	AR113415B1	2038/10/30
641	18R01595	CN	201880070537.1	CN111328464B	2038/10/31
641	18R01595	EP	EP18873338.0		
641	18R01595	JP	特願 2017-211574	特許 7140489	2037/11/01
641	18R01595	MX	MX/a/2020/004461		2023/07/06
641	18R01595	US	16/759982	11368947	2039/01/27
641	18R01595	WO	PCT/JP2018/040502		
642	18R01599	JP	特願 2017-217078		
642	18R01599	US	16/759666	11284247	2039/02/04
642	18R01599	WO	PCT/JP2018/041486		
643	18R01604	JP	特願 2017-219903		
643	18R01604	US	16/759520	US11153928B2	2038/11/12



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
643	18R01604	WO	PCT/JP2018/041839		
644	18R01608	AP	AP/P/2020/012416	AP6555A	2023/08/30
644	18R01608	BR	BR112020009271-1		
644	18R01608	CA	3082458		
644	18R01608	CN	201880073288.1	CN111345106B	2038/11/15
644	18R01608	DE	18877953.2	602018053008.8	2038/11/15
644	18R01608	EP	EP18877953.2	EP3713365B1	2038/11/15
644	18R01608	FR	18877953.2	EP3713365B1	2038/11/15
644	18R01608	GB	18877953.2	EP3713365B1	2038/11/15
644	18R01608	IN	202017020302	512462	2038/11/15
644	18R01608	JP	特願 2017-219905	特許 7039258	2037/11/15
644	18R01608	NZ	764342		2023/07/05
644	18R01608	US	16/763324	11363638	2038/11/15
644	18R01608	VN	1-2020-02797		
644	18R01608	WO	PCT/JP2018/042277		
645	18R01610	AU	2018369297	AU2018369297B2	2038/11/20
645	18R01610	CN	201880075021.6	CN111373796B	2038/11/20
645	18R01610	EP	EP18879367.3		2023/06/10
645	18R01610	JP	特願 2017-222795		
645	18R01610	RU	2020120191		2022/08/11
645	18R01610	US	16/765410	11405842	2038/11/20
645	18R01610	WO	PCT/JP2018/042862		
646	18R01611	CN	201880075148.8	CN111373797B	2038/11/20
646	18R01611	DE	18878113.2	602018066012.7	2038/11/20
646	18R01611	EP	EP18878113.2	EP3716685B1	2038/11/20
646	18R01611	FR	18878113.2	EP3716685B1	2038/11/20
646	18R01611	GB	18878113.2	EP3716685B1	2038/11/20
646	18R01611	ID	P00202004441		2023/09/26
646	18R01611	IN	202017024619	508703	2038/11/20
646	18R01611	JP	特願 2017-222796		2022/01/04
646	18R01611	US	16/765417	11405829	2038/11/20
646	18R01611	WO	PCT/JP2018/042858		
647	18R01612	BR	BR112020011435-9		2023/08/30
647	18R01612	CA	3085291		2023/07/05
647	18R01612	CN	201880079505.8	CN111448838B	2038/12/13
647	18R01612	EP	EP18888174.2		2023/08/30
647	18R01612	JP	特願 2017-238476	特許 7115843	2037/12/13
647	18R01612	US	16/771110	11201713	2039/01/05
647	18R01612	WO	PCT/JP2018/045909		
648	18R01613	AU	2018384223	AU2018384223B2	2038/12/11
648	18R01613	CN	201880079780.X	CN111466145B	2038/12/11
648	18R01613	DE	18887394.7	602018058925.2	2038/12/11
648	18R01613	EP	EP18887394.7	EP3726899B1	2038/12/11
648	18R01613	FR	18887394.7	EP3726899B1	2038/12/11
648	18R01613	GB	18887394.7	EP3726899B1	2038/12/11



