PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT6830810

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
UNITED MICROELECTRONICS CORPORATION	06/18/2021

RECEIVING PARTY DATA

Name:	MARLIN SEMICONDUCTOR LIMITED
Street Address:	BRACKEN ROAD, SANDYFORD
Internal Address:	FIRST FLOOR, BLACKTHORN EXCHANGE
City:	DUBLIN
State/Country:	IRELAND
Postal Code:	D18 P3Y9

PROPERTY NUMBERS Total: 483

Property Type	Number
Patent Number:	6900678
Patent Number:	6521547
Patent Number:	6521910
Patent Number:	6570246
Patent Number:	7088623
Patent Number:	7718345
Patent Number:	7384728
Patent Number:	7157211
Patent Number:	7125645
Patent Number:	6638822
Patent Number:	6696222
Patent Number:	7264676
Patent Number:	7465640
Patent Number:	7335933
Patent Number:	6991991
Patent Number:	7638400
Patent Number:	7157343
Patent Number:	7126189
Patent Number:	7199742

TSMC EXHIBIT 1150
TSMC v. Marlin Semiconductor Ltd.
IPR2025-00864

Property Type	Number
Patent Number:	7126322
Patent Number:	7595234
Patent Number:	7214988
Patent Number:	8592322
Patent Number:	8461649
Patent Number:	8236702
Patent Number:	8164141
Patent Number:	7825034
Patent Number:	7332392
Patent Number:	7518403
Patent Number:	7388403
Patent Number:	8062487
Patent Number:	7391250
Patent Number:	8288262
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Patent Number:	8519515
Patent Number:	8314501
Patent Number:	8368442
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Patent Number:	8767485
Patent Number:	8724404
Patent Number:	8873295
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Patent Number:	8853015
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Patent Number:	8916471
Patent Number:	9337193
Patent Number:	9006805
Patent Number:	9841319
Patent Number:	9698122
Patent Number:	9478499
Patent Number:	9502366
Patent Number:	9571079
Patent Number:	9812327
Patent Number:	10373837
Patent Number:	9666680
Patent Number:	10134919

Property Type	Number
Patent Number:	10020404
Patent Number:	6979654
Patent Number:	6583067
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Patent Number:	7645698
Patent Number:	8587128
Patent Number:	6849541
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Patent Number:	7180044
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Patent Number:	7474551
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Patent Number:	7541634
Patent Number:	7250670
Patent Number:	7288828
Patent Number:	7872292
Patent Number:	7517746
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Patent Number:	8043919
Patent Number:	7872852
Patent Number:	8027144
Patent Number:	8477475
Patent Number:	7817265
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Patent Number:	7782113
Patent Number:	8114734
Patent Number:	8324048
Patent Number:	8324712
Patent Number:	9064691
Patent Number:	9177789
Patent Number:	8588020
Patent Number:	9004755

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Patent Number:	8592889
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Patent Number:	9219151
Patent Number:	9412734
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Patent Number:	9666471
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Patent Number:	10134836
Patent Number:	10566418
Patent Number:	10102475
Patent Number:	10366756
Patent Number:	7772064
Patent Number:	8058733
Patent Number:	8110342
Patent Number:	9857508
Patent Number:	9507264
Patent Number:	10446448

Property Type	Number
Patent Number:	10153210
Patent Number:	10229995
Patent Number:	10438893
Patent Number:	10504903
Patent Number:	10461200
Patent Number:	6649512
Patent Number:	10629734
Application Number:	16836872

CORRESPONDENCE DATA

Fax Number:

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: 6138802091
Email: docketing@longitudelicensing.ie
Correspondent Name: LONGITUDE LICENSING LTD
Address Line 1: BRACKEN ROAD, SANDYFORD
Address Line 2: FIRST FLOOR, BLACKTHORN EXCHANGE
Address Line 4: DUBLIN, IRELAND D18 P3Y9

ATTORNEY DOCKET NUMBER:	UMC TO MARLIN
NAME OF SUBMITTER:	RONAN O'BYRNE
SIGNATURE:	/Ronan O'Byrne/
DATE SIGNED:	07/26/2021

Total Attachments: 22
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FORM OF ASSIGNMENT

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, United Microelectronics Corporation, a Taiwanese corporation, ("**Assignor**"), having a place of business at No. 3, Li-Hsin 2nd Road, Hsinchu Science Park, Hsinchu, Taiwan, R.O.C., hereby irrevocably assigns, sells, transfers, and conveys to Marlin Semiconductor Limited., a company organized and existing under the laws of Ireland ("**Assignee**"), having a place of business at 1st Floor, Blackthorn Exchange, Bracken Road, Sandyford, Dublin D18 P3Y9, Ireland, all rights, title and interest that exist as of June 18, 2021 and may exist in the future in and to any of the following (collectively, the "***Patent Rights***"):

(a) the patent applications and patents listed in the attached Schedule A (collectively, the "***Assigned Assets***"), including all rights of priority;

(b) all patents, divisionals, continuations, continuations-in-part, continued prosecution applications, provisional applications, requests for continuing examinations, reissues, reexaminations and extensions thereof and all pending applications therefor, and any other patent or patent application related to such patent or patent application by claim of direct or indirect priority or terminal disclaimer, and all pending applications therefor, and any patents resulting therefrom for all Assigned Assets in (a) above;

(c) all foreign patents, foreign patent applications, and foreign counterparts relating to any item in any of the foregoing categories by claim of direct or indirect priority or terminal disclaimer (a) and (b), including, without limitation, certificates of invention, utility models, industrial design protection, design patent protection, and other governmental grants or issuances;

(d) all items in any of the foregoing categories (a) through (c), whether or not claims in any of the foregoing have been rejected, withdrawn, cancelled, or the like;

(e) all rights to apply in any or all countries of the world for patents, certificates of invention, utility models, industrial design protections, design patent protections, or other governmental grants or issuances of any type related to any item in any of the foregoing categories (a) through (d), including, without limitation, under the Paris Convention for the Protection of Industrial Property, the International Patent Cooperation Treaty, or any other convention, treaty, agreement, or understanding;

(f) all claims and causes of action (whether known or unknown or whether currently pending, filed, or otherwise) for damages, injunctive relief, and any other remedies of any kind, accounting and information, and other secondary claims arising out of the past, current, and future infringement of the Assigned Assets and/or any item in any of the foregoing categories (b) through (e) by third parties which have accrued with Assignor or to which Assignor otherwise holds title; and

(g) all rights to collect royalties and other payments under or on account of any of the Assigned Assets and/or any item in any of the foregoing categories (b) through (f).

Assignor also hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all patents, certificates of invention, utility models or other governmental grants or issuances which may be granted upon any of the Assigned Assets in the name of Assignee, as the assignee to the entire interest therein.

Assignor will, at the reasonable request of Assignee, do all things necessary, proper, or advisable, including without limitation, the execution, acknowledgment, and recordation of specific assignments, oaths, declarations, and other documents on a country-by-country basis, to assist Assignee in obtaining, perfecting, sustaining, and/or enforcing the Patent Rights.

