

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6721730

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	WAYMO HOLDING INC.	03/22/2017
RECEIVING PARTY DATA		
Name:	WAYMO LLC	
Street Address:	1600 AMPHITHEATRE PARKWAY	
City:	MOUNTAIN VIEW	
State/Country:	CALIFORNIA	
Postal Code:	94043	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	15682963
CORRESPONDENCE DATA		
Fax Number:	(312)913-0002	
<i>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.</i>		
Phone:	3129130001	
Email:	docketing@mbhb.com	
Correspondent Name:	MCDONNELL BOEHNEN HULBERT & BERGHOFF LLP	
Address Line 1:	300 SOUTH WACKER DRIVE	
Address Line 2:	SUITE 3100	
Address Line 4:	CHICAGO, ILLINOIS 60606	
ATTORNEY DOCKET NUMBER:	14-989-US-CON	
NAME OF SUBMITTER:	RICHARD A. MACHONKIN	
SIGNATURE:	/Richard A. Machonkin/	
DATE SIGNED:	05/20/2021	
Total Attachments: 26		
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PATENT ASSIGNMENT

This Assignment is made and entered into as of February 22, 2017, by and between WAYMO HOLDING INC., a corporation organized under the laws of the State of Delaware, having a place of business at 1600 Amphitheatre Parkway, Mountain View, CA 94043 ("ASSIGNOR") and WAYMO LLC, a limited liability company organized under the laws of the State of Delaware, having a place of business at 1600 Amphitheatre Parkway, Mountain View, CA 94043 ("ASSIGNEE").

Whereas, Assignor and Assignee entered into a certain Contribution Agreement dated as of February 22, 2017, pursuant to which Assignor agreed to contribute, convey, assign and otherwise transfer and Assignee agreed to accept, among other assets, the patents and/or patent applications listed in the attached Exhibit A ("PATENTS AND PATENT APPLICATIONS").

NOW, THEREFORE, in consideration of the good and valuable consideration received by ASSIGNOR from ASSIGNEE, the receipt and sufficiency of which is hereby acknowledged, ASSIGNOR hereby assigns and transfers to ASSIGNEE the entire right, title and interest in and to the PATENTS AND PATENT APPLICATIONS, including all rights to sue or recover for the past, present or future infringement thereof, and further including the right to file and prosecute in its own name, wherever so permitted by law, patent applications, including corresponding applications, based on any of the PATENTS AND PATENT APPLICATIONS, and to claim priority to any of the PATENTS AND PATENT APPLICATIONS pursuant to the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes. ASSIGNEE may apply for and receive patents in respect of the patent applications included in the PATENTS AND PATENT APPLICATIONS in its own name wherever so permitted by law and ASSIGNOR shall, when reasonably requested by ASSIGNEE, execute or cause to be executed all rightful oaths, assignments, and powers of attorney to ASSIGNEE or to agents and legal representatives of ASSIGNEE, and all other papers necessary and proper to carry out the intent and purpose of this Assignment.

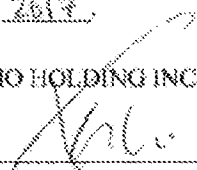
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IN WITNESS WHEREOF, ASSIGNOR has caused this Assignment to be executed by its duly authorized representative on this 20th day of March, 2017.

WAYMO HOLDING INC.

By: 

Name: Kenneth Yi

Title: CEO/President/Secretary

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Exhibit A
PATENTS AND PATENT APPLICATIONS

Index	Internal Reference	Country	Application Number	Filing Date	Patent Number	Issue Date
1	X-10051-00-US	US	13/218,756	8/26/2011	8,688,306	4/1/2014
2	X-10051-00-US-CON	US	13/800,050	3/13/2013		
3	X-11164-00-US	US				
4	X-11267-00-US	US	13/546,563	7/11/2012	8,493,198	7/23/2013
5	X-11267-00-US-CON	US	13/942,075	7/15/2013	8,907,771	12/9/2014
6	X-11267-00-US-CON2	US	14/532,490	11/4/2014	9,195,894	11/24/2015
7	X-11395-00-US	US	13/366,828	2/6/2012	9,381,916	7/5/2016
8	X-11395-00-US-CON	US	15/161,556	5/23/2015		
9	X-11397-00-US	US	13/446,518	4/13/2012	8,700,251	4/15/2014
10	X-11397-00-US-CON	US	14/190,621	2/26/2014	8,935,034	1/13/2015
11	X-11397-00-US-CON2	US	14/570,321	12/15/2014	9,216,737	12/22/2015
12	X-11398-00-US	US	13/446,494	4/13/2012	9,495,874	11/15/2016
13	X-11398-00-US-CON	US	15/278,338	9/28/2016		
14	X-12180-00-US	US	13/422,676	3/16/2012	8,880,272	11/4/2014
15	X-12180-00-US-CON	US	14/516,044	10/16/2014	9,460,622	10/4/2016
16	X-12186-00-US	US	13/440,174	4/5/2012	8,585,430	11/19/2013
17	X-12186-00-US-CON	US	14/065,922	10/29/2013		
18	X-12186-00-US-DIV	US	14/064,908	10/28/2013	9,214,778	12/15/2015
19	X-12187-00-US	US	13/465,578	5/7/2012	9,123,152	9/1/2015
20	X-12187-00-US-DIV	US	14/813,827	7/30/2015		
21	X-12192-00-US	US	13/422,688	3/16/2012	8,825,265	9/2/2014
22	X-12192-00-US-CON	US	14/449,792	8/1/2014	9,459,625	10/4/2016
23	X-12192-00-US-CON2	US	15/216,199	7/21/2016		
24	X-12193-00-US	US	13/444,215	4/11/2012	8,718,861	5/6/2014
25	X-12193-00-US-CON	US	14/220,653	3/20/2014	8,954,217	2/10/2015
26	X-12875-00-US	US	13/361,023	1/30/2012	8,736,463	5/27/2014
27	X-12875-00-US-CON	US	14/252,966	4/15/2014	9,256,226	2/9/2016
28	X-12875-00-US-CON2	US	14/986,813	1/4/2016		
29	X-12875-00-CN	CN	201380006981	1/28/2013		
30	X-12876-00-EP	EP	13743121.9	1/28/2013		
31	X-12876-00-JP	JP	2014-554922	1/28/2013		
32	X-12876-00-KR	KR	10-2014-7024068	1/28/2013		
33	X-12876-00-US	US	13/361,083	1/30/2012		
34	X-12876-00-WO	WO	PCT/US2013/023399	1/28/2013		
35	X-13202-00-US	US	13/427,959	3/23/2012	8,755,967	6/17/2014
36	X-13202-00-US-CON	US	14/276,693	5/6/2014	8,948,958	2/3/2015
37	X-13202-00-WO	WO				
38	X-13304-00-CN	CN	201380015690	3/21/2013		
39	X-13304-00-EP	EP	13810454.2	3/21/2013		
40	X-13304-00-JP	JP	2015-501915	3/21/2013		
41	X-13304-00-KR	KR	10-2014-7026504	3/21/2013		
42	X-13304-00-US	US	13/427,964	3/23/2012		
43	X-13304-00-WO	WO	PCT/US2013/033315	3/21/2013		
44	X-14268-00-CN	CN	201380017655	2/3/2013		
45	X-14268-00-DE	DE		2/3/2013		

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46	X-14268-00-EP	EP	13772911.7	2/3/2013		
47	X-14268-00-FR	FR		2/3/2013		
48	X-14268-00-HK	HK	15104842.5	5/21/2015		
49	X-14268-00-JP	JP	2015-504548	2/3/2013		
50	X-14268-00-KR	KR	10-2014-7027750	2/3/2013		
51	X-14268-00-US	US	13/437,730	4/2/2012	8,942,881	1/27/2015
52	X-14268-00-WO	WO	PCT/US2013/024543	2/3/2013		
53	X-14271-00-US	US	13/442,303	4/9/2012	8,571,743	10/29/2013
54	X-14271-00-US-CON	US	14/037,835	9/26/2013	8,694,192	4/8/2014
55	X-14272-00-CN	CN	201380037623	3/11/2013		
56	X-14272-00-EP	EP	13797850.8	3/11/2013		
57	X-14272-00-JP	JP	2015514988	3/11/2013		
58	X-14272-00-KR	KR	10-2014-7036772	3/11/2013	10-1705961	2/6/2017
59	X-14272-00-US	US	13/486,886	6/1/2012	8,793,046	7/29/2014
60	X-14272-00-US-CON	US	14/308,409	6/18/2014	9,327,734	5/3/2016
61	X-14272-00-US-CON2	US	15/087,390	3/31/2016		
62	X-14272-00-WO	WO	PCT/US2013/030120	3/11/2013		
63	X-14273-00-US	US	13/420,652	3/15/2012	8,948,954	2/3/2015
64	X-14274-00-US	US	13/471,184	5/14/2012	8,781,669	7/15/2014
65	X-14274-00-US-CIP	US	14/302,258	6/11/2014	9,176,500	11/3/2015
66	X-14274-00-US-CON	US	14/864,346	9/24/2015		
67	X-14331-00-CN	CN	201380023528	2/20/2013		
68	X-14331-00-EP	EP	13760269.4	2/20/2013		
69	X-14331-00-US	US	13/423,143	3/16/2012		
70	X-14331-00-WO	WO	PCT/US2013/026917	2/20/2013		
71	X-14332-00-US	US	13/477,871	5/22/2012	9,014,903	4/21/2015
72	X-14333-00-CN	CN	201380016417	2/4/2013		
73	X-14333-00-EP	EP	13768787.7	2/4/2013		
74	X-14333-00-JP	JP	2015-503202	2/4/2013		
75	X-14333-00-KR	KR	10-2014-7027190	2/4/2013		
76	X-14333-00-KR-DIV	KR	10-2016-7034056	2/4/2013		
77	X-14333-00-US	US	13/430,150	3/26/2012	9,145,140	9/29/2015
78	X-14333-00-US-CON	US	14/831,777	8/20/2015		
79	X-14333-00-WO	WO	PCT/US2013/024573	2/4/2013		
80	X-14334-00-US	US	13/446,025	4/13/2012	9,315,178	4/19/2016
81	X-14431-00-US	US	13/626,547	9/25/2012	8,994,581	3/31/2015
82	X-14432-00-CN	CN	201380023262.3	2/11/2013		
83	X-14432-00-EP	EP	13761643.9	2/11/2013		
84	X-14432-00-JP	JP	2015-500431	2/11/2013		
85	X-14432-00-KR	KR	10-2014-7028748	2/11/2013		
86	X-14432-00-US	US	13/420,830	3/15/2012	8,457,827	6/4/2013
87	X-14432-00-US-CON	US	13/900,784	5/23/2013	8,655,537	2/18/2014
88	X-14432-00-US-CON2	US	14/165,740	1/28/2014	9,330,571	5/3/2016
89	X-14432-00-WO	WO	PCT/US2013/025592	2/11/2013		
90	X-14433-00-US	US	13/628,546	9/27/2012		
91	X-14433-00-US-CON	US	14/865,660	9/25/2015		
92	X-14434-00-CN	CN	201380038336	5/29/2013		
93	X-14434-00-EP	EP	13801062.4	5/29/2013		