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
648	18R01613	JP	特願 2017-238477	特許 7027150	2037/12/13
648	18R01613	RU	2020119405	RU2774063C2	2038/12/11
648	18R01613	US	16/771623	11387948	2038/12/22
648	18R01613	WO	PCT/JP2018/045449		
649	18R01618	JP	特願 2017-253551		
649	18R01618	US	16/956846	11382165	2039/01/30
649	18R01618	WO	PCT/JP2018/046536		
650	18R01619	AR	20180103783	AR113670B1	2038/12/21
650	18R01619	AU	2018394170		2023/08/07
650	18R01619	CL	2020-01737	CL65432	2038/12/27
650	18R01619	CN	201880084111.1	CN111567134B	2038/12/27
650	18R01619	CO	NC2020/0007847	N/A	2023/06/14
650	18R01619	EP	EP18895059.6		
650	18R01619	ID	P00202004814	IDP000088117B	2038/12/27
650	18R01619	JP	特願 2017-253552	特許 7043252	2037/12/28
650	18R01619	MX	MX/a/2020/006722	MX409106B	2038/12/27
650	18R01619	US	16/957706	11375563	2038/12/27
650	18R01619	WO	PCT/JP2018/048080		
651	18R01620	AR	20180103784	AR114007B1	2038/12/21
651	18R01620	BR	BR112020012998-4		
651	18R01620	CL	2020-01735		2022/08/05
651	18R01620	CN	201880084002.X	CN111527789B	2038/12/27
651	18R01620	CO	NC2020/0007820	N/A	2023/06/26
651	18R01620	EP	EP18896706.1		
651	18R01620	IN	202017027067	527600	2038/12/27
651	18R01620	JP	特願 2017-253553	特許 7145611	2037/12/28
651	18R01620	MX	MX/a/2020/006723		2038/12/27
651	18R01620	US	16/957709	11582094	2038/12/27
651	18R01620	WO	PCT/JP2018/048066		
652	18R01621	AE	P6000953/2020		
652	18R01621	BR	BR112020012681-0		
652	18R01621	CA	3086835		
652	18R01621	CN	201880083885.2		
652	18R01621	EP	EP18895686.6		2023/05/29
652	18R01621	JP	特願 2017-253554		2022/10/28
652	18R01621	KR	10-2020-7020365	KR102492757B1	2038/12/27
652	18R01621	TW	107147770	I794386	2038/12/26
652	18R01621	US	16/957700	US11245575B2	2038/12/27
652	18R01621	WO	PCT/JP2018/048358		
652	18R01621	ZA	2020/03875	ZA202003875	2038/12/27
653	18R01623	CN	201880083985.5	CN111567006B	2038/12/27
653	18R01623	EP	EP18894260.1		2023/08/30
653	18R01623	ID	P00202004562	IDP000093743B	2038/12/27
653	18R01623	JP	特願 2017-253557		
653	18R01623	JP	特願 2018-072268	特許 7101025	2038/04/04



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
653	18R01623	NZ	765409		2023/07/05
653	18R01623	US	16/954508	11363579	2039/01/19
653	18R01623	WO	PCT/JP2018/048137		
654	18R01645	US	62/688902		
654	18R01645	US	16/441311	US10986527B2	2039/06/13
654	18R01645	WO	PCT/US2019/037113		
655	18R01655	US	62/690690		
655	18R01655	US	16/452627		2020/12/14
655	18R01655	WO	PCT/US2019/039009		
656	18R01656	US	62/692291		
656	18R01656	US	16/454207		2022/04/12
656	18R01656	WO	PCT/US2019/039147		
657	18R01668	US	62/692324		
657	18R01668	US	16/455267		2020/08/19
657	18R01668	WO	PCT/US2019/039144		
658	18R01694	CN	201811248927.1	CN111093290B	2038/10/24
658	18R01694	EP	EP19876554.7		
658	18R01694	US	17/288222		
658	18R01694	WO	PCT/CN2019/112188		
659	18R01697	US	62/711156		
659	18R01697	US	17/263890		2023/04/20
659	18R01697	WO	PCT/JP2019/029438		
660	18R01701	CN	201980051730.5	CN112567802B	2039/07/30
660	18R01701	EP	EP19843688.3		2023/07/04
660	18R01701	US	62/714473		
660	18R01701	US	17/265788	12003330	2041/02/24
660	18R01701	WO	PCT/JP2019/029861		
661	18R01704	US	62/716780		
661	18R01704	WO	PCT/JP2019/031392		
662	18R01707	US	62/716828		
662	18R01707	WO	PCT/JP2019/031470		
663	18R01714	US	62/716939		
663	18R01714	US	17/266608	11617117	2039/08/08
663	18R01714	WO	PCT/JP2019/031472		
664	18R01749	CN	201811306070.4		
664	18R01749	WO	PCT/CN2019/114319		
665	18R01750	CN	201811294705.3	CN111132247B	2038/11/01
665	18R01750	US	17/290438	11974175	2040/09/16
665	18R01750	WO	PCT/CN2019/115022		
666	18R01763	AU	2019343578		2023/07/05
666	18R01763	CN	201980061295.4	CN112740744B	2039/09/12
666	18R01763	EP	EP19862662.4		2023/06/28
666	18R01763	IL	281647		2023/08/22
666	18R01763	RU	2021110552	RU2770842C1	2023/06/28
666	18R01763	US	62/734221		