The terms and conditions of this assignment will inure to the benefit of Assignee, its successors, assigns, and other legal representatives and will be binding upon Assignor, its successors, assigns, and other legal representatives.

IN WITNESS WHEREOF, Assignor has caused its duly authorized representative to execute this assignment.

United Microelectronics Corporation

By: Brian H.H. Shih
Name: Brian H.H. Shih
Title: Sr. Director of Intellectual Property
Date: June 18, 2021

ATTESTATION OF SIGNATURE PURSUANT TO 28 U.S.C. § 1746

The undersigned witnessed the signature of Brian H.H. Shih to the above ASSIGNMENT on behalf of United Microelectronics Corporation and makes the following statements:

1. I am over the age of 18 and competent to testify as to the facts in this Attestation if called upon to do so.

2. Brian H.H. Shih is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on June 18, 2021 to execute the above assignment document on behalf of United Microelectronics Corporation.

3. Brian H.H. Shih executed the above assignment on behalf of United Microelectronics Corporation.

I declare under penalty of perjury under the laws of the United States of America that the statements made above in this Attestation are true and correct.

EXECUTED on June 18, 2021

Signature: Yi-Chin Wu
Print Name: Yi-Chin Wu

Assignee hereby declares the acceptance of the assignment of Patent Rights.

ASSIGNEE:

Marlin Semiconductor Limited

By: _____
Name: Garrett Dempsey
Title: Director

SCHEDULE A

PATENTS

Index	Publication/Patent Number	Country	File Date	Publication/Issue Date	Application No.
1	US6900678	US	2001-08-16	2005-05-31	US09/682303
2	TW163758	TW	2001-08-10	2002-09-21	TW090119702
3	CN1212707C	CN	2002-08-01	2005-07-27	CN02127453.3
4	US6521547	US	2001-09-07	2003-02-18	US09/682479
5	TW161300	TW	2001-08-30	2002-07-21	TW090121523
6	CN1205654C	CN	2001-09-20	2005-06-08	CN1133185.2
7	US6521910	US	2001-11-02	2003-02-18	US09/682946
8	TW164135	TW	2001-11-01	2002-09-11	TW090127193
9	US6570246	US	2002-06-12	2003-05-27	US10/064110
10	TWI303470	TW	2002-06-13	2008-11-21	TW091112965
11	CN1228839C	CN	2003-04-03	2005-11-23	CN03109117.2
12	US7088623	US	2003-10-16	2006-08-08	US10/685496
13	CN100367504C	CN	2003-10-28	2008-02-06	CN200310104651.7
14	US7718345	US	2008-04-14	2010-05-18	US12/102029
15	US7384728	US	2006-08-20	2008-06-10	US11/465811
16	US7157211	US	2004-04-05	2007-01-02	US10/708983
17	US7125645	US	2002-04-10	2003-10-16	US10/063307
18	TWI292587	TW	2002-04-03	2008-01-11	TW091106789
19	CN1316564C	CN	2002-04-11	2007-05-16	CN02105820.2
20	US6638822	US	2002-03-06	2003-10-28	US10/092998
21	TW198613	TW	2002-02-27	2004-03-21	TW091103630
22	CN1180466C	CN	2002-12-25	2004-12-15	CN02159626.3
23	US6696222	US	2001-07-24	2004-02-24	US09/910876
24	TW164318	TW	2001-10-16	2002-10-11	TW090125567
25	US7264676	US	2003-09-11	2007-09-04	US10/659258
26	TWI236055	TW	2003-09-05	2005-07-11	TW092124604
27	US7465640	US	2005-05-04	2008-12-16	US11/122655
28	US7335933	US	2003-11-20	2008-02-26	US10/718896
29	TWI226128	TW	2003-11-13	2005-01-01	TW092131757
30	CN100356551C	CN	2003-11-21	2007-12-19	CN200310116427.X
31	US6991991	US	2003-11-12	2006-01-31	US10/705500
32	TWI258199	TW	2003-11-07	2006-07-11	TW092131271
33	US7638400	US	2006-12-11	2009-12-29	US11/608927
34	US7157343	US	2005-03-11	2007-01-02	US11/078543
35	US7126189	US	2004-04-07	2006-10-24	US10/820601
36	TWI241023	TW	2004-03-18	2005-10-01	TW093107219
37	US7199742	US	2005-07-29	2007-04-03	US11/161302
38	US7126322	US	2005-10-19	2006-10-24	US11/163437
39	US7595234	US	2006-09-15	2009-09-29	US11/532100
40	US7214988	US	2005-09-20	2007-05-08	US11/162693
41	TWI295110	TW	2005-09-23	2008-03-21	TW094133041

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42	CN100461453C	CN	2005-09-30	2009-02-11	CN200510108839.8
43	US8592322	US	2012-06-28	2013-11-26	US13/535370
44	US8461649	US	2011-09-16	2013-06-11	US13/234159
45	US8236702	US	2008-03-05	2012-08-07	US12/042340
46	US8164141	US	2010-09-17	2012-04-24	US12/884198
47	US7825034	US	2005-10-06	2010-11-02	US11/163149
48	TWI265597	TW	2005-10-07	2006-11-01	TW094135241
49	CN100468649C	CN	2005-10-21	2009-03-11	CN200510113870.0
50	US7332392	US	2006-04-11	2008-02-19	US11/279254
51	TWI297531	TW	2006-04-07	2008-06-01	TW095112422
52	CN100466231C	CN	2006-04-24	2009-03-04	CN200610077721.8
53	US7518403	US	2008-05-04	2009-04-14	US12/114814
54	US7388403	US	2007-05-21	2008-06-17	US11/751041
55	TWI335722	TW	2007-05-18	2011-01-01	TW096117840
56	CN101320969C	CN	2007-06-04	2010-04-14	CN200710108228.2
57	US8062487	US	2007-06-25	2011-11-22	US11/768192
58	US7391250	US	2007-09-02	2008-06-24	US11/849296
59	US8288262	US	2011-10-20	2012-10-16	US13/277384
60	US8076735	US	2009-10-02	2011-12-13	US12/572498
61	TWI441244	TW	2009-10-07	2014-06-11	TW098133994
62	US8519515	US	2011-04-13	2013-08-27	US13/085488
63	TWI518861	TW	2011-04-13	2016-01-21	TW100112791
64	CN102760710B	CN	2011-04-27	2016-02-10	CN201110105754.X
65	US8314501	US	2011-02-14	2012-11-20	US13/026419
66	US8368442	US	2011-08-15	2013-02-05	US13/209502
67	US8970197	US	2012-08-03	2015-03-03	US13/565799
68	TWI531140	TW	2012-08-03	2016-04-21	TW101128058
69	CN103592987B	CN	2012-08-14	2016-08-03	CN201210288545.8
70	US8804440	US	2014-03-26	2014-08-12	US14/225435
71	US8767485	US	2014-03-26	2014-07-01	US14/225432
72	US8724404	US	2012-10-15	2014-05-13	US13/652422
73	TWI517161	TW	2012-10-15	2016-01-11	TW101137993
74	US8873295	US	2012-11-27	2014-10-28	US13/685719
75	TWI525624	TW	2012-11-27	2016-03-11	TW101144317
76	US9117909	US	2014-08-28	2015-08-25	US14/470957
77	US8853015	US	2013-04-16	2014-10-07	US13/863393
78	US9305887	US	2013-06-05	2016-04-05	US13/911062
79	US8916471	US	2013-08-26	2014-12-23	US13/975382
80	US9337193	US	2015-03-04	2016-05-10	US14/637412
81	US9006805	US	2013-08-07	2015-04-14	US13/960816
82	TWI593111	TW	2013-08-06	2017-07-21	TW102128092
83	CN104347709B	CN	2013-08-09	2018-09-04	CN201310345075.9
84	US9841319	US	2013-11-19	2017-12-12	US14/083594
85	US9698122	US	2016-07-27	2017-07-04	US15/221011
86	US9478499	US	2014-09-08	2016-10-25	US14/479526