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94	X-14434-00-JP	JP	2015-516065	5/29/2013		
95	X-14434-00-JP-DIV	JP	2016-216609			
96	X-14434-00-KR	KR	10-2014-7035643	5/29/2013		
97	X-14434-00-US	US	13/489,794	6/5/2012	8,781,721	7/15/2014
98	X-14434-00-US-DIV	US	14/296,670	6/5/2014	9,495,875	11/15/2016
99	X-14434-00-WO	WO	PCT/US2013/043118	5/29/2013		
100	X-14493-00-US	US	13/465,348	5/7/2012	8,521,352	8/27/2013
101	X-14493-00-US-CON	US	13/943,867	7/17/2013	8,676,430	3/18/2014
102	X-14493-00-US-CON2	US	14/164,565	1/27/2014	8,903,591	12/2/2014
103	X-14493-00-US-CON2-REI1	US	15/367,112	12/1/2016		
104	X-14493-00-US-CON2-REI2	US	15/367,115	12/1/2016		
105	X-14493-00-US-CON2-REI3	US	15/367,118	12/1/2016		
106	X-14493-00-US-CON2-REI4	US	15/367,118	12/1/2016		
107	X-14493-00-US-CON2-REI5	US	15/367,127	12/1/2016		
108	X-14505-00-US	US	13/441,996	4/9/2012	8,761,931	6/24/2014
109	X-14505-00-US-CON	US	14/288,111	5/27/2014	9,261,879	2/16/2016
110	X-14506-00-US	US	13/441,800	4/6/2012	8,712,624	4/29/2014
111	X-14506-00-US-CON	US	14/193,674	2/28/2014	9,280,156	3/8/2016
112	X-14506-00-US-CON2	US	15/006,657	1/26/2016		
113	X-14515-00-US	US	13/626,673	9/25/2012	9,423,498	8/23/2016
114	X-14515-00-US-CON	US	15/208,166	7/12/2016	9,599,989	
115	X-14515-00-US-CON2	US	15/417,726	1/27/2017		
116	X-14516-00-CON	US	15/170,470	6/1/2016		
117	X-14516-00-US	US	13/627,623	9/26/2012	9,383,753	7/5/2016
118	X-14523-00-US	US	13/629,378	9/27/2012	9,234,618	1/12/2016
119	X-14523-00-US-CON	US				
120	X-14523-00-US-CON2	US	14/955,186	12/1/2015		
121	X-14525-00-US	US				
122	X-14528-00-US	US	13/585,432	8/14/2012		
123	X-14532-00-US	US	13/585,486	8/14/2012	8,838,322	9/16/2014
124	X-14534-00-CN	CN	201380038663	9/19/2013		
125	X-14534-00-EP	EP	13838660.2	9/19/2013		
126	X-14534-00-JP	JP	2015-533173	9/19/2013		
127	X-14534-00-KR	KR	10-2015-7010044	9/19/2013		
128	X-14534-00-US	US	13/623,397	9/20/2012	9,110,196	8/18/2015
129	X-14534-00-WO	WO	PCT/US2013/060552	9/19/2013		
130	X-14534-01-US	US	13/623,422	9/20/2012	9,499,172	11/22/2016
131	X-14538-00-US	US	13/474,591	5/17/2012	8,527,199	9/3/2013
132	X-14541-00-CN	CN	201380034497	4/4/2013	104395168	3/2/2016
133	X-14541-00-EP	EP	13780735	4/4/2013		
134	X-14541-00-JP	JP	2015508989	4/4/2013	5890585	2/26/2016
135	X-14541-00-KR	KR	10-2014-7029955	4/4/2013	10-1514935	4/17/2015
136	X-14541-00-US	US	13/457,628	4/27/2012	8,504,333	8/6/2013
137	X-14541-00-US-CON	US	13/944,877	7/18/2013	8,725,342	5/13/2014
138	X-14541-00-WO	WO	PCT/US2013/035264	4/4/2013		
139	X-14680-00-US	US	13/630,017	9/28/2012		
140	X-14852-00-US	US	13/616,813	9/14/2012	9,120,485	9/1/2015
141	X-14946-00-US	US	13/539,030	6/29/2012	9,205,828	12/8/2015

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142	X-14946-00-US-CON	US	14/928,337	10/30/2015		
143	X-15161-00-US	US	13/528,122	6/20/2012	9,180,887	11/10/2015
144	X-15161-00-US-CON	US	14/150,901	1/9/2014	8,874,267	10/28/2014
145	X-15161-00-US-CON2	US	14/872,270	10/1/2015		
146	X-15237-00-US	US	13/630,039	9/26/2012	8,949,016	2/3/2015
147	X-15299-00-DE	DE		8/7/2013	2879929	
148	X-15299-00-EP	EP	13835010.3	8/7/2013	2879929	10/16/2016
149	X-15299-00-FR	FR		8/7/2013	2879929	10/16/2016
150	X-15299-00-GB	GB		8/7/2013	2879929	10/16/2016
151	X-15299-00-JP	JP	2015-531089	8/7/2013	6063882	2/3/2017
152	X-15299-00-JP-DIV	JP	2017-008154	1/20/2017		
153	X-15299-00-KR	KR	10-2015-7008687	8/7/2013	10-1557464	9/25/2015
154	X-15299-00-US	US	13/603,613	9/5/2012	9,221,461	12/29/2015
155	X-15299-00-WO	WO	PCT/US2013/053944	8/7/2013		
156	X-15299-01-US	US	13/603,615	9/5/2012	9,195,914	11/24/2015
157	X-15299-01-US-CON	US	14/883,956	10/15/2015	9,489,601	11/9/2016
158	X-15299-01-WO	WO	PCT/US2013/053965	8/7/2013		
159	X-15299-02-US	US	13/603,618	9/5/2012	8,996,226	3/31/2015
160	X-15299-02-US-CON	US	14/629,344	2/23/2015	9,199,641	12/1/2015
161	X-15299-02-WO	WO				
162	X-15299-03-US	US	13/603,620	9/5/2012	9,056,395	6/16/2015
163	X-15299-03-US-CON	US	14/718,237	5/21/2015	9,193,355	11/24/2015
164	X-15299-04-US	US	13/603,609	9/5/2012	9,195,236	11/24/2015
165	X-15380-00-US	US	13/585,344	6/14/2012	9,355,562	5/31/2016
166	X-15381-00-CN	CN	201380061357	9/25/2013		
167	X-15381-00-EP	EP	13864358	9/25/2013		
168	X-15381-00-KR	KR	10-2015-7010981	9/25/2013		
169	X-15381-00-US	US	13/628,905	9/27/2012		
170	X-15381-00-WO	WO	PCT/US2013/061604	9/25/2013		
171	X-15383-00-US	US				
172	X-15740-00-US	US				
173	X-15761-00-US	US	13/628,986	9/27/2012	9,221,396	12/29/2015
174	X-15761-00-US-CON	US	14/546,967	11/20/2015	9,595,740	1/31/2017
175	X-15761-00-US-CON2	US	15/383,198	12/19/2016		
176	X-15767-00-US	US	13/602,665	9/4/2012	8,885,151	11/11/2014
177	X-15767-00-US-CON	US	14/519,358	10/21/2014		
178	X-15773-00-US	US	13/622,418	9/19/2012	9,158,980	10/13/2015
179	X-15773-00-US-CON	US	14/843,705	9/2/2015		
180	X-15787-00-US	US	13/630,714	9/28/2012	8,768,539	7/1/2014
181	X-15787-00-US-CON	US	14/317,611	6/27/2014	9,085,268	7/21/2015
182	X-15787-00-US-DIV	US	14/288,518	5/28/2014	9,084,090	7/14/2015
183	X-15826-00-US	US				
184	X-15878-00-US	US	13/625,238	9/24/2012	8,831,813	9/9/2014
185	X-15878-00-US-CON	US	14/454,241	8/7/2014	9,381,918	7/5/2016
186	X-15878-00-US-CON2	US	15/173,938	6/6/2015		
187	X-15886-00-US	US				
188	X-15890-00-US	US	13/622,915	9/19/2012	9,393,961	7/19/2016
189	X-15890-00-US-CON	US	15/186,808	6/20/2015		

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190	X-15915-00-US	US	13/627,080	9/26/2012	9,071,763	6/30/2015
191	X-16127-00-US	US	13/597,143	8/28/2012	9,052,721	6/9/2015
192	X-16128-00-US	US				
193	X-16134-00-US	US	13/628,290	9/27/2012	9,196,164	11/24/2015
194	X-16134-00-US-CON	US	14/095,107	12/3/2013	8,954,252	2/10/2015
195	X-16148-00-US	US	13/646,406	10/5/2012	8,965,691	2/24/2015
196	X-16151-00-US	US	13/630,054	9/28/2012	9,274,525	3/1/2016
197	X-16151-00-US-CON	US	15/018,205	2/8/2016	9,594,379	3/14/2017
198	X-16151-00-US-CON2	US	15/415,037	1/23/2017		
199	X-16179-00-US	US	13/742,745	1/16/2013	8,880,273	11/4/2014
200	X-16179-00-US-CON	US	14/508,259	10/7/2014	9,207,679	12/8/2015
201	X-16179-00-US-CON2	US	14/928,444	10/30/2015		
202	X-16180-00-EP	US	29/441,746	1/9/2013		
203	X-16180-00-US	US	13/737,483	1/9/2013	9,323,362	4/26/2016
204	X-16180-01-US	US	13/737,427	1/9/2013	9,268,442	2/23/2016
205	X-16181-00-US	US	13/629,799	9/28/2012	9,188,985	11/17/2015
206	X-16181-00-US-CON	US	14/878,525	10/8/2015	9,528,850	12/17/2016
207	X-16181-00-US-CON2	US	15/351,880	11/15/2016		
208	X-16182-00-US	US	13/613,016	9/13/2012		
209	X-16182-00-US-CON	US	15/090,089	4/4/2016		
210	X-16185-00-US	US	13/646,282	10/10/2012	8,855,904	10/7/2014
211	X-16250-00-US	US	13/834,354	3/15/2013		
212	X-16250-00-US-CON	US	15/060,346	3/3/2016		
213	X-16254-00-CN	CN	201380067897	11/5/2013		
214	X-16254-00-EP	EP	13852521.7	11/6/2013		
215	X-16254-00-US	US	13/670,103	11/6/2012	9,026,300	5/5/2015
216	X-16254-00-WO	WO	PCT/US2013/068713	11/6/2013		
217	X-16255-00-US	US	13/649,384	10/11/2012	9,097,800	8/4/2015
218	X-16255-00-US	US	13/649,646	10/11/2012	8,676,427	3/18/2014
219	X-16282-00-US	US	13/678,072	11/15/2012	8,849,557	9/30/2014
220	X-16282-00-US-CON	US	14/467,475	8/25/2014	9,092,977	7/28/2015
221	X-16283-00-US	US	13/668,194	11/2/2012		
222	X-16283-00-US-CON	US	14/788,901	7/1/2015		
223	X-16284-00-US	US	13/678,027	11/15/2012	8,838,321	9/16/2014
224	X-16284-00-US-CON	US	14/459,290	8/26/2014	9,213,338	12/15/2015
225	X-16284-00-US-CON2	US	14/936,918	11/10/2015		
226	X-16286-00-US	US				
227	X-16752-00-US	US	13/678,240	11/15/2012	8,818,609	8/26/2014
228	X-16754-00-US	US	13/723,358	12/21/2012	9,081,385	7/14/2015
229	X-16755-00-US	US	13/719,279	12/19/2012	9,063,548	6/23/2015
230	X-16756-00-US	US	13/670,917	11/7/2012	9,043,069	5/26/2015
231	X-16758-00-US	US	13/666,043	11/1/2012	9,489,635	11/8/2016
232	X-16824-00-CN	CN	201480009688.8	1/16/2014		
233	X-16824-00-EP	EP	14754191.6	1/16/2014		
234	X-16824-00-JP	JP	2015-559238	1/16/2014		
235	X-16824-00-KR	KR	10-2015-7022319	1/16/2014		
236	X-16824-00-US	US	13/772,615	2/21/2013		
237	X-16824-00-WO	WO	PCT/US2014/011779	1/16/2014		