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
666	18R01763	US	17/277049		
666	18R01763	WO	PCT/JP2019/035932		
667	18R01785	US	62/737886		
667	18R01785	US	17/280458		2023/10/26
667	18R01785	WO	PCT/JP2019/037105		
668	18R01907	US	62/730851		
668	18R01907	US	17/274780		
668	18R01907	WO	PCT/JP2019/035942		
669	18R01923	CN	201811500293.4		
669	18R01923	US	17/311483		
669	18R01923	WO	PCT/CN2019/123644		
670	18R01925	BR	BR112021005779-0		
670	18R01925	CN	201980060691.5	CN112715055B	2039/09/26
670	18R01925	EP	EP19865780.1		2023/06/28
670	18R01925	ID	P00202103099		2023/06/29
670	18R01925	US	62/738388		
670	18R01925	US	17/279522		
670	18R01925	WO	PCT/JP2019/037978		
670	18R01925	ZA	2021/02673	ZA202102673	2039/09/26
671	18R01930	US	62/748359		
671	18R01930	WO	PCT/JP2019/040286		
672	18R01932	CN	201980072538.4		
672	18R01932	EP	EP19878054.6		2023/07/26
672	18R01932	JP	特願 2021-523775		
672	18R01932	KR	10-2021-7016581		
672	18R01932	NG	NG/PT/C/2021/5429	N/A	
672	18R01932	US	62/753715		
672	18R01932	US	17/289940	11903070	2040/10/31
672	18R01932	WO	PCT/JP2019/042851		
673	18R01947	JP	特願 2018-001189		
673	18R01947	US	16/960078		2022/05/20
673	18R01947	WO	PCT/JP2019/000384		
674	18R01948	JP	特願 2018-001190		
674	18R01948	US	16/960079		2021/10/25
674	18R01948	WO	PCT/JP2019/000385		
675	18R01950	CL	2020-01834		2023/06/13
675	18R01950	CN	201980007695.7	CN111670551B	2039/01/09
675	18R01950	CO	NC2020/0008553	N/A	2023/06/28
675	18R01950	EP	EP19737973.8		
675	18R01950	ID	P00202005003	IDP000087068B	2039/01/09
675	18R01950	IN	202017028922	510620	2039/01/09
675	18R01950	JP	特願 2018-001724		2021/01/14
675	18R01950	JP	特願 2021-005292	特許 7303225	2038/01/10
675	18R01950	MX	MX/a/2020/007379		2039/01/09
675	18R01950	MY	PI2020003558		



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
675	18R01950	US	16/960561	11445533	2039/01/21
675	18R01950	WO	PCT/JP2019/000387		
676	18R01961	CN	201980011344.3	CN112005607B	2039/01/22
676	18R01961	EP	EP19748046.0		
676	18R01961	IN	202047037381		
676	18R01961	JP	特願 2018-016262		
676	18R01961	KR	10-2020-7025252		
676	18R01961	US	16/966880	11259319	2039/01/24
676	18R01961	WO	PCT/JP2019/001868		
677	18R01967	CA	3093648		
677	18R01967	CN	201980018815.3	CN112119663B	2039/03/12
677	18R01967	DE	19767613.3	602019051966.4	2039/03/12
677	18R01967	EP	EP19767613.3	EP3768014B1	2039/03/12
677	18R01967	FR	19767613.3	EP3768014B1	2039/03/12
677	18R01967	GB	19767613.3	EP3768014B1	2039/03/12
677	18R01967	IN	202047044005		
677	18R01967	JP	特願 2018-045143	特許 7099835	2038/03/13
677	18R01967	KR	10-2020-7029356		
677	18R01967	MX	MX/a/2020/009418		2039/03/12
677	18R01967	NG	NG/PT/C/2020/4894	N/A	2039/03/12
677	18R01967	RU	2020133400		2021/07/20
677	18R01967	US	16/979491	11617191	2039/03/12
677	18R01967	US	18/106016	11785599	2039/03/12
677	18R01967	WO	PCT/JP2019/009915		
678	18R01968	AU	2019234532		2022/08/09
678	18R01968	CN	201980019396.5	CN111869294B	2039/03/01
678	18R01968	DE	19766703.3	602019039648.1	2039/03/01
678	18R01968	EP	EP19766703.3	EP3768013B1	2039/03/01
678	18R01968	FR	19766703.3	EP3768013B1	2039/03/01
678	18R01968	GB	19766703.3	EP3768013B1	2039/03/01
678	18R01968	IN	202047044691		
678	18R01968	JP	特願 2018-047669	特許 7085868	2038/03/15
678	18R01968	US	16/980811	11641669	2039/03/01
678	18R01968	WO	PCT/JP2019/008163		
679	18R01978	JP	特願 2018-001722		
679	18R01978	US	16/960786	11324034	2039/02/17
679	18R01978	WO	PCT/JP2018/048239		
680	18R02015	US	62/716304		
680	18R02015	US	17/267005		2023/10/24
680	18R02015	WO	PCT/JP2019/031397		
681	18R02020	US	62/753699		
681	18R02020	US	17/290419		2023/10/20
681	18R02020	WO	PCT/JP2019/042852		
682	18R02100	CN	201910047349.3		
682	18R02100	US	17/423605		