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87	US9502366	US	2015-01-29	2016-11-22	US14/609412
88	TWI649848	TW	2014-12-26	2019-02-01	TW103145829
89	US9571079	US	2015-11-11	2017-02-14	US14/938827
90	TWI606322	TW	2015-06-22	2017-11-21	TW104120037
91	US9812327	US	2015-09-23	2017-11-07	US14/863177
92	US10373837	US	2017-09-14	2019-08-06	US15/705014
93	CN106486529A	CN	2015-08-24	2017-03-08	CN201510521058.5
94	US9666680	US	2015-11-18	2017-05-30	US14/944224
95	US10134919	US	2018-05-16	2018-11-20	US15/980749
96	US10020404	US	2017-04-27	2018-07-10	US15/498491
97	US6979654	US	2001-07-03	2005-12-27	US09/681986
98	TW155920	TW	2001-06-21	2002-05-01	TW090115086
99	CN1178276C	CN	2002-07-02	2004-12-01	CN02140252.3
100	US6583067	US	2001-07-03	2003-06-24	US09/681987
101	TW158983	TW	2001-06-21	2002-06-21	TW090115085
102	CN1170308C	CN	2002-07-02	2004-10-06	CN02140253.1
103	US6890851	US	2003-05-29	2005-05-10	US10/449262
104	US7179732	US	2004-07-15	2007-02-20	US10/893632
105	US7199040	US	2004-05-10	2007-04-03	US10/841562
106	US7645698	US	2006-12-28	2010-01-12	US11/646387
107	US8587128	US	2012-02-16	2013-11-19	US13/397833
108	TWI314346	TW	2003-06-05	2009-09-01	TW092115217
109	CN1317745C	CN	2003-06-13	2007-05-23	CN03143027.9
110	US6849541	US	2003-12-19	2005-02-01	US10/707517
111	TWI236100	TW	2003-12-18	2005-07-11	TW092135940
112	US6878988	US	2004-06-02	2005-04-12	US10/709854
113	US7180044	US	2004-12-03	2007-02-20	US11/003515
114	US7358199	US	2005-06-09	2008-04-15	US11/160107
115	CN100377305C	CN	2005-06-29	2008-03-26	CN200510082103.8
116	US7321501	US	2005-06-09	2008-01-22	US11/160101
117	US7474551	US	2007-02-14	2009-01-06	US11/675071
118	TWI320183	TW	2005-06-10	2010-02-01	TW094119170
119	CN100466097C	CN	2005-06-23	2009-03-04	CN200510079534.9
120	US7407852	US	2005-08-16	2008-08-05	US11/161760
121	US7541634	US	2007-01-31	2009-06-02	US11/669167
122	TWI260733	TW	2005-08-22	2006-08-21	TW094128565
123	CN100514655C	CN	2005-09-09	2009-07-15	CN200510099162.6
124	US7250670	US	2005-09-27	2007-07-31	US11/162863
125	TWI279853	TW	2005-09-29	2007-04-21	TW094133948
126	CN100477175C	CN	2005-10-11	2009-04-08	CN200510113377.9
127	US7288828	US	2005-10-05	2007-10-30	US11/163124
128	TWI259539	TW	2005-10-12	2006-08-01	TW094135476
129	US7872292	US	2006-02-21	2011-01-18	US11/358972
130	TWI270142	TW	2006-02-24	2007-01-01	TW095106255
131	US7517746	US	2007-04-24	2009-04-14	US11/739111

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132	US7745889	US	2009-03-02	2010-06-29	US12/395715
133	TWI340412	TW	2007-04-24	2011-04-11	TW096114409
134	CN100580892C	CN	2007-04-29	2010-01-13	CN200710102132.5
135	US7351634	US	2006-05-25	2008-04-01	US11/420222
136	US8415732	US	2007-10-30	2013-04-09	US11/927700
137	US8030778	US	2007-07-06	2011-10-04	US11/774388
138	TWI357129	TW	2007-07-10	2012-01-21	TW096125014
139	US8043919	US	2007-11-12	2011-10-25	US11/938506
140	TWI350568	TW	2007-11-13	2011-10-11	TW096142842
141	US7872852	US	2008-02-12	2011-01-18	US12/029472
142	TWI398886	TW	2008-02-05	2013-06-11	TW097104483
143	US8027144	US	2009-04-28	2011-09-27	US12/431137
144	US8477475	US	2011-12-01	2011-12-01	US13/198286
145	TWI484643	TW	2009-04-28	2015-05-11	TW098114056
146	US7817265	US	2008-09-25	2010-10-19	US12/237404
147	TWI412068	TW	2008-09-25	2013-10-11	TW097136835
148	CN101719477B	CN	2008-10-09	2013-04-24	CN200810166502.6
149	US7888195	US	2008-08-26	2011-02-15	US12/198128
150	TWI370519	TW	2008-08-26	2012-08-11	TW097132536
151	US7782113	US	2008-11-24	2010-08-24	US12/276424
152	TWI468923	TW	2008-11-25	2015-01-11	TW097145439
153	CN101753128B	CN	2008-12-08	2012-11-14	CN200810178010.9
154	US8114734	US	2008-10-21	2012-02-14	US12/255652
155	US8324048	US	2012-01-01	2012-12-04	US13/342109
156	US8324712	US	2012-01-01	2012-12-04	US13/342106
157	TWI525842	TW	2008-10-22	2016-03-11	TW097140405
158	US9064691	US	2010-08-13	2015-06-23	US12/855952
159	US9177789	US	2015-05-15	2015-11-03	US14/712925
160	US8588020	US	2011-11-16	2013-11-19	US13/297362
161	TWI512753	TW	2011-11-16	2015-12-11	TW100141929
162	CN103137174B	CN	2011-12-01	2016-12-14	CN201110393475.8
163	US9004755	US	2012-07-23	2015-04-14	US13/555190
164	TWI526680	TW	2012-07-23	2016-03-21	TW101126493
165	US8592889	US	2012-05-21	2013-11-26	US13/476084
166	TWI529864	TW	2012-05-21	2016-04-11	TW101118048
167	US9064719	US	2014-07-04	2015-06-23	US14/324090
168	CN105226044B	CN	2014-05-29	2018-12-18	CN201410235335.1
169	US9219151	US	2014-09-04	2015-12-22	US14/477214
170	US9412734	US	2015-01-05	2016-08-09	US14/588991
171	CN105742251B	CN	2014-12-09	2019-10-18	CN201410748125.2
172	US9851780	US	2015-08-19	2017-12-26	US14/829644
173	TWI667570	TW	2015-07-15	2019-08-01	TW104122845
174	US9391177	US	2015-08-13	2016-07-12	US14/825174
175	US9530511	US	2015-12-15	2016-12-27	US14/969584
176	US9959185	US	2016-04-28	2018-05-01	US15/140492