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238	X-16852-00-US	US	13/736,937	1/8/2013	8,880,270	11/4/2014
239	X-16865-00-CN	CN	201310156473.6	4/28/2013	ZL 201310156473	7/22/2015
240	X-16865-00-CN-DIV	CN	201510363049.8	4/28/2013		
241	X-16865-00-EP	EP	EP13166123.3	5/1/2013		
242	X-16865-00-JP	JP	2013-93136	4/26/2013	5857364	12/25/2015
243	X-16865-00-KR	KR	10-2013-0049115	5/1/2013	10-1354681	2/4/2014
244	X-16865-00-US	US	13/664,325	10/30/2012	8,473,144	6/25/2013
245	X-16865-00-US-CON	US	13/903,593	5/28/2013	8,781,670	7/15/2014
246	X-16865-00-US-CON2	US	14/302,890	6/12/2014	9,090,253	7/28/2015
247	X-16879-00-US	US	13/759,033	2/4/2013	8,995,721	3/31/2015
248	X-16951-00-US	US	13/775,554	2/25/2013	8,855,849	10/7/2014
249	X-16951-00-US-CON	US	14/480,377	9/8/2014	9,026,303	5/5/2015
250	X-17083-00-US	US	13/889,708	5/8/2013		
251	X-17090-00-US	US	13/787,107	3/6/2013	9,063,549	6/23/2015
252	X-17090-01-US	US	13/790,934	3/8/2013		
253	X-17090-02-PR	US	61/773,573	3/6/2013		
254	X-17090-03-US	US	14/090,485	11/26/2013	9,128,190	9/8/2015
255	X-17090-02-US-CON	US	14/813,320	7/30/2015		
256	X-17090-03-US	US	13/784,329	3/4/2013	9,304,154	4/5/2016
257	X-17090-04-US	US	13/804,455	3/14/2013	9,048,370	6/2/2015
258	X-17090-05-US	US	13/802,593	3/13/2013	9,304,203	4/5/2016
259	X-17090-06-US	US	13/802,581	3/13/2013	9,068,060	6/30/2015
260	X-17090-07-US	US	13/784,412	3/4/2013	9,059,649	6/16/2015
261	X-17097-00-US	US	13/863,613	4/16/2013	9,600,768	
262	X-17098-00-US	US	13/778,722	2/27/2013	9,261,590	2/16/2016
263	X-17098-00-US-CIP	US	14/994,802	1/13/2016		
264	X-17101-00-US	US	13/737,541	1/9/2013	8,909,428	12/9/2014
265	X-17101-00-US-CON	US	14/543,269	11/17/2014	9,290,201	3/22/2015
266	X-17102-00-CN	CN	201480010363	1/17/2014		
267	X-17102-00-EP	EP	14743710.7	1/17/2014		
268	X-17102-00-JP	JP	2015-555195	1/17/2014	5944598	6/3/2016
269	X-17102-00-KR	KR	10-2015-7022972	1/17/2014	10-1655712	9/1/2016
270	X-17102-00-US	US	13/749,793	1/25/2013	9,367,065	6/14/2016
271	X-17102-00-US-CON	US	15/137,120	4/25/2016		
272	X-17102-00-WO	WO	PCT/US2014/012020	1/17/2014		
273	X-17287-00-US	US	13/799,829	3/13/2013	9,092,695	7/28/2015
274	X-17289-00-US	US				
275	X-17340-00-US	US	13/745,383	1/18/2013	9,086,481	7/21/2015
276	X-17591-00-OP	US	29/438,375	11/29/2012	0704,131	5/6/2014
277	X-17591-00-OP-DIV	US	29/485,332	3/18/2014	0736,774	8/18/2015
278	X-17591-01-OP	US	29/438,507	11/30/2012	0703,207	4/22/2014
279	X-17592-00-US	US	13/691,271	11/30/2012		
280	X-17592-01-OP	US	29/438,587	11/30/2012		
281	X-17592-01-OP-DIV	US	29/502,685	9/18/2014	0775,023	12/27/2016
282	X-17592-01-EM-OP	EM	2245290	5/28/2013	2245290-0001	5/28/2013
283	X-17592-01-JP-OP	JP	2013-011786	5/29/2013		
284	X-17592-01-JP-OP-DIV	JP	2014-007491	4/4/2014		
285	X-17592-01-JP-OP-DIV2	JP	2014-007492	4/4/2014		

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286	X-17592-01-JP-DP-DIV3	JP	2014-007493	4/4/2014		
287	X-17592-01-JP-DP-DIV4	JP	2014-007494	4/4/2014		
288	X-17592-01-JP-DP-DIV5	JP	2014-007495	4/4/2014		
289	X-17592-01-JP-DP-DIV6	JP	2014-007496	4/4/2014		
290	X-17592-01-JP-DP-DIV7	JP	2014-007497	4/4/2014		
291	X-17592-01-KR-DP	KR	30-2013-0027858	5/29/2013		
292	X-17592-01-KR-DP-DIV	KR	30-2014-0031559	5/26/2014		
293	X-17592-01-KR-DP-DIV2	KR	30-2014-0031560	6/26/2014	30-0790760	3/30/2015
294	X-17592-01-KR-DP-DIV3	KR	30-2014-0031562	5/26/2014	30-0790760-0003	6/25/2015
295	X-17592-02-EM-DP	EM	2245290	5/28/2013	2245290-0002	5/28/2013
296	X-17592-03-EM-DP	EM	2245290	5/28/2013	2245290-0003	5/28/2013
297	X-17592-04-EM-DP	EM	2245290	5/28/2013	2245290-0004	5/28/2013
298	X-17592-05-EM-DP	EM	2245290	5/28/2013	2245290-0005	5/28/2013
299	X-17592-06-EM-DP	EM	2245290	5/28/2013	2245290-0006	5/28/2013
300	X-17593-00-US	US				
301	X-17593-01-DP	US	29/438,504	11/30/2012	D724,511	3/17/2015
302	X-17593-01-DP-DIV	US	29/515,227	1/21/2015	D777,069	1/24/2017
303	X-17595-00-CN	CN	201380062522.8	11/26/2013		10/12/2016
304	X-17595-00-CN-DIV	CN	201610839706.6	11/26/2013		
305	X-17595-00-EP	EP	13858547.6	11/26/2013	2906453	3/29/2017
306	X-17595-00-EP-DIV	EP	17156930.4	11/26/2013		
307	X-17595-00-EP-DIV2	EP	13858547.6	11/26/2013		
308	X-17595-00-EP-DIV3	EP	13858547.6	11/26/2013		
309	X-17595-00-JP	JP	2015-545169	11/26/2013		
310	X-17595-00-JP-DIV	JP				
311	X-17595-00-KR	KR	10-2015-7017569	11/26/2013	10-1580949	12/22/2015
312	X-17595-00-KR-DIV	KR	10-2015-7035707	12/16/2015	10-1613827	4/12/2016
313	X-17595-00-KR-DIV2	KR	10-2016-7009397		10-1703113	1/31/2017
314	X-17595-00-KR-DIV3	KR	10-2017-7002460	11/30/2012		
315	X-17595-00-PB	US	61/731,717	11/30/2012		
316	X-17595-00-US	US	13/792,774	3/11/2013	8,825,758	9/2/2014
317	X-17595-00-US-CON	US	14/085,226	12/3/2013	8,818,608	8/26/2014
318	X-17595-00-US-CON2	US	14/333,839	7/17/2014	9,075,413	7/7/2015
319	X-17595-00-US-CON3	US	14/746,268	6/22/2015	9,352,752	5/31/2016
320	X-17595-00-US-CON4	US	15/075,878	3/21/2016	9,511,779	12/6/2016
321	X-17595-00-US-CON5	US	15/337,339	10/28/2016		
322	X-17595-00-WO	WO	PCT/US2013/71846	11/26/2013		
323	X-17595-01-DP	US	29/438,558	11/30/2012	D746,836	1/5/2016
324	X-17595-01-DP-CON	US	29/591,092	1/17/2017		
325	X-17595-01-DP-DIV	US	29/537,499	8/26/2015	D761,295	7/12/2016
326	X-17595-01-DP-DIV2	US	29/566,899	6/3/2016	D780,197	2/28/2017
327	X-17595-01-EM-DP	EM	2245506	5/28/2013	2245506-0001	5/28/2013
328	X-17595-01-JP-DP	JP	2013-011842	5/29/2013	1496146	3/28/2014
329	X-17595-01-KR-DP	KR	30-2013-0027859	5/29/2013	30-0727779	1/27/2014
330	X-17595-02-DP	US	29/438,512	11/30/2012	D730,922	6/2/2015
331	X-17595-02-EM-DP	EM	2245803	5/29/2013	2245803-0001	5/29/2013
332	X-17595-02-KR-DP	KR	30-2013-0027860	5/29/2013	30-0730260	2/13/2014
333	X-17595-03-DP	US	29/438,638	11/30/2012		

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334	X-17595-03-DP-CON	US	29/467,827	9/24/2013	0709,093	7/15/2014
335	X-17595-03-EM-DP	EM	2245506	5/28/2013	2245506-0002	5/28/2013
336	X-17595-04-DP	US	29/438,478	11/30/2012	0729,838	5/19/2015
337	X-17595-04-EM-DP	EM	2245506	5/28/2013	2245506-0003	5/28/2013
338	X-17595-05-DP	US	29/438,502	11/30/2012	0731,542	6/9/2015
339	X-17595-05-DP-DIV	US	29/525,211	4/28/2015	0753,715	4/12/2016
340	X-17595-05-EM-DP	EM	2245332	5/28/2013	2245332-0001	5/28/2013
341	X-17595-05-KR-DP	KR	30-2013-0027862	5/29/2013	30-0741581	4/28/2014
342	X-17595-06-DP	US	29/438,641	11/30/2012	0732,075	6/16/2015
343	X-17595-06-EM-DP	EM	2245506	5/28/2013	2245506-0004	5/28/2013
344	X-17595-07-DP	US	29/438,563	11/30/2012	0729,274	5/12/2015
345	X-17595-07-EM-DP	EM	2245472	5/28/2013	2245472-0001	5/28/2013
346	X-17595-07-KR-DP	KR	30-2013-0027863	5/29/2013	30-0741582	4/28/2014
347	X-17595-08-DP	US	29/438,481	11/30/2012	0729,273	5/12/2015
348	X-17595-08-EM-DP	EM	2245480	5/28/2013	2245480-0001	5/28/2013
349	X-17595-08-KR-DP	KR	30-2013-0027864	5/29/2013	30-0741583	4/28/2014
350	X-17595-09-DP	US	29/438,480	11/30/2012		
351	X-17595-09-DP-CON	US	29/467,824	9/24/2013	0709,092	7/15/2014
352	X-17595-09-EM-DP	EM	2245506	5/28/2013	2245506-0005	5/28/2013
353	X-17595-10-DP	US	29/438,500	11/30/2012	0729,265	5/12/2015
354	X-17595-10-EM-DP	EM	2245860	5/29/2013	2245860-0001	5/29/2013
355	X-17595-10-KR-DP	KR	30-2013-0027865	5/29/2013	30-0730261	2/13/2014
356	X-17595-11-DP	US	29/438,637	11/30/2012	0730,923	6/2/2015
357	X-17595-11-EM-DP	EM	2 245 944	5/29/2013	2245944-0001	5/29/2013
358	X-17595-11-KR-DP	KR	30-2013-0027866	5/29/2013	30-0730262	2/13/2014
359	X-17595-12-DP	US	29/438,539	11/30/2012	0730,372	5/26/2015
360	X-17595-12-EM-DP	EM	2 245 985	5/29/2013	2245985-0001	5/29/2013
361	X-17595-12-KR-DP	KR	30-2013-0027867	5/29/2013	30-0730263	2/13/2014
362	X-17595-13-DP	US	29/438,633	11/30/2012	0729,826	5/19/2015
363	X-17595-13-EM-DP	EM	2245506	5/28/2013	2245506-0006	5/28/2013
364	X-17595-14-DP	US	29/438,596	11/30/2012		
365	X-17595-14-DP-CON	US	29/467,816	9/24/2013	0704,736	5/13/2014
366	X-17595-14-EM-DP	EM	2245506	5/28/2013	2245506-0007	5/28/2013
367	X-17595-15-DP	US	29/438,602	11/30/2012		
368	X-17595-15-DP-CON	US	29/467,841	9/24/2013	0708,217	7/1/2014
369	X-17595-15-EM-DP	EM	2245506	5/28/2013	2245506-0008	5/28/2013
370	X-17595-15-KR-DP	KR	30-2013-0027861	5/29/2013	30-0741580	4/28/2014
371	X-17595-16-EM-DP	EM	2245506	5/28/2013	2245506-0009	5/28/2013
372	X-17595-17-EM-DP	EM	2245506	5/28/2013	2245506-0010	5/28/2013
373	X-17595-18-EM-DP	EM	2245506	5/28/2013	2245506-0011	5/28/2013
374	X-17595-19-EM-DP	EM	2245506	5/26/2013	2245506-0012	5/28/2013
375	X-17595-20-EM-DP	EM	2245324	5/28/2013	2245324-0002	5/28/2013
376	X-17595-21-EM-DP	EM	2245324	5/28/2013	2245324-0003	5/28/2013
377	X-17595-22-EM-DP	EM	2245324	5/28/2013	2245324-0004	5/28/2013
378	X-17595-23-EM-DP	EM	2245324	5/28/2013	2245324-0005	5/28/2013
379	X-17595-24-EM-DP	EM	2245324	5/28/2013	2245324-0006	5/28/2013
380	X-17595-25-EM-DP	EM	2245332	5/28/2013	2245332-0002	5/28/2013
381	X-17595-26-EM-DP	EM	2245332	5/28/2013	2245332-0003	5/28/2013