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
682	18R02100	WO	PCT/CN2020/072410		
683	18R02101	JP	特願 2018-034592		
683	18R02101	WO	PCT/JP2019/006521		
684	18R02102	JP	特願 2018-019315		
684	18R02102	WO	PCT/JP2019/004090		
685	18R02108	CN	201910024866.9		2021/08/29
685	18R02108	WO	PCT/CN2019/130481		
686	19J00028	CN	202080008333.2		
686	19J00028	EP	EP20738220.1		2022/11/11
686	19J00028	JP	特願 2019-002869		2021/09/10
686	19J00028	US	17/422081		
686	19J00028	WO	PCT/JP2020/000313		
687	19J00035	CN	202080008734.8	CN113287341B	2040/01/08
687	19J00035	EP	EP20738303.5		
687	19J00035	ID	P00202106233		2023/08/07
687	19J00035	JP	特願 2019-003330	特許 7216553	2039/01/11
687	19J00035	KR	10-2021-7025477		
687	19J00035	US	17/422080	11882478	2040/08/01
687	19J00035	WO	PCT/JP2020/000314		
688	19J00113	AU	2020211503		2023/07/05
688	19J00113	BR	BR112021014536-2		
688	19J00113	CN	202080010792.4		
688	19J00113	EP	EP20745816.7		
688	19J00113	JP	特願 2019-010206	特許 7283908	2039/01/24
688	19J00113	US	17/425548		
688	19J00113	WO	PCT/JP2020/002530		
689	19J00218	JP	特願 2019-020708		2021/05/19
689	19J00218	US	17/429157		
689	19J00218	WO	PCT/JP2020/004487		
690	19J00269	JP	特願 2019-023757		2021/06/08
690	19J00269	WO	PCT/JP2020/002702		
691	19J00273	CN	202080014688.2	CN113475138B	2040/02/14
691	19J00273	EP	EP20755584.8		
691	19J00273	IN	202147039203		
691	19J00273	JP	特願 2019-024510	特許 7313839	2039/02/14
691	19J00273	NG	F/P/2021/231	N/A	
691	19J00273	US	17/430980		
691	19J00273	WO	PCT/JP2020/005751		
692	19J00275	JP	特願 2019-023756		2021/05/19
692	19J00275	WO	PCT/JP2020/003797		
693	19J00276	JP	特願 2019-023755		2021/06/06
693	19J00276	WO	PCT/JP2020/006384		
694	19J00288	CN	202080014490.4	CN113455074B	2040/02/12
694	19J00288	EP	EP20754889.2		2023/10/25
694	19J00288	JP	特願 2019-024513		2021/06/07