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177	US9691907	US	2016-08-09	2017-06-27	US15/231800
178	TWI677077	TW	2016-07-06	2019-11-11	TW105121399
179	US10020049	US	2017-01-24	2018-07-10	US15/413436
180	TWI698871	TW	2017-01-03	2018-07-16	TW106100021
181	US10002864	US	2016-11-30	2018-06-19	US15/365906
182	US10529707	US	2018-05-18	2020-01-07	US15/983096
183	US10026745	US	2017-01-13	2018-07-17	US15/405324
184	US10332875	US	2017-05-09	2019-06-25	US15/591031
185	US11018132	US	2019-04-10	2019-08-01	US16/380953
186	TWI721148	TW	2017-04-06	2021-03-11	TW106111597
187	US10177156	US	2017-04-19	2019-01-08	US15/491939
188	US10347645	US	2018-12-02	2019-07-09	US16/207171
189	TWI708329	TW	2017-03-20	2018-10-01	TW106109135
190	US10095251	US	2017-05-26	2018-10-09	US15/607266
191	TWI667563	TW	2017-04-10	2019-08-01	TW106111858
192	US10439066	US	2017-09-29	2019-10-08	US15/721177
193	US10978589	US	2019-08-01	2019-11-21	US16/529523
194	CN109427773A	CN	2017-08-30	2019-03-05	CN201710761591.8
195	US10177763	US	2018-01-22	2019-01-08	US15/877368
196	TWI716657	TW	2017-12-20	2019-07-16	TW106144832
197	US6946343	US	2003-04-03	2005-09-20	US10/249374
198	TWI239634	TW	2003-05-02	2005-09-11	TW092112080
199	US7250339	US	2007-02-06	2007-07-31	US11/671971
200	US7405123	US	2004-11-02	2008-07-29	US10/980075
201	US7405442	US	2006-11-22	2008-07-29	US11/562918
202	US7408221	US	2007-09-20	2008-08-05	US11/858846
203	TWI325633	TW	2004-09-16	2010-06-01	TW093127968
204	US7170144	US	2005-02-25	2007-01-30	US10/906583
205	US7786546	US	2006-12-08	2010-08-31	US11/608249
206	TWI252576	TW	2005-03-02	2006-04-01	TW094106264
207	CN100373618C	CN	2005-03-17	2008-03-05	CN200510055134.4
208	US7432167	US	2007-01-10	2008-10-07	US11/621576
209	TWI326472	TW	2007-01-10	2010-06-21	TW096100931
210	CN100585816C	CN	2007-01-26	2010-01-27	CN200710008142.2
211	US8227889	US	2008-12-08	2012-07-24	US12/330455
212	TWI460838	TW	2008-12-08	2014-11-11	TW097147618
213	US9263257	US	2014-06-24	2016-02-16	US14/312707
214	US9461150	US	2015-12-28	2016-10-04	US14/979594
215	CN105280496B	CN	2014-06-05	2019-06-11	CN201410247402.1
216	US9269645	US	2014-10-23	2016-02-23	US14/521893
217	CN105428327B	CN	2014-08-28	2018-03-23	CN201410430514.0
218	US6894364	US	2003-02-24	2005-05-17	US10/248833
219	TWI313066	TW	2003-02-11	2009-08-01	TW092102732
220	US6887748	US	2004-02-10	2005-05-03	US10/708108
221	US7545023	US	2005-03-22	2009-06-09	US10/907125

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222	US7382038	US	2006-03-22	2008-06-03	US11/277149
223	CN100466252C	CN	2006-03-30	2009-03-04	CN200610071586.6
224	TWI286354	TW	2006-03-22	2007-09-01	TW095109914
225	US8288802	US	2006-04-19	2012-10-16	US11/379226
226	US8415723	US	2012-06-07	2013-04-09	US13/490482
227	US7615399	US	2007-05-27	2009-11-10	US11/754307
228	US7755122	US	2005-08-29	2010-07-13	US11/162118
229	CN100524786C	CN	2005-08-18	2009-08-05	CN200510092414.2
230	US8129278	US	2005-11-14	2012-03-06	US11/164204
231	US8759218	US	2011-12-28	2014-06-24	US13/339350
232	US7560350	US	2006-04-17	2009-07-14	US11/308643
233	US7485517	US	2006-04-07	2009-02-03	US11/308560
234	US7928512	US	2007-07-12	2011-04-19	US11/776562
235	TWI297520	TW	2006-04-13	2008-06-01	TW095113138
236	CN101060099B	CN	2006-04-21	2010-05-12	CN200610074659.7
237	US7524716	US	2007-05-30	2009-04-28	US11/755669
238	US7288822	US	2006-04-07	2007-10-30	US11/399827
239	TWI295852	TW	2006-04-11	2008-04-11	TW095112821
240	CN100466255C	CN	2006-04-18	2009-03-04	CN200610075283.1
241	US7927954	US	2007-02-26	2011-04-19	US11/678627
242	TWI328842	TW	2007-02-26	2010-08-11	TW096106558
243	US8493661	US	2012-04-27	2013-07-23	US13/457680
244	US8228606	US	2008-01-08	2012-07-24	US11/970936
245	US8379312	US	2012-04-27	2013-02-19	US13/457776
246	CN101493535B	CN	2008-01-23	2011-12-07	CN200810008550.2
247	TWI358126	TW	2008-01-11	2012-02-11	TW097101188
248	US7998818	US	2010-08-25	2011-08-16	US12/862799
249	US7804141	US	2008-02-19	2010-09-28	US12/033017
250	CN101515581B	CN	2008-02-22	2011-04-20	CN200810081467.8
251	US8193050	US	2010-10-18	2012-06-05	US12/907016
252	US7838946	US	2008-03-28	2010-11-23	US12/058208
253	US8816439	US	2010-10-19	2014-08-26	US12/907036
254	TWI364799	TW	2008-04-03	2012-05-21	TW097112278
255	US8345895	US	2008-07-25	2013-01-01	US12/179871
256	US8553911	US	2012-11-01	2013-10-08	US13/665935
257	TWI444055	TW	2008-08-07	2014-07-01	TW097130104
258	US8525389	US	2010-11-10	2013-09-03	US12/943269
259	US7851975	US	2008-09-02	2010-12-14	US12/202563
260	US8096048	US	2010-08-03	2012-01-17	US12/849168
261	US9150407	US	2013-07-18	2015-10-06	US13/945892
262	TWI472472	TW	2008-09-08	2015-02-11	TW097134458
263	US8384214	US	2009-10-13	2013-02-26	US12/577734
264	TWI474463	TW	2009-10-13	2015-02-21	TW098134630
265	US8405155	US	2010-09-23	2013-03-26	US12/888430
266	TWI497718	TW	2010-09-23	2015-08-21	TW099132181