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382	X-17595-27-EM-DP	EM	2245332	5/28/2013	2245332-0004	5/28/2013
383	X-17595-28-EM-DP	EM	2245472	5/28/2013	2245472-0002	5/28/2013
384	X-17595-29-EM-DP	EM	2245480	5/28/2013	2245480-0002	5/28/2013
385	X-17595-30-EM-DP	EM	2245803	5/29/2013	2245803-0002	5/29/2013
386	X-17595-31-EM-DP	EM	2245844	5/29/2013	2245844-0002	5/29/2013
387	X-17595-32-EM-DP	EM	2245324	5/28/2013	2245324-0001	5/28/2013
388	X-17596-00-CN	CN	201380062617.X	11/18/2013		
389	X-17596-00-EP	EP	13858416.4	11/18/2013		
390	X-17596-00-PR	US	61/731,701	11/30/2012		
391	X-17596-00-US	US	13/792,304	3/11/2013	9,008,961	4/14/2015
392	X-17596-00-US-CON	US	14/665,062	3/23/2015	5,534,918	1/3/2017
393	X-17596-00-US-CON2	US	15/351,822	11/15/2016		
394	X-17596-00-WO	WO	PCT/US2013/070499	11/18/2013		
395	X-17596-01-DP	US	29/438,527	11/30/2012	0736,820	8/18/2015
396	X-17596-01-EM-DP	EM	2246181	5/29/2013	2246181-0001	5/29/2013
397	X-17596-01-KR-DP	KR	30-2013-0027868	5/29/2013	30-0730264	2/13/2014
398	X-17596-02-DP	US	29/438,518	11/30/2012	0741,904	10/27/2015
399	X-17596-02-DP-DIV	US	29/540,058	9/21/2015	0753,723	4/12/2016
400	X-17596-02-DP-DIV2	US	29/540,059	9/21/2015	0753,724	4/12/2016
401	X-17596-02-EM-DP	EM	2246199	5/29/2013	2246199-0001	5/29/2013
402	X-17596-02-KR-DP	KR	30-2013-0027869	5/29/2013	30-0730265	2/13/2014
403	X-17596-03-EM-DP	EM	2246199	5/29/2013	2246199-0002	5/29/2013
404	X-17596-04-EM-DP	EM	2246199	5/29/2013	2246199-0003	5/29/2013
405	X-17597-00-DP	US	29/438,578	11/30/2012	0735,214	7/28/2015
406	X-17597-00-DP-DIV	US	29/530,926	6/22/2015	0753,717	4/12/2016
407	X-17597-00-DP-DIV2	US	29/530,939	6/22/2015	0754,203	4/19/2016
408	X-17597-00-DP-DIV3	US	29/530,943	6/22/2015	0753,718	4/12/2016
409	X-17597-00-DP-DIV4	US	29/530,950	6/22/2015	0753,719	4/12/2016
410	X-17597-00-DP-DIV5	US	29/530,953	6/22/2015	0753,720	4/12/2016
411	X-17597-00-DP-DIV6	US	29/531,044	6/23/2015	0754,204	4/19/2016
412	X-17597-00-DP-DIV7	US	29/531,046	6/23/2015	0753,721	4/12/2016
413	X-17597-00-DP-DIV8	US	29/531,056	6/23/2015	0753,722	4/12/2016
414	X-17597-01-DP	US	29/448,553	3/13/2013	0754,189	4/19/2016
415	X-17597-01-DP-CON	US	29/581,730	10/21/2016		
416	X-17597-01-DP-DIV	US	29/556,412	3/1/2016	0771,681	11/15/2016
417	X-17597-01-DP-DIV2	US	29/556,415	3/1/2016	0765,713	9/6/2016
418	X-17597-01-DP-DIV3	US	29/556,420	3/1/2016	0768,184	10/4/2016
419	X-17597-01-DP-DIV4	US	29/556,423	3/1/2016	0773,517	12/6/2016
420	X-17597-01-EM-DP	EM	2306996	9/11/2013	002306936-0001	9/11/2013
421	X-17597-01-KR-DP	KR	30-2013-0047138	9/12/2013	30-0747662	6/10/2014
422	X-17597-01-KR-DP-DIV	KR	30-2014-0010263	2/28/2014	30-0752615	7/10/2014
423	X-17597-01-KR-DP-DIV2	KR	30-2014-0010264	2/28/2014	30-0752616	7/10/2014
424	X-17597-01-KR-DP-DIV3	KR	30-2014-0010265	2/28/2014	30-0747570	6/10/2014
425	X-17597-01-KR-DP-DIV4	KR	30-2014-0010266	2/28/2014	30-0752617	7/10/2014
426	X-17597-01-KR-DP-DIV5	KR	30-2014-0010267	2/28/2014	30-0752618	7/10/2014
427	X-17597-02-DP	US	29/448,601	3/13/2013	0754,190	4/19/2016
428	X-17597-02-DP-DIV	US	29/556,607	3/2/2016	0772,274	11/22/2016
429	X-17597-02-DP-DIV2	US	29/556,609	3/2/2016	0766,304	9/13/2016

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430	X-17597-02-DP-DIV3	US	29/556,610	3/2/2016	0771,682	11/15/2016
431	X-17597-02-EM-DP	EM	2306936	9/11/2013	002306936-0002	9/11/2013
432	X-17597-03-EM-DP	EM	2306936	9/11/2013	002306936-0003	9/11/2013
433	X-17597-04-EM-DP	EM	2306936	9/11/2013	002306936-0004	9/11/2013
434	X-17597-04-US	US	13/796,037	3/12/2013	8,676,431	3/18/2014
435	X-17597-04-US-CON	US	14/171,904	2/4/2014	8,903,592	12/2/2014
436	X-17597-04-US-CON2	US	14/542,799	11/17/2014	9,501,058	11/22/2016
437	X-17597-04-US-CON3	US	15/295,433	10/17/2016		
438	X-17597-05-EM-DP	EM	2306936	9/11/2013	002306936-0005	9/11/2013
439	X-17597-06-EM-DP	EM	2306936	9/11/2013	002306936-0006	9/11/2013
440	X-17597-07-EM-DP	EM	2306936	9/11/2013	002306936-0007	9/11/2013
441	X-17597-08-EM-DP	EM	2306936	9/11/2013	002306936-0008	9/11/2013
442	X-17597-09-EM-DP	EM	2306936	9/11/2013	002306936-0009	9/11/2013
443	X-17633-00-DP-DIV	US	29/526,099	5/6/2015	0755,841	5/10/2016
444	X-17634-00-DP	US	29/438,605	11/30/2012	0730,374	5/26/2015
445	X-17634-01-DP	US	29/438,545	11/30/2012	0730,373	5/26/2015
446	X-17635-00-DP	US	29/438,614	11/30/2012	0745,020	12/8/2015
447	X-17635-00-DP-DIV	US	29/543,498	10/26/2015	0761,837	7/19/2016
448	X-17635-00-DP-DIV2	US	29/567,764	6/13/2016		
449	X-17635-00-DP-DIV3	US	29/567,766	6/13/2016	0781,310	3/14/2017
450	X-17635-00-EM-DP	EM	2246306	5/29/2013	2246306-0001	5/29/2013
451	X-17635-00-JP-DP	JP	2013-011822	5/29/2013	1506132	8/1/2014
452	X-17635-00-JP-DP-DIV	JP	2014-011157	5/26/2014	1510041	9/26/2014
453	X-17635-00-JP-DP-DIV2	JP	2014-011155	5/26/2014		
454	X-17635-00-JP-DP-DIV3	JP	2014-011156	5/26/2014		
455	X-17635-00-KR-DP	KR	30-2013-0027870	5/29/2013	30-0730266	2/13/2014
456	X-17635-01-DP	US	29/438,651	11/30/2012	0739,423	9/22/2015
457	X-17635-01-DP-DIV	US	29/537,066	8/21/2015	0776,681	1/17/2017
458	X-17635-01-DP-DIV2	US	29/582,394	10/27/2016		
459	X-17635-01-EM-DP	EM	2246306	5/29/2013	2246306-0002	5/29/2013
460	X-17635-02-EM-DP	EM	2246306	5/29/2013	2246306-0003	5/29/2013
461	X-17635-03-EM-DP	EM	2246306	5/29/2013	2246306-0004	5/29/2013
462	X-17635-04-EM-DP	EM	2246306	5/29/2013	2246306-0005	5/29/2013
463	X-17635-05-EM-DP	EM	2246306	5/29/2013	2246306-0006	5/29/2013
464	X-17635-06-EM-DP	EM	2246306	5/29/2013	2246306-0007	5/29/2013
465	X-17635-07-EM-DP	EM	2246306	5/29/2013	2246306-0008	5/29/2013
466	X-17801-00-DP	US	29/448,316	3/12/2013	0750,663	3/1/2016
467	X-17801-00-DP-DIV	US	29/549,496	12/22/2015	0761,857	7/19/2016
468	X-17801-00-DP-DIV-CON	US	29/566,867	6/3/2016		
469	X-17801-00-DP-DIV2	US	29/549,537	12/22/2015		
470	X-17801-00-DP-DIV3	US	29/549,564	12/22/2015		
471	X-17802-00-US	US	13/891,397	5/10/2013		
472	X-17805-00-US	US	13/851,469	3/27/2013	9,130,254	9/8/2015
473	X-17806-00-US	US	13/855,069	4/2/2013		
474	X-17807-00-US	US	13/852,416	3/28/2013	9,123,979	9/1/2015
475	X-17808-00-US	US	13/854,190	4/1/2013	9,142,872	9/22/2015
476	X-17809-00-US	US	13/866,410	4/19/2013	9,178,258	11/3/2015
477	X-17810-00-US	US	13/856,822	4/4/2013	9,043,072	5/25/2015