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
694	19J00288	US	17/430973		
694	19J00288	WO	PCT/JP2020/005401		
695	19J00356	JP	特願 2019-029256		2021/06/17
695	19J00356	WO	PCT/JP2020/005403		
696	19J00380	JP	特願 2019-030647		2021/07/06
696	19J00380	WO	PCT/JP2020/005824		
697	19J00403	JP	特願 2019-032632		2021/04/28
697	19J00403	WO	PCT/JP2020/002703		
698	19J00404	JP	特願 2019-032633		2021/04/28
698	19J00404	WO	PCT/JP2020/002704		
699	19J00405	JP	特願 2019-032634		2021/04/27
699	19J00405	WO	PCT/JP2020/005483		
700	19J00653	JP	特願 2019-054830		2021/06/29
700	19J00653	WO	PCT/JP2020/008213		
701	19J00656	CN	202080023167.3		
701	19J00656	EP	EP20779935.4		2022/12/28
701	19J00656	JP	特願 2019-054831		2021/06/27
701	19J00656	US	17/441942		2023/05/01
701	19J00656	WO	PCT/JP2020/011372		
702	19J00666	CN	202080024222.0	CN113615114B	2040/02/28
702	19J00666	EP	EP20776996.9		
702	19J00666	JP	特願 2019-057030		2021/07/06
702	19J00666	US	17/442984		
702	19J00666	WO	PCT/JP2020/008214		
703	19J00684	JP	特願 2019-060241		2021/07/08
703	19J00684	US	17/598462		
703	19J00684	WO	PCT/JP2020/008629		
704	19J00688	JP	特願 2019-060243		2021/06/10
704	19J00688	US	17/442997		
704	19J00688	WO	PCT/JP2020/008215		
705	19J00727	JP	特願 2019-066464		2021/07/08
705	19J00727	WO	PCT/JP2020/008988		
706	19J00751	AU	2020250381		2023/07/05
706	19J00751	CN	202080020102.3		
706	19J00751	EP	EP20784418.4		
706	19J00751	JP	特願 2019-067641		2023/04/10
706	19J00751	PH	1-2021-552436		
706	19J00751	US	17/599720		
706	19J00751	WO	PCT/JP2020/012804		
707	19R00026	CN	201910078121.0		
707	19R00026	WO	PCT/CN2020/073192		
708	19R00029	CN	201910077143.5		
708	19R00029	US	17/425551		2023/01/12
708	19R00029	WO	PCT/CN2020/073175		
709	19R00041	CN	201811579267.5		



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
709	19R00041	US	17/416652		
709	19R00041	WO	PCT/CN2019/126311		
710	19R00045	CN	201910061864.7		
710	19R00045	WO	PCT/CN2020/073178		
711	19R00139	CN	201910102819.1		
711	19R00139	EP	EP20748682.0		2023/09/28
711	19R00139	US	17/422931		
711	19R00139	WO	PCT/CN2020/073187		
712	19R00281	US	62/790356		
712	19R00281	US	17/421501		
712	19R00281	WO	PCT/JP2020/000168		
713	19R00318	CN	201910116786.6		
713	19R00318	US	17/430986		
713	19R00318	WO	PCT/CN2020/074607		
714	19R00367	JP	特願 2018-073224		2020/08/14
714	19R00367	WO	PCT/JP2019/014925		
715	19R00369	CN	201980024464.7	CN111937466B	2039/04/04
715	19R00369	EP	EP19780643.3		2023/08/11
715	19R00369	EP	EP23193078.5		
715	19R00369	JP	特願 2018-073226	特許 7064931	2038/04/05
715	19R00369	US	17/045427	11445540	2039/04/04
715	19R00369	US	17/877250	11937263	2039/04/04
715	19R00369	WO	PCT/JP2019/014923		
716	19R00386	CN	201910236043.2		
716	19R00386	US	17/598450		
716	19R00386	WO	PCT/CN2020/080846		
717	19R00391	CN	201910241578.9		2023/06/02
717	19R00391	WO	PCT/CN2020/081145		
718	19R00410	AU	2019248164	AU2019248164B2	2039/04/05
718	19R00410	CN	201980037357.8	CN112368960B	2039/04/05
718	19R00410	EP	EP19781036.9		
718	19R00410	ID	P00202008229	IDP000089862B	2039/04/05
718	19R00410	IN	202047047891	518890	2039/04/05
718	19R00410	JP	特願 2018-073685	特許 7197280	2038/04/06
718	19R00410	KR	10-2020-7032206		
718	19R00410	US	17/045635	11457380	2039/04/05
718	19R00410	VN	1-2020-06434		
718	19R00410	WO	PCT/JP2019/015185		
718	19R00410	ZA	2020/06732	ZA202006732	2039/04/05
719	19R00412	CA	3096815		2023/07/05
719	19R00412	CN	201980024461.3	CN111955051B	2039/04/09
719	19R00412	EP	EP19786170.1		
719	19R00412	JP	特願 2018-074587		2023/04/05
719	19R00412	JP	特願 2023-063606		
719	19R00412	RU	2020136416		2021/09/12