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267	CN102437184B	CN	2010-09-29	2015-07-08	CN201010299252.0
268	US8278166	US	2010-07-16	2012-10-02	US12/837519
269	US8765561	US	2011-06-06	2014-07-01	US13/154396
270	TWI505333	TW	2011-06-07	2015-10-21	TW100119762
271	US8704294	US	2011-06-13	2014-04-22	US13/158479
272	US8999830	US	2013-12-19	2015-04-07	US14/135520
273	US8952451	US	2013-12-20	2015-02-10	US14/135588
274	CN102856255B	CN	2011-06-27	2016-05-25	CN201110174511.1
275	TWI515800	TW	2011-06-13	2016-01-01	TW100120547
276	US8552503	US	2010-11-30	2013-10-08	US12/957304
277	US9312258	US	2013-07-08	2016-04-12	US13/936214
278	TWI512946	TW	2010-11-30	2015-12-11	TW099141629
279	CN102543990B	CN	2010-12-15	2015-09-09	CN201010588896.1
280	US9130032	US	2014-08-21	2015-09-08	US14/465579
281	US8841733	US	2011-05-17	2014-09-23	US13/109599
282	TWI521608	TW	2011-05-25	2016-02-11	TW100118287
283	US9105590	US	2011-08-10	2015-08-11	US13/206523
284	CN102931184B	CN	2011-08-12	2016-09-14	CN201110230893.5
285	TWI532120	TW	2011-08-08	2016-05-01	TW100128208
286	US8872286	US	2011-08-22	2014-10-28	US13/214260
287	US9281374	US	2014-09-19	2016-03-08	US14/490679
288	TWI536543	TW	2011-08-22	2016-06-01	TW100130024
289	US8647953	US	2011-11-17	2014-02-11	US13/299044
290	TWI521565	TW	2011-11-25	2016-02-11	TW100143379
291	US9269678	US	2012-10-25	2016-02-23	US13/659924
292	US9691703	US	2016-01-10	2017-06-27	US14/992006
293	US9013003	US	2012-12-27	2015-04-21	US13/728948
294	US9330980	US	2015-03-16	2016-05-03	US14/659576
295	TWI567936	TW	2012-12-25	2017-01-21	TW101149751
296	US9048246	US	2013-06-18	2015-06-02	US13/921174
297	US9406710	US	2013-11-11	2016-08-02	US14/076358
298	US9666473	US	2016-05-20	2017-05-30	US15/160278
299	US9306032	US	2013-10-25	2016-04-05	US14/062909
300	US9236289	US	2014-08-12	2016-01-12	US14/457119
301	US9478457	US	2015-12-02	2016-10-25	US14/957585
302	US9281238	US	2014-07-11	2016-03-08	US14/328717
303	US9564507	US	2016-01-22	2017-02-07	US15/003813
304	US9786510	US	2014-10-13	2017-10-10	US14/512475
305	US10418251	US	2017-08-29	2019-09-17	US15/688885
306	CN105470295B	CN	2014-09-09	2020-06-30	CN201410454915.X
307	US10930517	US	2019-08-06	2019-11-28	US16/532477
308	US9123659	US	2014-10-16	2015-09-01	US14/516554
309	TWI540650	TW	2014-08-06	2016-07-01	TW103126975
310	US9263392	US	2014-10-30	2016-02-16	US14/529129
311	CN105489490B	CN	2014-09-17	2020-03-17	CN201410474214.2

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312	US9508799	US	2014-08-26	2016-11-29	US14/469566
313	US9793296	US	2016-10-17	2017-10-17	US15/296027
314	US9412743	US	2014-10-29	2016-08-09	US14/526552
315	US9721840	US	2016-06-28	2017-08-01	US15/194577
316	CN105448918B	CN	2014-09-30	2020-05-12	CN201410524514.7
317	US9318389	US	2014-10-22	2016-04-19	US14/520342
318	US9754841	US	2016-03-03	2017-09-05	US15/060572
319	CN105514105B	CN	2014-09-26	2019-08-06	CN201410500432.9
320	US9443958	US	2014-10-06	2016-09-13	US14/506700
321	US9825147	US	2016-08-09	2017-11-21	US15/231792
322	US9490141	US	2014-12-30	2016-11-08	US14/585210
323	CN105702573B	CN	2014-11-27	2019-03-26	CN201410697179.0
324	US9614061	US	2016-06-22	2017-04-04	US15/188998
325	US9385220	US	2015-01-05	2016-07-05	US14/588989
326	US9608090	US	2016-06-01	2017-03-28	US15/170904
327	TWI642110	TW	2014-12-03	2018-11-21	TW103142048
328	US9666715	US	2015-01-19	2017-05-30	US14/599556
329	TWI641135	TW	2014-12-12	2018-11-11	TW103143557
330	US9406772	US	2015-01-30	2016-08-02	US14/609446
331	US9530779	US	2015-03-02	2016-12-27	US14/634903
332	US9640662	US	2016-11-14	2017-05-02	US15/350113
333	TWI629790	TW	2015-01-26	2018-07-11	TW104102601
334	US9548268	US	2015-06-04	2017-01-17	US14/731394
335	TWI677063	TW	2015-04-28	2019-11-11	TW104113556
336	US9666471	US	2015-05-14	2017-05-30	US14/711777
337	US10134858	US	2017-04-21	2018-11-20	US15/493154
338	TWI652824	TW	2015-04-13	2019-03-01	TW104111803
339	US9748349	US	2015-05-28	2017-08-29	US14/723467
340	CN106206714B	CN	2015-04-30	2020-06-30	CN201510216099.3
341	US9875928	US	2015-04-09	2018-01-23	US14/682124
342	CN106033741B	CN	2015-03-20	2016-10-19	CN201510122601.4
343	US9397008	US	2015-04-21	2016-07-19	US14/691586
344	US9496176	US	2016-06-07	2016-11-15	US15/176142
345	TWI641134	TW	2015-05-20	2018-11-11	TW104115984
346	US9431239	US	2015-07-26	2016-08-30	US14/809278
347	CN106328507B	CN	2015-06-17	2017-01-11	CN201510336284.6
348	US9583394	US	2016-10-14	2017-02-28	US15/293292
349	US9502410	US	2015-07-06	2016-11-22	US14/792591
350	CN106252391B	CN	2015-06-09	2021-02-19	CN201510311627.3
351	US9859148	US	2017-05-31	2018-01-02	US15/610574
352	US9704737	US	2015-08-03	2017-07-11	US14/816081
353	TWI647764	TW	2015-07-01	2019-01-11	TW104121285
354	US9543211	US	2015-09-25	2017-01-10	US14/864881
355	TWI656566	TW	2015-08-28	2019-04-11	TW104128275
356	US9496361	US	2015-09-29	2016-11-15	US14/869987