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478	X-17811-00-US	US	13/849,321	3/22/2013	9,395,727	7/19/2016
479	X-17818-00-CN	CN	201480032483	4/3/2014		
480	X-17818-00-EP	EP	14780155.9	4/3/2014		
481	X-17818-00-JP	JP	2016-506621	4/3/2014		
482	X-17818-00-KR	KR	10-2015-7031819	4/3/2014	10-1688762	12/15/2016
483	X-17818-00-US	US	13/857,240	4/5/2013	9,342,074	5/17/2016
484	X-17818-00-WO	WO	PCT/US2014/032843	4/3/2014		
485	X-17903-00-US	US	13/864,336	4/17/2013	9,164,511	10/20/2015
486	X-17903-00-US-CON	US	14/855,009	9/15/2015		
487	X-17904-00-US	US				
488	X-17944-00-US	US	13/868,353	4/23/2013	8,977,007	3/10/2015
489	X-17949-00-US	US	13/860,664	4/11/2013	9,207,323	12/8/2015
490	X-17949-01-US	US	13/873,442	4/30/2013	8,983,705	3/17/2015
491	X-17949-01-US-CON	US	14/814,853	2/5/2015	9,360,956	6/7/2016
492	X-17949-02-US	US	13/888,883	5/7/2013	9,025,140	5/5/2015
493	X-17949-03-CN	CN	201480033640	4/7/2014		
494	X-17949-03-EP	EP	14783297.6	4/7/2014		
495	X-17949-03-JP	JP	2016-507580	4/7/2014		
496	X-17949-03-KR	KR	10-2015-7032355	4/7/2014		
497	X-17949-03-US	US	13/888,634	5/7/2013		
498	X-17949-03-WO	WO	PCT/US2014/033125	4/7/2014		
499	X-17992-00-US	US	13/837,573	3/15/2013	5,008,690	4/14/2015
500	X-17992-00-US-CON	US	14/679,471	4/5/2015	5,541,410	1/10/2017
501	X-17992-00-US-CON2	US	15/372,071	12/7/2016		
502	X-17992-01-US	US	13/837,306	3/15/2013	8,996,224	3/31/2015
503	X-17992-02-US	US	13/835,448	3/15/2013	8,849,494	9/30/2014
504	X-17992-03-US	US	13/835,295	3/15/2013		
505	X-18107-00-CN	CN	201480037918.1	4/22/2014	71201480037918	12/14/2016
506	X-18107-00-CN-DIV	CN	201710000895.2	4/22/2014		
507	X-18107-00-CN-DIV2	CN	201710000906.7	4/22/2014		
508	X-18107-00-EP	EP	14791472.5	4/22/2014		
509	X-18107-00-JP	JP	2016-512910	4/22/2014		
510	X-18107-00-KR	KR	10-2015-7031517	4/22/2014	10-1614677	4/15/2016
511	X-18107-00-KR-DIV	KR	10-2016-7009720	4/12/2016		
512	X-18107-00-US	US	13/886,563	5/3/2013	9,254,846	2/9/2016
513	X-18107-00-US-CON	US	14/827,578	8/17/2015	9,381,917	7/5/2016
514	X-18107-00-US-CON2	US	15/170,211	6/1/2016	9,561,797	2/7/2017
515	X-18107-00-WO	WO	PCT/US2014/034903	4/22/2014		
516	X-18188-00-CN	CN	201480028705	4/8/2014		
517	X-18188-00-EP	EP	14782618.4	4/8/2014		
518	X-18188-00-JP	JP	2016-507605	4/8/2014		
519	X-18188-00-KR	KR	10-2015-7031970	4/8/2014	10-1636666	6/29/2016
520	X-18188-00-US	US	13/859,990	4/10/2013	9,141,107	9/23/2015
521	X-18188-00-US-DIV	US	14/828,700	8/18/2015	9,575,490	2/21/2017
522	X-18188-00-US-DIV2	US	15/370,361	12/6/2016		
523	X-18188-00-WO	WO	PCT/US2014/333325	4/8/2014		
524	X-18189-00-US	US				
525	X-18289-00-US	US	13/927,225	6/26/2013	9,349,055	5/24/2016

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526	X-18289-00-US-CON	US	15/134,570	4/21/2016		
527	X-18291-00-US	US	13/927,248	5/25/2013	9,305,223	4/5/2016
528	X-18291-00-US-CON	US	15/056,780	2/29/2016	9,507,347	11/29/2016
529	X-18291-00-US-CON2	US	15/331,079	10/21/2016		
530	X-18459-00-US	US	13/927,518	6/26/2013	9,080,866	7/14/2015
531	X-18462-00-US	US	13/923,743	5/21/2013	8,825,259	9/2/2014
532	X-18462-00-US-CON	US	14/341,824	7/27/2014	9,213,337	12/15/2015
533	X-18467-00-US	US	13/916,933	5/13/2013	9,121,703	9/1/2015
534	X-18470-00-US	US	13/973,154	8/22/2013	9,043,071	5/26/2015
535	X-18472-00-CN	CN	201480036319.8	4/22/2014		
536	X-18472-00-EP	EP	14817319.8	4/22/2014	2976243	3/29/2017
537	X-18472-00-EP-DIV	EP	17152655.1	4/22/2014		
538	X-18472-00-JP	JP	2015-563088	4/22/2014	6055562	12/9/2016
539	X-18472-00-KR	KR	10-2015-7027973	4/22/2014	10-1608337	3/18/2016
540	X-18472-00-KR-DIV	KR	10-2016-7007136	4/22/2014		
541	X-18472-00-US	US	13/925,795	5/24/2013	9,145,139	9/29/2015
542	X-18472-00-US-CON	US	14/829,979	8/19/2015	9,387,854	7/12/2016
543	X-18472-00-WO	WO	PCT/US2014/034904	4/22/2014		
544	X-18676-00-US	US	13/942,747	7/15/2013	9,285,520	3/15/2016
545	X-18676-00-US-CON	US	15/018,077	2/8/2016		
546	X-18677-00-US	US	13/952,853	7/29/2013	9,558,584	1/31/2017
547	X-18677-00-US-CON	US	15/379,757	12/15/2016		
548	X-18678-00-US	US	13/940,429	7/12/2013	9,523,984	12/20/2015
549	X-18678-00-US-CON	US	15/347,389	11/9/2016		
550	X-18679-00-US	US	14/039,349	9/27/2013	9,260,092	2/16/2016
551	X-18679-00-US-CON	US	14/988,968	1/6/2016		
552	X-18690-00-US	US	14/010,937	8/27/2013	9,201,424	12/1/2015
553	X-18692-00-US	US	13/948,457	7/23/2013		
554	X-18693-00-US	US	13/948,207	7/23/2013	8,825,260	9/2/2014
555	X-18693-00-US-CON	US	14/332,498	7/16/2014	9,097,804	8/4/2015
556	X-18715-00-US	US	13/949,894	7/24/2013	8,818,681	8/26/2014
557	X-18715-00-US-CON	US	14/096,613	12/4/2013	8,818,682	8/26/2014
558	X-18715-00-US-CON2	US	14/320,824	7/1/2014	9,050,977	5/9/2015
559	X-18715-00-US-CON3	US	14/703,053	5/4/2015	9,290,181	3/22/2016
560	X-18715-00-US-CON4	US	15/016,539	2/5/2016		
561	X-18720-00-US	US	13/936,522	7/8/2013	9,062,979	5/23/2015
562	X-18720-00-US-CON	US	14/716,097	5/19/2015	9,255,805	2/9/2016
563	X-18727-00-US	US	13/960,969	8/7/2013		
564	X-18728-00-US	US	13/955,970	7/31/2013	9,224,053	12/29/2015
565	X-18728-00-US-CON	US	14/939,232	11/12/2015		
566	X-18729-00-US	US	13/996,871	9/1/2013	9,261,861	2/16/2016
567	X-18729-00-US-CON	US	14/987,031	1/4/2016	9,440,652	9/13/2016
568	X-19093-00-US	US				
569	X-19105-00-US	US	14/037,054	9/25/2013	8,985,652	3/24/2015
570	X-19113-00-US	US	14/041,121	9/30/2013	9,315,192	4/19/2016
571	X-19114-00-US	US	14/042,103	9/30/2013	9,336,436	5/10/2016
572	X-19128-00-CN	CN	201480057538.4	7/23/2014		
573	X-19125-00-EP	EP	14838660.2	7/23/2014		

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574	X-19126-00-JP	JP	2016-536095	7/23/2014		
575	X-19126-00-KR	KR	10-2016-7006978	7/23/2014		
576	X-19127-00-CN	CN	201480042408	7/23/2014		
577	X-19127-00-EP	EP	14833071.5	7/23/2014		
578	X-19127-00-JP	JP	2016-531760	7/23/2014		
579	X-19127-00-KR	KR	10-2016-7004929	7/23/2014		
580	X-19127-00-US	US	13/955,583	7/31/2013	8,742,325	6/3/2014
581	X-19127-00-US-CON	US	14/265,583	4/30/2014	9,285,474	3/15/2016
582	X-19127-00-WO	WO	PCT/US2014/047846	7/23/2014		
583	X-19131-00-US	US	14/042,700	9/30/2013	9,299,731	3/29/2016
584	X-19133-00-CN	CN	201480054147.7	9/18/2014		
585	X-19133-00-US	US	14/042,705	9/30/2013	9,425,654	8/23/2016
586	X-19133-00-US-CON	US	15/214,231	7/19/2016		
587	X-19133-00-WO	WO	PCT/US2014/056365	9/18/2014		
588	X-19137-00-US	US	14/039,817	9/27/2013		
589	X-19392-00-PR	US	61/911,853	12/4/2013		
590	X-19392-00-US	US	14/539,533	11/12/2014	9,340,178	5/17/2016
591	X-19444-00-US	US	14/073,335	11/6/2013		
592	X-19444-00-US-CON	US	15/154,366	5/13/2016		
593	X-19528-00-US	US	14/074,356	11/7/2013		
594	X-19610-00-US	US	14/086,366	11/21/2013	9,310,804	4/12/2016
595	X-19610-00-US-CON	US	15/062,853	3/7/2016	9,417,631	8/16/2016
596	X-19611-00-PR	US	61/908,887	11/27/2013		
597	X-19611-00-US	US	14/254,830	4/16/2014	9,563,199	2/7/2017
598	X-19611-00-US-CON	US	15/387,826	12/22/2016		
599	X-19611-01-US	US	14/254,810	4/16/2014	9,201,421	12/1/2015
600	X-19612-00-US	US	14/089,004	12/6/2013	9,335,766	5/10/2016
601	X-19612-00-US-CON	US	15/094,776	4/8/2016		
602	X-19613-00-US	US	14/095,199	12/3/2013	9,275,136	3/1/2016
603	X-19613-00-US-CON	US	15/004,232	1/22/2016		
604	X-19614-00-US	US	14/090,308	11/26/2013	8,989,944	3/24/2015
605	X-19764-00-US	US	14/161,295	1/22/2014	9,081,383	7/14/2015
606	X-19764-00-US-CON	US	14/724,243	5/28/2015	9,494,942	11/15/2016
607	X-19788-00-US	US	14/135,818	12/20/2013	9,285,230	3/15/2016
608	X-19789-00-US	US	14/135,935	12/20/2013	9,395,192	7/19/2016
609	X-200080-00-PR	US	62/273,067	12/30/2015		
610	X-200080-00-US	US	15/358,729	11/22/2016		
611	X-200080-00-WO	WO	PCT/US2016/068650	12/27/2016		
612	X-200095-00-US	US	15/158,984	5/19/2016		
613	X-20025-00-CN	CN	201580031607.9	5/13/2015		
614	X-20025-00-EP	EP	15793129.6	5/13/2015		
615	X-20025-00-JP	JP	2016-563805	5/13/2015		
616	X-20025-00-KR	KR	10-2016-7034795	5/13/2015		
617	X-20025-00-US	US	14/276,086	5/13/2014	9,341,224	5/17/2016
618	X-20025-00-WO	WO	PCT/US2015/030643	5/13/2015		
619	X-20025-01-WO	WO				
620	X-200250-00-US	US	15/141,306	4/28/2016		
621	X-200390-00-US	US	15/202,698	7/6/2016		