MT

No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
719	19R00412	US	17/045935	11252781	2039/04/09
719	19R00412	WO	PCT/JP2019/015487		
720	19R00413	CN	201980024451.X	CN111937481B	2039/04/09
720	19R00413	EP	EP19785628.9		2023/01/30
720	19R00413	JP	特願 2018-074588	特許 7123607	2038/04/09
720	19R00413	US	17/045640	11259345	2039/04/09
720	19R00413	WO	PCT/JP2019/015498		
721	19R00414	BR	BR112020020556-7		
721	19R00414	CN	201980024452.4	CN111955050B	2039/04/09
721	19R00414	EP	EP19785025.8		
721	19R00414	ID	P00202008359	IDP000092701B	2039/04/09
721	19R00414	JP	特願 2018-074589	特許 7339727	2038/04/09
721	19R00414	US	17/045643	11612004	2039/04/09
721	19R00414	WO	PCT/JP2019/015492		
722	19R00417	JP	特願 2018-091541		2021/05/06
722	19R00417	US	17/054509	11638283	2039/07/22
722	19R00417	WO	PCT/JP2019/018810		
723	19R00418	CN	201980031595.8		
723	19R00418	EP	EP19799524.4		2022/02/07
723	19R00418	IN	202047053508	522531	2039/05/08
723	19R00418	JP	特願 2018-091542	特許 7158174	2038/05/10
723	19R00418	KR	10-2020-7035205		
723	19R00418	US	17/054518		2023/04/19
723	19R00418	WO	PCT/JP2019/018401		
724	19R00419	CA	3100182		2023/07/05
724	19R00419	CN	201980031716.9	CN112119659B	2039/05/09
724	19R00419	DE	19800177.8	602019034159.8	2039/05/09
724	19R00419	EP	EP19800177.8	EP3793247B1	2039/05/09
724	19R00419	FR	19800177.8	EP3793247B1	2039/05/09
724	19R00419	GB	19800177.8	EP3793247B1	2039/05/09
724	19R00419	IN	202047053321		
724	19R00419	JP	特願 2018-092185	特許 7079141	2038/05/11
724	19R00419	US	17/054765	11601990	2039/05/23
724	19R00419	WO	PCT/JP2019/018645		
725	19R00422	JP	特願 2018-114398		2021/04/22
725	19R00422	US	17/252665		2022/09/07
725	19R00422	WO	PCT/JP2019/020009		
726	19R00424	JP	特願 2018-116153		2020/09/15
726	19R00424	WO	PCT/JP2019/024007		
727	19R00425	JP	特願 2018-116984		2020/09/22
727	19R00425	WO	PCT/JP2019/021993		
728	19R00429	JP	特願 2018-119582		2021/06/24
728	19R00429	WO	PCT/JP2019/024782		
729	19R00466	CA	3135063		
729	19R00466	CN	201910240800.3	CN111757534B	2039/03/27



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
729	19R00466	EP	EP20778473.7		
729	19R00466	MX	MX/a/2021/011773		
729	19R00466	RU	2021130315		2023/08/07
729	19R00466	US	17/598458		
729	19R00466	WO	PCT/CN2020/081377		
730	19R00472	CN	202080008694.7	CN113287355B	2040/01/09
730	19R00472	EP	EP20738999.0		
730	19R00472	RU	2021122796	RU2774332C1	2040/01/09
730	19R00472	US	62/790851		
730	19R00472	US	17/422094	12003334	2041/01/27
730	19R00472	WO	PCT/JP2020/000504		
731	19R00474	CN	202080008732.9	CN113287356B	2040/01/09
731	19R00474	EP	EP20737968.6		
731	19R00474	US	62/790911		
731	19R00474	US	17/413129		
731	19R00474	WO	PCT/JP2020/000506		
732	19R00476	US	62/790922		
732	19R00476	WO	PCT/JP2020/000507		
733	19R00493	CN	201980091704.5	CN113439453B	2039/12/26
733	19R00493	EP	EP19915470.9		2023/08/30
733	19R00493	ID	P00202106734		
733	19R00493	KR	10-2021-7025894		
733	19R00493	MY	PI2021004458		2023/07/05
733	19R00493	US	62/805762		
733	19R00493	US	17/428787		
733	19R00493	WO	PCT/JP2019/051279		
734	19R00499	US	62/811375		
734	19R00499	WO	PCT/JP2020/007528		
735	19R00500	US	62/812112		
735	19R00500	WO	PCT/JP2020/008181		
736	19R00530	JP	特願 2018-086484	特許 7066503	2038/04/27
736	19R00530	US	17/050201	11265912	2039/04/25
736	19R00530	WO	PCT/JP2019/017747		
737	19R00532	JP	特願 2018-091539		2020/09/08
737	19R00532	WO	PCT/JP2019/018510		
738	19R00534	CN	201980043119.8	CN112314020B	2039/05/31
738	19R00534	EP	EP19827000.1		
738	19R00534	JP	特願 2018-123022	特許 7289189	2038/06/28
738	19R00534	KR	10-2021-7001592		
738	19R00534	NG	NG/PT/C/2021/5143	N/A	2039/05/31
738	19R00534	US	17/255735	11310760	2039/05/31
738	19R00534	WO	PCT/JP2019/021866		
739	19R00536	CN	201980043071.0		
739	19R00536	EP	EP19826168.7		2022/03/20
739	19R00536	JP	特願 2018-123023		2021/04/22