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357	TWI653673	TW	2015-08-27	2019-03-11	TW104128060
358	US9466727	US	2015-10-29	2016-10-11	US14/925984
359	US9640484	US	2015-10-13	2017-05-02	US14/882424
360	US9793382	US	2017-03-28	2017-10-17	US15/470905
361	CN106548940A	CN	2015-09-16	2017-03-29	CN201510589504.6
362	US9583641	US	2015-12-07	2017-02-28	US14/960453
363	CN106684085B	CN	2015-11-11	2017-05-17	CN201510764951.0
364	US9853123	US	2015-10-28	2017-12-26	US14/924723
365	US9443757	US	2015-11-12	2016-09-13	US14/940120
366	US9530871	US	2016-08-02	2016-12-27	US15/225836
367	TWI668866	TW	2015-10-07	2019-08-11	TW104132947
368	US9780218	US	2016-05-02	2017-10-03	US15/144204
369	US10158022	US	2017-08-20	2018-12-18	US15/681417
370	CN107342322A	CN	2016-08-09	2017-11-10	CN201610645485.9
371	TWI696286	TW	2016-08-02	2017-11-16	TW105124385
372	US9691704	US	2016-06-07	2017-06-27	US15/175299
373	CN107305881B	CN	2016-04-25	2020-02-07	CN201610260924.4
374	US9779989	US	2016-05-30	2017-10-03	US15/168095
375	US9899498	US	2017-05-09	2018-02-20	US15/590510
376	US9680022	US	2016-07-12	2017-06-13	US15/207916
377	US9691733	US	2016-07-28	2017-06-27	US15/221609
378	US9685385	US	2016-08-03	2017-06-20	US15/226929
379	TWI688042	TW	2016-07-05	2018-01-16	TW105121146
380	US9793174	US	2016-09-20	2017-10-17	US15/270000
381	TWI694614	TW	2016-08-05	2018-02-16	TW105124924
382	US9748147	US	2016-07-20	2017-08-29	US15/214467
383	CN107527815A	CN	2016-06-21	2017-12-29	CN201610452293.6
384	US9773682	US	2016-07-05	2017-09-26	US15/201628
385	US10049887	US	2017-08-16	2018-08-14	US15/678117
386	US10103034	US	2017-08-16	2018-10-16	US15/678134
387	US9972570	US	2016-08-10	2018-05-15	US15/232820
388	US10553534	US	2018-04-10	2020-02-04	US15/949084
389	CN107622992B	CN	2016-07-14	2021-04-27	CN201610555077.4
390	US9972623	US	2016-12-12	2018-05-15	US15/375177
391	US10340272	US	2018-04-08	2019-07-02	US15/947862
392	TWI712084	TW	2016-11-17	2020-12-01	TW105137639
393	US9837282	US	2017-08-03	2017-12-05	US15/667641
394	US9761460	US	2016-12-01	2017-09-12	US15/365967
395	US10069009	US	2018-01-04	2018-09-04	US15/861700
396	US9899522	US	2017-01-08	2018-02-20	US15/401092
397	TWI722073	TW	2016-12-13	2021-03-21	TW105141215
398	US9853021	US	2017-06-06	2017-12-26	US15/614624
399	TWI724164	TW	2017-05-05	2021-04-11	TW106114874
400	US10008578	US	2017-07-05	2018-06-26	US15/642324
401	US10211311	US	2018-05-21	2019-02-19	US15/984426

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402	TWI716601	TW	2017-06-06	2021-01-21	TW106118681
403	US10043718	US	2017-08-09	2018-08-07	US15/672325
404	CN109273360A	CN	2017-07-17	2019-01-25	CN201710579227.X
405	US10032672	US	2017-08-02	2018-07-24	US15/666583
406	US10522551	US	2018-01-30	2019-12-31	US15/884063
407	CN109994475A	CN	2018-01-03	2019-07-09	CN201810005924.9
408	US6864124	US	2002-06-05	2005-03-08	US10/064052
409	US7541676	US	2002-06-05	2005-05-26	US10/904081
410	US7301216	US	2002-06-05	2007-11-27	US10/711790
411	TW183477	TW	2002-06-04	2003-08-01	TW091112022
412	CN1225780C	CN	2002-06-05	2005-11-02	CN02158907.0
413	US6759731	US	2002-06-05	2004-07-06	US10/064051
414	US7297991	US	2002-06-05	2007-11-20	US10/709568
415	US6989557	US	2002-06-05	2006-01-24	US10/709569
416	TW183476	TW	2002-06-04	2003-08-01	TW091112021
417	CN1225796C	CN	2002-06-05	2005-11-02	CN02159064.8
418	US7167072	US	2004-03-25	2007-01-23	US10/810435
419	CN100336169C	CN	2004-02-16	2007-09-05	CN200410005041.6
420	TWI325628	TW	2004-02-05	2010-06-01	TW093102567
421	US6797997	US	2003-07-01	2004-09-28	US10/609478
422	TWI314321	TW	2002-07-03	2009-09-01	TW092117240
423	US7235833	US	2004-05-04	2007-06-26	US10/839524
424	US7608473	US	2005-04-05	2009-10-27	US11/099058
425	US7598551	US	2008-06-04	2009-10-06	US12/132631
426	US7485523	US	2005-12-12	2009-02-03	US11/164949
427	CN100524821C	CN	2005-12-13	2009-08-05	CN200510131717.0
428	TWI263334	TW	2005-12-12	2006-10-01	TW094143862
429	US7288836	US	2005-08-29	2007-10-30	US11/162117
430	US7288461	US	2007-01-05	2007-10-30	US11/620057
431	TWI299441	TW	2005-09-07	2008-08-01	TW094130644
432	US7547584	US	2006-11-16	2009-06-16	US11/560831
433	US7176051	US	2005-05-27	2007-02-13	US10/908815
434	US7157346	US	2005-07-01	2007-01-02	US11/160630
435	US7344963	US	2006-04-20	2008-03-18	US11/379380
436	CN100428443C	CN	2005-08-05	2008-10-22	CN200510089736.1
437	TWI264790	TW	2005-07-26	2006-10-21	TW094125292
438	US7410875	US	2006-04-06	2008-08-12	US11/400077
439	US7453120	US	2007-07-13	2008-11-18	US11/777973
440	TWI288444	TW	2006-04-11	2007-10-11	TW095112812
441	US7700440	US	2008-03-10	2010-04-20	US12/045683
442	US7868394	US	2006-07-28	2011-01-11	US11/460631
443	US7367113	US	2006-04-06	2008-05-06	US11/278952
444	US7321285	US	2007-04-17	2008-01-22	US11/736565
445	CN100454516C	CN	2006-04-17	2009-01-21	CN200610074355.0
446	TWI299215	TW	2006-04-04	2008-07-21	TW095111972