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622	X-200534-00-US	US	15/209,310	7/13/2016		
623	X-20058-00-US	US	14/148,874	1/7/2014	8,886,387	11/11/2014
624	X-20058-00-US-CON	US	14/510,280	10/9/2014	9,207,680	12/8/2015
625	X-20059-00-CN	CN	201580009837.5	1/7/2015		
626	X-20059-00-EP	EP	15754416.4	1/7/2015		
627	X-20059-00-US	US	14/191,374	2/26/2014	8,998,297	4/7/2015
628	X-20059-00-WO	WO	PCT/US2015/010400	1/7/2015		
629	X-20158-00-US	US	14/172,906	2/5/2014	9,195,232	11/24/2015
630	X-20345-00-US	US	14/166,502	1/28/2014	9,014,905	4/21/2015
631	X-20353-00-US	US				
632	X-20506-00-CN	CN	201580020571.4	2/9/2015		
633	X-20506-00-EP	EP	15758991.2	8/31/2015		
634	X-20506-00-US	US	14/195,682	3/3/2014		
635	X-20506-00-WO	WO	PCT/US2015/015039	2/9/2015		
636	X-20509-00-US	US	14/195,663	3/3/2014	9,465,388	10/11/2015
637	X-20509-00-US-CON	US	15/257,021	9/6/2016		
638	X-20511-00-CN	CN	201580023379.0	2/9/2015		
639	X-20511-00-EP	EP	15757745.3	2/9/2015		
640	X-20511-00-US	US	14/196,961	3/4/2014	9,547,989	1/17/2017
641	X-20511-00-US-CON	US	15/377,139	12/13/2016		
642	X-20511-00-WO	WO	PCT/US2015/015040	2/9/2015		
643	X-20589-00-US	US	14/208,385	3/13/2014	9,280,710	3/8/2016
644	X-20589-00-US-CON	US	15/002,775	1/21/2016	9,373,045	6/21/2016
645	X-20589-00-US-CON2	US	15/158,008	5/18/2016	9,558,413	1/31/2017
646	X-20740-00-US	US	14/249,611	4/10/2014	9,384,402	7/5/2016
647	X-20740-00-US-CON	US	15/173,347	6/3/2016		
648	X-20755-00-US	US	14/244,404	4/3/2014	9,494,938	11/15/2016
649	X-20755-00-US-CON	US	15/084,568	3/30/2016		
650	X-20757-00-US	US	14/244,988	4/4/2014		
651	X-20768-00-US	US	14/229,597	3/28/2014	9,472,853	10/18/2015
652	X-20768-00-US-CON	US	15/266,777	9/15/2016		
653	X-20768-01-US	US	14/677,004	4/2/2015		
654	X-20769-00-US	US	14/244,389	4/3/2014		
655	X-20770-00-US	US				
656	X-20771-00-US	US	14/250,752	4/11/2014	9,436,180	9/6/2016
657	X-20772-00-US	US				
658	X-20786-00-US	US				
659	X-20847-00-CN	CN	201510411445	4/27/2015		
660	X-20847-00-EP	EP	15165113	4/24/2015		
661	X-20847-00-JP	JP	2015-89455	4/24/2015	5912200	4/8/2016
662	X-20847-00-US	US	14/262,269	4/25/2014	9,098,753	8/4/2015
663	X-20847-00-US-CON	US	14/791,725	7/6/2015		
664	X-20848-00-CN	CN	201510411445	4/27/2015		
665	X-20848-00-EP	EP	15165112.2	4/24/2015		
666	X-20848-00-JP	JP	2015-89456	4/24/2015		
667	X-20848-00-US	US	14/262,651	4/25/2014	9,098,754	8/4/2015
668	X-20848-00-US-CON	US	14/749,151	6/24/2015		
669	X-20967-00-PR	US	61/989,798	5/7/2014		

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670	X-20967-00-US	US	14/526,947	10/29/2014	9,221,397	12/29/2015
671	X-20967-00-US-CON	US	14/946,935	11/20/2015	9,505,348	11/29/2016
672	X-21086-00-CA	CA	TBD	5/9/2015		
673	X-21086-00-CN	CN	TBD	5/9/2015		
674	X-21086-00-EP	EP	15796151.7	5/9/2015		
675	X-21086-00-JP	JP	2016-566242	5/9/2015		
676	X-21086-00-KR	KR	10-2016-7036011	5/9/2015		
677	X-21086-00-US	US	14/286,545	5/23/2014	9,393,922	7/19/2015
678	X-21086-00-WO	WO	PCT/US2015/030048	5/9/2015		
679	X-21240-00-PR	US	62/012,295	5/14/2014		
680	X-21240-00-US	US	14/568,479	12/12/2014		
681	X-21615-00-DP	US	29/491,722	5/23/2014	D734,211	7/14/2015
682	X-21615-00-DP-DIV	US	29/539,601	6/9/2015	D755,673	5/10/2016
683	X-21615-01-DP	US	29/491,723	5/23/2014	D731,383	6/9/2015
684	X-21615-01-DP-DIV	US	29/514,665	1/15/2015	D758,269	6/7/2015
685	X-21615-01-DP-DIV2	US	29/560,180	4/4/2016		
686	X-21615-01-DP-DIV2-CON	US				
687	X-21615-01-DP-DIV3	US	29/560,183	4/4/2016		
688	X-21615-01-DP-DIV4	US	29/560,186	4/4/2016		
689	X-21615-02-DP	US	29/491,717	5/23/2014	D773,975	12/13/2016
690	X-21615-03-DP	US	29/491,734	5/23/2014	D763,481	8/9/2015
691	X-21615-04-DP	US	29/491,730	5/23/2014	D748,362	1/26/2016
692	X-21615-04-DP-DIV	US	29/546,573	11/24/2015	D778,472	2/7/2017
693	X-21615-05-DP	US	29/491,726	5/23/2014	D746,194	12/29/2015
694	X-21615-06-DP	US	29/491,727	5/23/2014	D733,630	7/7/2015
695	X-21615-06-DP-DIV	US	29/527,864	5/22/2015	D757,620	5/31/2016
696	X-21615-06-DP-DIV2	US	29/527,869	5/22/2015	D757,621	5/31/2016
697	X-21615-07-DP	US	29/491,937	5/27/2014	D770,349	11/1/2016
698	X-21615-07-DP-DIV	US	29/578,541	9/22/2016		
699	X-21615-08-DP	US	29/491,870	5/27/2014	D744,935	12/8/2015
700	X-21615-09-DP	US	29/491,867	5/27/2014	D764,386	8/23/2016
701	X-21615-10-DP	US	29/491,868	5/27/2014	D755,531	5/10/2016
702	X-21615-10-DP-DIV	US	29/547,496	12/4/2015	D778,080	2/7/2017
703	X-21615-11-DP	US	29/491,885	5/27/2014		
704	X-21615-12-DP	US	29/491,889	5/27/2014		
705	X-21615-12-DP-DIV	US	29/578,534	9/22/2016		
706	X-21635-00-AU	AU	2015263981	5/22/2015		
707	X-21635-00-CA	CA	2,947,995	5/22/2015		
708	X-21635-00-CN	CN	201580023657.2	5/22/2015		
709	X-21635-00-EP	EP	15796123.6	5/22/2015		
710	X-21635-00-JP	JP	2016-563620	5/22/2015		
711	X-21635-00-KR	KR	10-2016-7030982	5/22/2015		
712	X-21635-00-PR	US	62/002,315	5/23/2014		
713	X-21635-00-US	US	14/455,215	8/8/2014	9,436,182	9/6/2016
714	X-21635-00-US-CON	US	15/176,535	6/8/2016		
715	X-21635-00-WO	WO	PCT/US2015/032171	5/22/2015		
716	X-21635-01-PR	US	62/002,319	5/23/2014		
717	X-21696-00-US	US	14/455,252	8/8/2014	9,340,231	5/17/2016

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718	X-21697-00-US	US	14/454,371	8/7/2014		
719	X-21698-00-CN	CN		7/20/2015		
720	X-21698-00-EP	EP	15829511.3	7/20/2015		
721	X-21698-00-JP	JP	2017-505819	7/20/2015		
722	X-21698-00-KR	KR	10-2017-7005758	7/20/2015		
723	X-21698-00-US	US	14/453,416	8/6/2014		
724	X-21698-00-WO	WO	PCT/US2015/041137	7/20/2015		
725	X-21699-00-CN	CN	201580038127.5	7/16/2015		
726	X-21699-00-EP	EP	EP15827437.3	7/15/2015		
727	X-21699-00-JP	JP	2017-501372	7/16/2015		
728	X-21699-00-KR	KR	10-2017-7000913	7/15/2015		
729	X-21699-00-US	US	14/448,299	7/31/2014		
730	X-21699-00-WO	WO	PCT/US2015/040698	7/16/2015		
731	X-21700-00-US	US				
732	X-21702-00-US	US	14/452,860	8/6/2014		
733	X-21765-00-CN	CN		7/22/2015		
734	X-21766-00-EP	EP	15833352.6	7/22/2015		
735	X-21766-00-JP	JP	2017-505799	7/22/2015		
736	X-21766-00-KR	KR	10-2017-7007343	7/22/2015		
737	X-21766-00-US	US	14/461,417	8/17/2014	9,512,317	4/4/2017
738	X-21766-00-WO	WO	PCT/US2015/041513	7/22/2015		
739	X-21767-00-CN	CN		7/22/2015		
740	X-21767-00-EP	EP	15832296.6	7/22/2015		
741	X-21767-00-JP	JP	2017-505798	7/22/2015		
742	X-21767-00-KR	KR	10-2017-7006901	7/22/2015		
743	X-21767-00-US	US	14/459,389	8/14/2014		
744	X-21767-00-WO	WO	PCT/US2015/041509	7/22/2015		
745	X-21768-00-US	US	14/450,545	8/4/2014		
746	X-21771-00-US	US	14/461,031	8/15/2014	9,442,487	9/13/2016
747	X-21771-00-US-DIV	US	15/238,372	8/16/2016		
748	X-21773-00-PR	US	62/037,970	8/15/2014		
749	X-21773-00-US	US	14/595,681	12/30/2014	9,187,088	11/17/2015
750	X-21773-00-US-CON	US	14/885,815	10/16/2015	9,557,737	1/31/2017
751	X-21773-00-US-CON2	US	15/399,613	1/5/2017		
752	X-21885-00-CN	CN		8/15/2015		
753	X-21885-00-EP	EP	15835708.7	8/15/2015		
754	X-21885-00-JP	JP	2017-589028	8/15/2015		
755	X-21885-00-KR	KR		8/15/2015		
756	X-21885-00-PR	US	62/043,301	8/28/2014		
757	X-21885-00-US	US	14/494,173	9/23/2014		
758	X-21885-00-WO	WO	PCT/US2015/045435	8/15/2015		
759	X-21896-00-PR	US	62/043,558	8/29/2014		
760	X-21896-00-US	US	14/523,253	10/24/2014	9,558,659	1/31/2017
761	X-21896-00-US-CON	US	15/384,782	12/20/2016		
762	X-21897-00-US	US	14/472,795	8/29/2014	9,321,461	4/26/2016
763	X-21897-00-US-CON	US	15/070,425	3/15/2016		
764	X-21898-00-PR	US	62/040,083	8/21/2014		
765	X-21898-00-US	US	14/538,669	11/11/2014		

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766	X-21912-00-US	US	14/472,900	8/29/2014		
767	X-21912-00-US-CON	US	14/840,515	8/31/2015	9,599,477	
768	X-21913-00-US	US				
769	X-21952-00-US	US	14/471,640	8/28/2014		
770	X-21967-00-PR	US	62/043,581	8/29/2014		
771	X-21967-00-US	US	14/503,626	10/1/2014	9,558,411	1/31/2017
772	X-21967-00-US-CON	US	15/383,317	12/19/2016		
773	X-22075-00-US	US				
774	X-22128-00-US	US	14/488,792	9/17/2014	9,424,475	8/23/2016
775	X-22128-00-US-CON	US	15/215,890	7/21/2016		
776	X-22129-00-US	US	14/505,007	10/2/2014	9,248,834	2/2/2016
777	X-22129-00-US-CON	US	14/873,647	10/2/2015		
778	X-22129-00-US-CON2	US	15/278,341	9/28/2016		
779	X-22251-00-US	US	14/492,459	9/22/2014	9,440,647	9/13/2016
780	X-22431-00-US	US	14/744,831	6/19/2015		
781	X-22526-00-CN	CN	TBD	10/23/2015		
782	X-22526-00-EP	EP	15853658.1	10/23/2015		
783	X-22526-00-JP	JP	2017-513793	10/23/2015		
784	X-22526-00-KR	KR		10/23/2015		
785	X-22526-00-US	US	14/529,482	10/31/2014		
786	X-22526-00-WO	WO	PCT/US2015/057074	10/23/2015		
787	X-22526-01-US	US	14/529,520	10/31/2014		
788	X-22621-00-US	US	14/532,729	11/4/2014	9,568,592	2/14/2017
789	X-22621-00-US-CON	US	15/393,737	12/29/2016		
790	X-22636-00-US	US	14/549,977	11/21/2014	9,547,307	1/17/2017
791	X-22636-00-US-CON	US	15/278,419	9/28/2016		
792	X-22637-00-US	US	14/549,999	11/21/2014		
793	X-22637-00-US-CON	US				
794	X-22638-00-US	US	14/550,054	11/21/2014	9,194,168	11/24/2015
795	X-22638-00-WO	WO	PCT/US2015/032181	5/22/2015		
796	X-22639-00-US	US				
797	X-22747-00-US	US				
798	X-22748-00-US	US	14/548,807	11/20/2014		
799	X-22974-00-US	US	14/608,531	1/29/2015		
800	X-23061-00-PR	US	62/083,042	11/21/2014		
801	X-23188-00-PR	US	62/110,968	2/2/2015		
802	X-23188-00-US	US	15/607,944	1/27/2016		
803	X-23193-00-US	US	14/668,452	3/25/2015		
804	X-23193-00-US-CON	US	US15/455,009	3/9/2017		
805	X-23193-00-WO	WO	PCT/US2016/19229	2/24/2016		
806	X-23194-00-US	US	14/679,683	4/6/2015		
807	X-23194-00-WO	WO	PCT/US2016/021542	3/9/2016		
808	X-23195-00-US	US	14/669,109	3/26/2015	9,529,079	12/27/2016
809	X-23195-00-US-CON	US	15/357,630	11/21/2016		
810	X-23196-00-US	US	14/663,083	3/19/2015		
811	X-23197-00-US	US	14/671,085	3/27/2015		
812	X-23197-00-WO	WO	PCT/US2016/23125	3/18/2016		
813	X-23214-00-US	US	14/681,424	4/8/2015	9,557,736	1/31/2017