MT

No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
739	19R00536	US	17/256626		
739	19R00536	WO	PCT/JP2019/023575		
740	19R00551	US	62/790820		
740	19R00551	WO	PCT/JP2020/000172		
741	19R00552	AU	2020205855		2023/07/05
741	19R00552	BR	BR112021013536-7		
741	19R00552	CN	202080008737.1	CN113383597B	2040/01/07
741	19R00552	EP	EP20737962.9		
741	19R00552	SG	11202107541Q	SG11202107541Q	2040/01/07
741	19R00552	US	62/790936		
741	19R00552	US	17/422090	12021626	2041/02/06
741	19R00552	WO	PCT/JP2020/000174		
742	19R00571	US	62/823402		
742	19R00571	US	17/440003		
742	19R00571	WO	PCT/JP2020/013107		
743	19R00589	CN	202080008698.5		
743	19R00589	EP	EP20738794.5		
743	19R00589	US	62/790345		
743	19R00589	US	17/422088	12028857	2041/01/15
743	19R00589	WO	PCT/JP2020/000021		
744	19R00632	US	62/825498		
744	19R00632	WO	PCT/JP2020/012759		
745	19R00637	US	62/825633		
745	19R00637	WO	PCT/JP2020/012760		
746	19R00671	JP	特願 2018-133134		2020/10/19
746	19R00671	WO	PCT/JP2019/026279		
747	19R00672	JP	特願 2018-133135		2020/10/08
747	19R00672	WO	PCT/JP2019/026280		
748	19R00680	CN	201980043845.X	CN112806079B	2039/07/26
748	19R00680	EP	EP19844223.8		
748	19R00680	JP	特願 2018-143408	特許 7246874	2038/07/31
748	19R00680	US	17/264767	11910417	2040/12/03
748	19R00680	WO	PCT/JP2019/029483		
749	19R00684	JP	特願 2018-149239		2020/12/10
749	19R00684	WO	PCT/JP2019/029042		
750	19R00685	JP	特願 2018-149238		
750	19R00685	WO	PCT/JP2019/029043		
751	19R00686	AU	2019319257		2023/07/05
751	19R00686	BR	BR112021002253-8		
751	19R00686	CN	201980052438.5	CN112753240B	2039/07/19
751	19R00686	EP	EP19846569.2	EP3836606B1	2039/07/19
751	19R00686	GB	19846569.2	EP3836606B1	2039/07/19
751	19R00686	JP	特願 2018-148466	特許 7251935	2038/08/07
751	19R00686	EP	EP19846569.2	EP3836606B1	2039/07/19
751	19R00686	US	17/266606	11849345	2039/07/28