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447	US7667566	US	2008-08-22	2010-02-23	US12/196294
448	US7498918	US	2006-04-04	2009-03-03	US11/278550
449	CN100543989C	CN	2006-04-11	2009-09-23	CN200610075379.8
450	TWI305952	TW	2006-04-04	2009-02-01	TW095111974
451	US7939867	US	2008-02-27	2011-05-10	US12/038360
452	US8268662	US	2011-02-14	2012-09-18	US13/026302
453	CN101533802B	CN	2008-03-12	2011-02-09	CN200810083767.X
454	TWI370543	TW	2008-03-04	2012-08-11	TW097107503
455	US8716092	US	2011-12-21	2014-05-06	US13/332370
456	US8106466	US	2008-08-10	2012-01-31	US12/189195
457	TWI480956	TW	2008-08-08	2015-04-11	TW097130339
458	US8207596	US	2010-09-15	2012-06-26	US12/883152
459	US7816226	US	2008-05-15	2010-10-19	US12/121768
460	CN101587862B	CN	2008-05-23	2012-11-21	CN200810109131.8
461	TWI384531	TW	2008-05-14	2013-02-01	TW097117717
462	US7898081	US	2008-07-03	2011-03-01	US12/168057
463	TWI352685	TW	2008-07-08	2011-11-21	TW097125694
464	US8035191	US	2008-12-02	2011-10-11	US12/326106
465	CN101752344B	CN	2008-12-08	2012-11-21	CN200810178896.7
466	TWI453898	TW	2008-12-02	2014-09-21	TW097146763
467	US9048254	US	2009-12-02	2015-06-02	US12/629064
468	US9397189	US	2015-04-28	2016-07-19	US14/698828
469	TWI476838	TW	2009-11-30	2015-03-11	TW098140827
470	US9093473	US	2014-07-15	2015-07-28	US14/331229
471	US8816409	US	2010-07-15	2014-08-26	US12/837475
472	TWI552230	TW	2010-07-15	2016-10-01	TW099123277
473	US8765591	US	2013-09-11	2014-07-01	US14/023482
474	US8564063	US	2010-12-07	2013-10-22	US12/962624
475	TWI485782	TW	2010-12-07	2015-05-21	TW099142635
476	US8399359	US	2011-06-01	2013-03-19	US13/150145
477	US8828878	US	2011-08-26	2014-09-09	US13/218458
478	TWI550684	TW	2011-06-02	2016-09-21	TW100119360
479	US9105660	US	2011-08-17	2015-08-11	US13/211334
480	US9406805	US	2015-06-25	2016-08-02	US14/749648
481	CN102956466B	CN	2011-08-26	2016-11-16	CN201110249354.6
482	TWI523114	TW	2011-08-12	2016-02-21	TW100128866
483	US8592905	US	2011-06-26	2013-11-26	US13/169008
484	CN102867856B	CN	2011-07-05	2016-08-03	CN201110186435.6
485	TWI545760	TW	2011-06-24	2016-08-11	TW100122255
486	US8587058	US	2012-01-02	2013-11-19	US13/342189
487	CN103208520B	CN	2012-01-13	2017-06-23	CN201210064850.9
488	TWI521703	TW	2011-12-30	2016-02-11	TW100149951
489	US9000568	US	2011-09-26	2015-04-07	US13/244948
490	TWI565062	TW	2011-09-26	2017-01-01	TW100134563
491	US8981527	US	2011-08-23	2015-03-17	US13/215237

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492	US8525354	US	2011-10-13	2013-09-03	US13/272289
493	TWI523145	TW	2011-10-13	2016-02-21	TW100137173
494	US9312292	US	2011-10-26	2016-04-12	US13/282441
495	US8779526	US	2011-10-28	2014-07-15	US13/283603
496	US8940600	US	2014-06-03	2015-01-27	US14/294152
497	TWI521642	TW	2011-10-26	2016-02-11	TW100138827
498	US8748278	US	2013-10-31	2014-06-10	US14/069179
499	US8604548	US	2011-11-23	2013-12-10	US13/304086
500	US9184292	US	2014-07-24	2015-11-10	US14/340267
501	US8822284	US	2012-02-09	2014-09-02	US13/370231
502	US8709910	US	2012-04-30	2014-04-29	US13/459262
503	TWI523081	TW	2012-04-26	2016-02-21	TW101114896
504	US8866230	US	2012-04-26	2014-10-21	US13/456227
505	TWI527229	TW	2012-04-25	2016-03-21	TW101114671
506	US9559189	US	2012-04-16	2017-01-31	US13/447286
507	US9923095	US	2016-12-15	2018-03-20	US15/379486
508	TWI518794	TW	2012-04-13	2016-01-21	TW101113217
509	US8691652	US	2012-05-03	2014-04-08	US13/463809
510	TWI528461	TW	2012-05-03	2016-04-01	TW101115783
511	US8772904	US	2012-06-13	2014-07-08	US13/517573
512	US9034726	US	2014-05-23	2015-05-19	US14/285645
513	CN103515285B	CN	2012-06-28	2018-03-27	CN201210223143.X
514	TWI541936	TW	2012-06-14	2016-07-11	TW101121306
515	US8674441	US	2012-07-09	2014-03-18	US13/543895
516	TWI540724	TW	2012-07-09	2016-07-01	TW101124598
517	US8729631	US	2012-08-28	2014-05-20	US13/596481
518	US9159844	US	2013-04-22	2015-10-13	US13/867125
519	TWI581372	TW	2013-04-22	2017-05-01	TW102114230
520	US9070710	US	2013-06-07	2015-06-30	US13/912218
521	US8802521	US	2013-06-04	2014-08-12	US13/909101
522	CN104241089B	CN	2013-06-17	2018-03-13	CN201310238095.6
523	TWI588877	TW	2013-05-31	2017-06-21	TW102119376
524	US8994103	US	2013-07-10	2015-03-31	US13/938252
525	US9135389	US	2013-09-25	2015-09-15	US14/035952
526	US9678530	US	2015-08-06	2017-06-13	US14/819444
527	CN104573146B	CN	2013-10-16	2018-01-23	CN201310485341.8
528	US8883648	US	2013-09-09	2014-11-11	US14/020948
529	US9214421	US	2013-09-30	2015-12-15	US14/040892
530	CN104517928B	CN	2013-09-30	2018-08-24	CN201310460491.3
531	US9117886	US	2013-11-27	2015-08-25	US14/091349
532	US9343493	US	2015-02-03	2016-05-17	US14/612306
533	US9837493	US	2015-11-13	2017-12-05	US14/940867
534	US10177231	US	2017-10-30	2019-01-08	US15/797011
535	CN106571383B	CN	2015-10-08	2020-04-28	CN201510644705.1
536	US9716165	US	2016-06-21	2017-07-25	US15/188194