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814	X-23214-00-US-CON	US	15/384,841	12/20/2015		
815	X-23424-00-US	US	14/721,604	5/26/2015	9,368,026	6/14/2016
816	X-23424-00-US-CON	US	15/153,117	5/12/2015		
817	X-23424-00-WO	WO	PCT/US2016/033728	5/23/2016		
818	X-23425-00-US	US	14/721,634	5/26/2015		
819	X-23464-00-US	US	14/716,790	5/19/2015	9,352,682	5/31/2016
820	X-23471-00-PR	US	62/166,780	5/27/2015		
821	X-23562-00-US	US	14/745,799	6/22/2015		
822	X-23562-00-WO	WO	PCT/US2016/035977	6/6/2016		
823	X-23700-00-US	US	14/753,970	6/29/2015		
824	X-23701-00-US	US	14/753,887	6/29/2015		
825	X-23893-00-US	US	14/744,870	6/19/2015		
826	X-23896-00-US	US	14/818,769	8/5/2015		
827	X-23970-00-US	US				
828	X-23981-00-PR	US	62/182,181	5/19/2015		
829	X-23981-00-US	US	15/156,955	5/17/2016		
830	X-23981-00-WO	WO	PCT/US2016/035023	5/31/2016		
831	X-24079-00-US	US	14/845,548	9/4/2015		
832	X-24080-00-US	US	14/845,739	9/4/2015		
833	X-24081-00-US	US	14/845,410	9/4/2015		
834	X-24082-00-US	US	14/844,607	9/3/2015		
835	X-24083-00-US	US	14/845,702	9/4/2015	9,566,939	2/14/2017
836	X-24083-00-US-CON	US	15/405,704	1/13/2017		
837	X-24084-00-US	US	14/847,579	9/8/2015		
838	X-24085-00-US	US				
839	X-24087-00-PR	US	62/181,896	6/19/2015		
840	X-24087-00-US	US	15/087,118	3/31/2016		
841	X-24088-00-PR	US	62/181,892	6/19/2015		
842	X-24089-00-US	US	14/845,616	9/4/2015	9,463,794	10/11/2016
843	X-24089-00-US-CON	US	15/258,396	9/7/2016		
844	X-24114-00-US	US	14/837,548	8/27/2015		
845	X-24152-00-US	US	14/869,015	9/29/2015		
846	X-24227-00-US	US	14/924,351	10/27/2015		
847	X-24284-00-US	US	14/919,667	10/21/2015		
848	X-24284-00-WO	WO	PCT/US2016/057562	10/19/2016		
849	X-24324-00-US	US	14/968,197	12/14/2015		
850	X-24420-00-US	US				
851	X-24453-00-US	US	14/948,754	11/23/2015		
852	X-24516-00-US	US	14/972,825	12/17/2015		
853	X-24535-00-CN	CN	201611093423.8	12/1/2016		
854	X-24535-00-US	US	14/955,769	12/1/2015	9,613,386	
855	X-24535-00-US-CON	US	15/410,242	1/19/2017		
856	X-24539-00-US	US	14/986,063	12/31/2015		
857	X-24541-00-PR	US	62/234,814	9/30/2015		
858	X-24541-00-US	US	15/089,708	4/4/2016		
859	X-24541-01-US	US	15/089,716	4/4/2016		
860	X-24541-02-US	US	15/089,796	4/4/2016		
861	X-24541-03-US	US	15/089,776	4/4/2016		

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862	X-24548-00-US	US	14/959,067	12/4/2015		
863	X-24548-00-WO	WO	PCT/US16/61798	11/14/2016		
864	X-24678-00-US	US	14/977,926	12/22/2015		
865	X-24679-00-US	US	14/977,940	12/22/2015		
866	X-24680-00-US	US	14/977,957	12/22/2015		
867	X-24681-00-US	US	14/977,964	12/22/2015		
868	X-24695-00-US	US	15/006,844	1/26/2016		
869	X-24696-00-US-CON	US	US15/454,375	3/9/2017		
870	X-24695-00-WO	WO	PCT/US2017/014275	1/20/2017		
871	X-24753-00-US	US	14/991,150	1/8/2016	9,551,992	1/24/2017
872	X-24753-00-US-CON	US	15/371,595	12/7/2016		
873	X-24753-00-WO	WO	PCT/US2016/068233	12/22/2016		
874	X-24876-00-US	US	15/014,508	2/3/2016		
875	X-24876-00-WO	WO	PCT/US2017/012512	1/6/2017		
876	X-24913-00-US	US	15/013,233	2/2/2016		
877	X-24915-00-US	US	15/054,958	2/26/2016		
878	X-24991-00-US	US	15/054,811	2/26/2016		
879	X-25005-00-US	US	15/054,540	2/26/2016		
880	X-25005-00-US	US	15/054,570	2/26/2016		
881	X-25005-00-WO	WO	PCT/US2017/012664	1/9/2017		
882	X-25007-00-US	US	15/054,441	2/26/2016		
883	X-25018-00-US	US	15/079,591	3/24/2016		
884	X-25018-00-WO	WO				
885	X-2674-00-CN	CN	201180009746	1/20/2011		
886	X-2674-00-EP	EP	11702743.3	1/20/2011		
887	X-2674-00-JP	JP	2012-550099	1/20/2011	6005641	9/16/2015
888	X-2674-00-JP-DIV	JP	2016-177093	1/20/2011		
889	X-2674-00-KR	KR	2012-7021883	1/20/2011	KR10-1534056	7/6/2015
890	X-2674-00-PR	US	61/297,468	1/22/2010		
891	X-2674-00-US	US	12/819,575	6/21/2010	8,559,673	10/15/2013
892	X-2674-00-US-CON	US	14/030,397	9/18/2013	8,712,104	4/29/2014
893	X-2674-00-US-CON2	US	14/202,124	3/10/2014	8,818,043	8/26/2014
894	X-2674-00-WO	WO	PCT/US2011/021797	1/20/2011		
895	X-2691-00-US	US	12/769,252	4/28/2010	8,346,426	1/1/2013
896	X-2691-00-US-CON	US	13/682,920	11/21/2012	8,706,342	4/22/2014
897	X-2829-00-US-CIP	US	12/832,447	7/8/2010	8,260,482	9/4/2012
898	X-2829-00-US-CON	US	13/567,428	8/6/2012	8,352,110	1/8/2013
899	X-2829-00-US-CON10	US	14/820,947	8/7/2015	9,582,907	2/28/2017
900	X-2829-00-US-CON11	US	14/820,951	8/7/2015	9,519,287	12/13/2016
901	X-2829-00-US-CON12	US	15/344,007	11/4/2016		
902	X-2829-00-US-CON13	US	15/404,556	1/12/2017		
903	X-2829-00-US-CON2	US	13/707,937	12/7/2012	8,433,470	4/30/2013
904	X-2829-00-US-CON3	US	13/781,173	2/28/2013	8,738,213	5/27/2014
905	X-2829-00-US-CON5	US	13/781,113	2/28/2013	8,818,610	8/26/2014
906	X-2829-00-US-CON6	US	13/788,552	3/7/2013	8,570,891	3/11/2014
907	X-2829-00-US-CON7	US	14/158,986	1/20/2014	8,825,251	9/2/2014
908	X-2829-00-US-CON8	US	14/333,804	7/17/2014	9,132,840	9/15/2015
909	X-2829-00-US-CON9	US	14/445,493	7/29/2014	9,134,729	9/15/2015

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910	X-3189-00-US	US	13/004,514	1/11/2011	8,630,897	1/14/2014
911	X-3189-00-US-CON	US	14/101,693	12/10/2013		
912	X-3810-19-KR	KR	KR200003579A	1/26/2000	429124	4/14/2004
913	X-3810-19-US	US	09/239,330	1/28/1999	6,442,473	8/27/2002
914	X-3810-32-US	US	09/661,533	9/14/2000	6,356,812	3/12/2002
915	X-3810-43-US	US	11/380,665	4/28/2006	7,425,903	9/16/2008
916	X-3810-43-US-CON	US	12/145,445	5/24/2008	7,782,227	8/24/2010
917	X-3810-44-US	US	11/382,285	5/9/2006	7,443,284	10/28/2008
918	X-3810-44-US-CON	US	12/173,430	7/15/2008	7,821,381	10/26/2010
919	X-3884-00-PR	US	61/390,075	10/5/2010		
920	X-3885-00-PR	US	61/390,109	10/5/2010		
921	X-3886-00-PR	US	61/390,113	10/5/2010		
922	X-3887-00-PR	US	61/390,094	10/5/2010		
923	X-3923-00-PR	US	61/391,256	10/8/2010		
924	X-3924-00-PR	US	61/391,262	10/8/2010		
925	X-3925-00-PR	US	61/391,292	10/8/2010		
926	X-3926-00-PR	US	61/391,271	10/8/2010		
927	X-4022-00-US	US	12/966,272	12/13/2010		
928	X-40749-00-US	US	15/219,423	7/26/2016		
929	X-42846-00-US	US	15/206,839	7/11/2016		
930	X-43007-00-US	US	15/247,343	8/25/2016		
931	X-43063-00-US	US				
932	X-43455-00-PR	US	62/353,329	6/22/2016		
933	X-43455-00-US	US				
934	X-43482-00-US	US	15/217,298	7/22/2016		
935	X-43484-00-US	US	15/228,305	8/4/2016		
936	X-43659-00-US	US	15/271,140	9/20/2016		
937	X-43659-01-US	US	15/283,328	10/1/2016		
938	X-43659-02-US	US	15/298,186	10/19/2016		
939	X-43659-03-US	US	15/337,525	10/28/2016		
940	X-4390-00-DE	DE	11802196.3	11/21/2011	2707783	6/17/2015
941	X-4390-00-EP	EP	11802196.3	11/21/2011	2707783	6/17/2015
942	X-4390-00-EP-DIV	EP	15167736.6	11/21/2011	2930580	1/4/2017
943	X-4390-00-EP-DIV2	EP		11/21/2011		
944	X-4390-00-EP-DIV3	DE	602011034194.4	11/21/2011		
945	X-4390-00-GB	GB	11802196.3	11/21/2011	2707783	6/17/2015
946	X-4390-00-JP	JP	2014-510298	11/21/2011		
947	X-4390-00-JP-DIV	JP	2014109698	5/28/2014	5937140	5/20/2016
948	X-4390-00-JP-DIV2	JP	2016-95336	5/11/2016		
949	X-4390-00-KR	KR	10-2013-7029899	11/21/2011		
950	X-4390-00-US	US	13/105,101	5/11/2011	8,078,349	12/13/2011
951	X-4390-00-US-CON	US	13/293,905	11/10/2011	8,321,067	11/27/2012
952	X-4390-00-US-CON2	US	13/660,071	10/25/2012	8,849,493	9/30/2014
953	X-4390-00-US-CON3	US	14/467,201	8/25/2014	9,383,749	7/5/2016
954	X-4390-00-US-CON4	US				
955	X-4390-00-WO	WO	PCT/US2011/061657	11/21/2011		
956	X-4690-00-PR	US	61/480,130	4/28/2011		
957	X-4690-00-US	US	13/345,105	1/6/2012	9,329,388	5/3/2016