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
751	19R00686	WO	PCT/JP2019/028538		
752	19R00688	JP	特願 2018-149241		2021/06/06
752	19R00688	US	17/267007		2023/06/27
752	19R00688	WO	PCT/JP2019/028539		
753	19R00689	JP	特願 2018-149236		2021/06/23
754	19R00690	JP	特願 2018-149237		2021/06/23
755	19R00691	JP	特願 2018-151353		2020/11/24
755	19R00691	WO	PCT/JP2019/029484		
756	19R00692	JP	特願 2018-151354		2020/11/24
756	19R00692	WO	PCT/JP2019/029485		
757	19R00693	AU	2019320270		2023/07/05
757	19R00693	BR	BR112021002454-9		
757	19R00693	CN	201980052775.4	CN113016217B	2039/08/01
757	19R00693	EP	EP19846488.5	EP3836655B1	2039/08/01
757	19R00693	GB	19846488.5	EP3836655B1	2039/08/01
757	19R00693	JP	特願 2018-151355	特許 7251936	2038/08/10
757	19R00693	EP	EP19846488.5	EP3836655B1	2039/08/01
757	19R00693	US	17/266607	11595930	2039/08/01
757	19R00693	WO	PCT/JP2019/030282		
758	19R00697	CN	201980055164.5	CN113170443B	2039/08/22
758	19R00697	DE	19852588.3	602019026516.6	2039/08/22
758	19R00697	EP	EP19852588.3	EP3843473B1	2039/08/22
758	19R00697	ES	19852588.3	EP3843473B1	2039/08/22
758	19R00697	FR	19852588.3	EP3843473B1	2039/08/22
758	19R00697	GB	19852588.3	EP3843473B1	2039/08/22
758	19R00697	JP	特願 2018-156353		2021/06/25
758	19R00697	NL	19852588.3	EP3843473B1	2039/08/22
758	19R00697	US	17/270431		
758	19R00697	WO	PCT/JP2019/032913		
759	19R00698	JP	特願 2018-156354		2021/06/25
759	19R00698	US	17/270432		2023/10/02
759	19R00698	WO	PCT/JP2019/032914		
760	19R00700	CN	201980059864.1	CN112690018B	2039/09/18
760	19R00700	EP	EP19863189.7		2023/06/28
760	19R00700	ID	P00202102713		2023/09/26
760	19R00700	JP	特願 2018-174702	特許 7309335	2038/09/19
760	19R00700	KR	10-2021-7011114		
760	19R00700	US	17/277451	11877283	2040/09/23
760	19R00700	WO	PCT/JP2019/036555		
761	19R00702	JP	特願 2018-176139		
761	19R00702	WO	PCT/JP2019/032995		
762	19R00704	CA	3113411		2023/07/05
762	19R00704	CN	201980056180.6	CN112690037B	2039/09/17
762	19R00704	DE	19862996.6	602019041659.8	2039/09/17
762	19R00704	EP	EP19862996.6	EP3855864B1	2039/09/17



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
762	19R00704	FR	19862996.6	EP3855864B1	2039/09/17
762	19R00704	GB	19862996.6	EP3855864B1	2039/09/17
762	19R00704	JP	特願 2018-176141	特許 7267701	2038/09/20
762	19R00704	RU	2021110858	RU2775743C1	2023/06/28
762	19R00704	US	17/277885	12022549	2040/11/03
762	19R00704	WO	PCT/JP2019/036418		
763	19R00705	CN	201980058592.3	CN112673694B	2039/09/17
763	19R00705	EP	EP19863840.5		2022/06/10
763	19R00705	ID	P00202102793		2023/08/29
763	19R00705	IN	202147017978		2022/12/17
763	19R00705	JP	特願 2018-177083	特許 7286288	2038/09/21
763	19R00705	US	17/277892	11336329	2039/09/17
763	19R00705	WO	PCT/JP2019/036419		
764	19R00706	JP	特願 2018-178575		
764	19R00706	WO	PCT/JP2019/036420		
765	19R00707	JP	特願 2018-182381		
765	19R00707	WO	PCT/JP2019/036834		
766	19R00708	JP	特願 2018-182382		
766	19R00708	WO	PCT/JP2019/036833		
767	19R00709	CA	3114558		2023/07/05
767	19R00709	CN	201980063421.X		
767	19R00709	DE	19867800.5		
767	19R00709	EP	EP19867800.5		
767	19R00709	FR	19867800.5		
767	19R00709	GB	19867800.5		
767	19R00709	IN	202147019116		
767	19R00709	JP	特願 2018-181504	特許 7240843	2038/09/27
767	19R00709	US	17/280497	11956776	2041/01/19
767	19R00709	WO	PCT/JP2019/038127		
768	19R00711	JP	特願 2018-181506		
768	19R00711	WO	PCT/JP2019/036836		
769	19R00760	CN	201980052475.6	CN112997569B	2039/08/06
769	19R00760	EP	EP19846597.3		2023/05/26
769	19R00760	JP	特願 2018-150661		2021/07/06
769	19R00760	US	17/266609		
769	19R00760	WO	PCT/JP2019/030804		
770	19R00762	BR	BR112021004405-1		
770	19R00762	CN	201980059361.4	CN112673700B	2039/09/10
770	19R00762	EP	EP19860721.0		2023/06/28
770	19R00762	JP	特願 2018-169582	特許 7199184	2038/09/11
770	19R00762	SG	11202102516T		
770	19R00762	US	17/275168		
770	19R00762	WO	PCT/JP2019/035470		
771	19R00765	CN	201980059851.4		
771	19R00765	EP	EP19859168.7		2022/06/30



No	Family No.	Country	Application No.	Patent No.	Expiration or Lapsed Date
771	19R00765	JP	特願 2018-172521		2021/07/01
771	19R00765	US	17/275161	12016005	2041/02/01
771	19R00765	WO	PCT/JP2019/035162		