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956	X-50002-00-US	US	15/215,974	7/21/2016		
959	X-50008-00-US	US	15/227,113	8/3/2016		
960	X-50063-00-US	US	15/239,328	8/4/2016		
961	X-50064-00-US	US	15/219,580	7/26/2016		
962	X-50065-00-PR	US	62/377,200	8/19/2016		
963	X-50065-00-US	US	15/286,193	10/5/2016		
964	X-50066-00-US	US	15/218,560	7/25/2016		
965	X-50071-00-PR	US	62/366,285	7/26/2016		
966	X-50071-00-US	US	15/292,818	10/13/2016		
967	X-50101-00-US	US				
968	X-50111-00-US	US	15/258,324	9/7/2016		
969	X-50121-00-US	US	15/239,367	8/17/2016		
970	X-50122-00-US	US				
971	X-50173-00-US	US	15/288,463	10/7/2016		
972	X-50181-00-US	US	15/292,251	10/13/2016		
973	X-50182-00-US	US	15/366,746	12/1/2016		
974	X-50184-00-US	US	15/383,842	12/19/2016		
975	X-50185-00-US	US	15/294,172	10/14/2016		
976	X-50186-00-US	US	15/294,886	10/17/2016		
977	X-50187-00-US	US	15/295,573	10/17/2016		
978	X-50188-00-US	US	15/294,335	10/14/2016		
979	X-50189-00-US	US	15/383,112	12/19/2016		
980	X-50190-00-US	US	15/390,454	12/23/2016		
981	X-50191-00-US	US	15/295,619	10/17/2016		
982	X-50192-00-US	US	15/377,951	12/13/2016		
983	X-50193-00-US	US	15/396,476	12/31/2016		
984	X-50195-00-US	US	15/352,717	11/16/2016		
985	X-50196-00-US	US				
986	X-50198-00-US	US	15/368,579	12/3/2016		
987	X-50199-00-US	US	15/293,503	10/14/2016		
988	X-50200-00-US	US	15/299,970	10/21/2016		
989	X-50204-00-US	US	15/270,799	9/20/2016		
990	X-50205-00-US	US	15/331,556	10/21/2016		
991	X-50206-00-US	US	15/333,490	10/25/2016		
992	X-50220-00-US	US	15/355,658	11/18/2016		
993	X-50222-00-US	US	15/299,764	10/21/2016		
994	X-50253-00-US	US				
995	X-50254-00-US	US	15/350,473	11/14/2016		
996	X-50256-00-US	US	15/364,914	11/30/2016		
997	X-50265-00-US	US	15/381,288	12/16/2016		
998	X-50266-00-US	US	15/381,369	12/16/2016		
999	X-50267-00-US	US	15/378,845	12/14/2016		
1000	X-50268-00-US	US	15/374,884	12/9/2016		
1001	X-50269-00-US	US	15/383,648	12/16/2016		
1002	X-50301-00-US	US	15/363,189	11/29/2016		
1003	X-50303-00-US	US	15/363,212	11/29/2016		
1004	X-50374-00-US	US				
1005	X-5103-00-US	US	13/423,704	3/19/2012	9,476,970	10/25/2016

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1006	X-5104-00-US	US	13/277,580	10/20/2011	8,630,806	1/14/2014
1007	X-5104-00-US-CON	US	14/103,280	12/11/2013	9,121,717	9/1/2015
1008	X-5105-00-CN	CN	201180071322	9/30/2011	ZL201180071321	7/13/2016
1009	X-5105-00-EP	EP	11867078.5	9/30/2011		
1010	X-5105-00-JP	JP	2014-513491	9/30/2011		
1011	X-5105-00-KR	KR	10-2013-7034980	9/30/2011		
1012	X-5105-00-US	US	13/150,385	5/1/2011	8,589,014	11/19/2013
1013	X-5105-00-WO	WO	PCT/US2011/054157	9/30/2011		
1014	X-5106-00-US	US	13/151,461	5/2/2011	8,565,958	10/22/2013
1015	X-5107-00-US	US	13/181,068	7/12/2011	8,996,226	3/31/2015
1016	X-5107-00-US-CON	US	14/640,734	3/6/2015	9,261,379	2/16/2016
1017	X-5108-00-US	US	13/293,472	11/10/2011		
1018	X-5108-00-US-CON	US	15/188,138	6/21/2015		
1019	X-5108-00-US-DIV	US	14/590,278	1/6/2015	9,400,183	7/26/2016
1020	X-5109-00-US	US	13/181,999	7/13/2011	8,195,394	6/5/2013
1021	X-5109-00-US-CON	US	13/440,555	4/5/2012	8,874,372	10/28/2014
1022	X-5110-00-US	US	13/116,553	5/25/2011	8,565,481	10/22/2013
1023	X-5110-00-US-CON	US	14/039,313	9/27/2013	9,563,813	2/7/2017
1024	X-5111-00-US	US	13/396,153	2/14/2012	8,612,135	12/17/2013
1025	X-5112-00-US	US	13/200,958	10/5/2011	9,122,948	9/1/2015
1026	X-5112-00-US-CON	US	14/792,995	7/7/2015		
1027	X-5113-00-US	US	13/253,429	10/5/2011	9,120,484	9/1/2015
1028	X-5114-00-CN	CN	201180057943	10/5/2011	ZL201180057942	8/24/2016
1029	X-5114-00-EP	EP	11831583.5	10/5/2011	2625079	3/15/2017
1030	X-5114-00-EP-DIV	EP	17151573.7	10/5/2011		
1031	X-5114-00-JP	JP	2013-532908	10/5/2011	6051162	12/2/2016
1032	X-5114-00-KR	KR	10-2013-7011655	10/5/2011		
1033	X-5114-00-US	US	13/251,705	10/3/2011	8,660,734	2/25/2014
1034	X-5114-00-US-CON	US	14/161,037	1/22/2014	8,948,955	2/3/2015
1035	X-5114-00-WO	WO	PCT/US2011/054896	10/5/2011		
1036	X-5115-00-US	US	13/248,582	9/29/2011	8,634,980	1/21/2014
1037	X-5115-00-US-CON	US	14/134,221	12/19/2013	8,965,621	2/24/2015
1038	X-5115-01-US	US				
1039	X-5116-00-CN	CN	201180057954	9/30/2011	ZL201180057954	8/10/2016
1040	X-5116-00-EP	EP	EP11831362.6	9/30/2011		
1041	X-5116-00-JP	JP	2013-532944	9/30/2011	59/3447	7/22/2016
1042	X-5116-00-KR	KR	10-2013-7011656	9/30/2011		
1043	X-5116-00-US	US	13/150,589	6/1/2011	8,509,982	9/13/2013
1044	X-5116-00-US-CON	US	13/992,090	7/1/2013	8,825,264	9/2/2014
1045	X-5116-00-US-CON2	US	14/224,470	7/7/2014	9,268,332	2/23/2016
1046	X-5116-00-WO	WO	PCT/US2011/054154	9/30/2011		
1047	X-5117-00-US	US	13/252,568	10/4/2011		
1048	X-5117-00-US-CON	US	14/727,273	6/1/2015		
1049	X-5118-00-CN	CN	201180057941	10/5/2011		
1050	X-5118-00-EP	EP	11831505	10/5/2011		
1051	X-5118-00-JP	JP	2013-532909	10/5/2011		
1052	X-5118-00-KR	KR	10-2013-7011657	10/5/2011	10-1637634	
1053	X-5118-00-US	US	13/248,674	9/29/2011	8,874,305	10/28/2014

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1054	X-5118-00-US-CON	US	14/504,542	10/2/2014		
1055	X-5118-00-WO	WO	PCT/US2011/054899	10/5/2011		
1056	X-5218-01-US	US	09/335,297	6/17/1999	6,204,754	3/20/2001
1057	X-5218-02-US	US	09/386,161	8/31/1999	6,163,250	12/19/2000
1058	X-5218-06-US	US	09/558,316	4/25/2000	6,337,638	1/8/2002
1059	X-5218-07-US	US	09/610,299	7/5/2000	6,335,682	1/1/2002
1060	X-5218-18-US	US	10/790,343	2/29/2004	7,349,782	3/25/2008
1061	X-5218-19-US	US	10/930,225	8/31/2004	7,295,904	11/13/2007
1062	X-5218-30-US	US	11/145,669	6/5/2005	7,327,238	2/5/2006
1063	X-5218-30-US-CON	US	11/743,361	5/2/2007	7,446,649	11/4/2008
1064	X-5218-30-US-CON2	US	11/942,290	11/19/2007	7,486,176	2/3/2009
1065	X-5218-31-US	US	11/186,532	7/21/2005	7,330,103	2/12/2008
1066	X-5218-33-US	US	11/194,179	8/1/2005	7,321,306	1/22/2008
1067	X-5218-33-US-CON	US	11/835,042	8/7/2007	7,489,247	2/10/2009
1068	X-5218-33-US-CON2	US	12/198,306	8/26/2008	7,733,228	6/8/2010
1069	X-5218-37-US	US	11/306,665	1/6/2006	7,486,177	2/3/2009
1070	X-5400-00-US	US	13/198,199	8/4/2011	8,825,391	9/2/2014
1071	X-5400-00-US-CON	US	14/452,894	8/6/2014		
1072	X-5437-90-US	US	10/128,958	4/24/2002	6,675,082	1/6/2004
1073	X-5476-00-US	US	08/525,010	9/8/1995	5,734,357	3/31/1998
1074	X-5484-01-US	US	09/652,159	8/31/2000	7,366,677	4/29/2008
1075	X-5486-86-US	US	10/340,388	1/10/2003	6,681,175	1/20/2004
1076	X-5526-00-PR	US	60/679,696	5/11/2005		
1077	X-5526-00-US	US	11/431,399	5/9/2006		
1078	X-5526-01-PR	US	60/679,614	5/10/2005		
1079	X-5526-01-US	US	11/431,400	5/9/2006		
1080	X-5526-02-PR	US	60/679,539	5/9/2005		
1081	X-5526-02-US	US	11/431,908	5/9/2006		
1082	X-5526-03-PR	US	60/595,359	6/27/2005		
1083	X-5526-04-US	US	12/477,853	6/3/2009		
1084	X-5526-05-PR	US	60/909,685	4/2/2007		
1085	X-5526-05-US	US	12/061,552	4/2/2008	8,212,580	7/3/2012
1086	X-5526-05-US-CON	US	13/477,520	5/22/2012		
1087	X-5526-05-WO	WO	PCT/US2008/059184	4/2/2008		
1088	X-5526-06-US	US	12/061,381	2/28/2011		
1089	X-5543-03-US	US	11/584,872	10/23/2006		
1090	X-5602-00-PR	US	60/420,568	10/22/2002		
1091	X-5602-00-US	US	10/289,147	11/18/2002	6,625,539	9/23/2003
1092	X-5602-00-US-CON	US	10/650,346	8/27/2003	6,826,460	11/30/2004

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ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

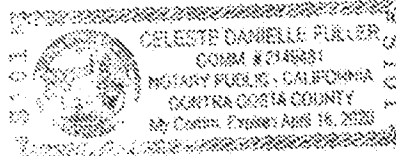
State of California
County of Santa Clara

On March 22, 2017 before me, Celeste Danielle Fuller, Notary Public
(insert name and title of the officer)

personally appeared Kenneth Yi
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature Celeste Danielle Fuller (Seal)

RECORDED: 03/24/2017

PATENT
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RECORDED: 05/20/2021

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REEL: 056322 FRAME: 0493