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537	US9929264	US	2017-06-20	2018-03-27	US15/628028
538	US10128366	US	2018-02-06	2018-11-13	US15/890303
539	TWI675476	TW	2016-07-22	2019-10-21	TW105123122
540	CN107527945A	CN	2016-07-27	2017-12-29	CN201610598784.1
541	US10062604	US	2017-07-07	2018-08-28	US15/643488
542	US9735047	US	2016-06-03	2017-08-15	US15/172161
543	CN107346739A	CN	2016-05-05	2017-11-14	CN201610292063.8
544	US6888181	US	2004-03-18	2005-05-03	US10/708694
545	US7123518	US	2004-11-22	2006-10-17	US10/996204
546	US7256626	US	2005-11-22	2007-08-14	US11/164405
547	TWI296463	TW	2005-11-30	2008-05-01	TW094142021
548	CN100508394C	CN	2005-12-09	2009-07-01	CN200510129465.8
549	US7919802	US	2007-05-14	2011-04-05	US11/748481
550	US7300840	US	2005-04-01	2007-11-27	US10/907448
551	US7531903	US	2005-09-02	2009-05-12	US11/218456
552	CN100508179C	CN	2005-09-16	2009-07-01	CN200510103866.6
553	US8114752	US	2010-02-06	2012-02-14	US12/701521
554	US8133792	US	2006-07-04	2012-03-13	US11/309164
555	TWI310989	TW	2006-07-07	2009-06-11	TW095124776
556	CN100490146C	CN	2006-07-20	2009-05-20	CN200610106165.2
557	US7274085	US	2006-03-09	2007-09-25	US11/308162
558	CN100454550C	CN	2006-03-24	2009-01-21	CN200610071463.2
559	TWI296445	TW	2006-03-09	2008-05-01	TW095108001
560	US7671355	US	2008-03-24	2010-03-02	US12/053623
561	US7994576	US	2009-06-22	2011-08-09	US12/488592
562	US8252657	US	2011-03-27	2012-08-28	US13/072766
563	TWI484592	TW	2009-06-18	2015-05-11	TW098120409
564	US8598712	US	2011-06-20	2013-12-03	US13/164757
565	US8966410	US	2013-10-29	2015-02-24	US14/065443
566	CN102867811B	CN	2011-07-05	2016-08-03	CN201110186432.2
567	TWI515589	TW	2011-06-21	2016-01-01	TW100121601
568	US8389358	US	2011-07-22	2013-03-05	US13/188595
569	TWI556411	TW	2011-07-22	2016-11-01	TW100126026
570	US8441072	US	2011-09-02	2013-05-14	US13/224344
571	US8779513	US	2013-04-24	2014-07-15	US13/869037
572	CN103000687B	CN	2011-09-14	2017-06-23	CN201110270877.9
573	TWI514576	TW	2011-08-31	2015-12-21	TW100131377
574	US8558346	US	2012-06-26	2013-10-15	US13/532786
575	US9041155	US	2013-09-09	2015-05-26	US14/020905
576	CN103545287B	CN	2012-07-10	2017-06-06	CN201210238365.9
577	TWI550813	TW	2012-06-26	2016-09-21	TW101122778
578	US8953401	US	2012-12-07	2015-02-10	US13/707611
579	US8765546	US	2013-06-24	2014-07-01	US13/925812
580	TWI612666	TW	2013-06-24	2018-01-21	TW102122404
581	US9577029	US	2014-11-21	2017-02-21	US14/549549

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582	CN105633173B	CN	2014-11-06	2020-04-07	CN201410621397.6
583	US9530783	US	2015-06-03	2016-12-27	US14/729086
584	US10217756	US	2018-04-11	2019-02-26	US15/951070
585	US9972633	US	2016-01-27	2017-07-27	US15/008185
586	US10396064	US	2018-10-25	2019-08-27	US16/171339
587	US10177132	US	2016-04-01	2019-01-08	US15/088122
588	TWI726869	TW	2016-02-24	2021-05-11	TW105105522
589	US10319679	US	2017-12-20	2019-06-11	US15/849526
590	US9887159	US	2017-01-10	2018-02-06	US15/402249
591	CN108231670 A	CN	2016-12-15	2018-06-29	CN201611159736.9
592	US10340381	US	2018-11-05	2019-07-02	US16/180033
593	US10153369	US	2017-06-19	2018-12-11	US15/627427
594	TWI729128	TW	2017-05-10	2021-06-01	TW106115398
595	US10249528	US	2017-08-20	2019-04-02	US15/681419
596	CN109309085A	CN	2017-07-28	2019-02-05	CN201710628490.3
597	US10211314	US	2017-10-22	2019-02-19	US15/790043
598	US10651290	US	2019-01-03	2019-05-09	US16/239470
599	US2020-0235224	US	2020-03-31	2020-07-23	US16/836872
600	CN109545784A	CN	2017-09-22	2019-03-29	CN201710865297.1
601	CN112436004A	CN	2017-09-22	2021-03-02	CN202011082872.9
602	US10256155	US	2018-02-12	2019-04-09	US15/893709
603	CN110061054A	CN	2018-01-18	2019-07-26	CN201810048244.5
604	US10332981	US	2018-04-02	2019-06-25	US15/943657
605	US10446667	US	2019-05-07	2019-10-15	US16/404749
606	CN110246803A	CN	2018-03-08	2019-09-17	CN201810188894.X
607	US7071046	US	2004-11-18	2006-07-04	US10/904620
608	TWI278111	TW	2004-11-19	2007-04-01	TW093135779
609	US7749833	US	2009-02-05	2010-07-06	US12/366625
610	US7342284	US	2006-02-16	2008-03-11	US11/307660
611	US7508053	US	2007-10-29	2009-03-24	US11/927642
612	CN100466207C	CN	2006-02-28	2009-03-04	CN200610051493.7
613	TWI266414	TW	2006-02-17	2006-11-11	TW095105529
614	US8084824	US	2008-09-11	2011-12-27	US12/208352
615	US8404535	US	2011-11-25	2013-03-26	US13/304409
616	TWI446456	TW	2008-09-11	2014-07-21	TW097134825
617	US9147747	US	2013-05-02	2015-09-29	US13/875293
618	US9331171	US	2015-08-21	2016-05-03	US14/831881
619	TWI584433	TW	2013-04-30	2017-05-21	TW102115458
620	US9508734	US	2016-03-22	2016-11-29	US15/077892
621	US9331184	US	2013-06-11	2016-05-03	US13/914641
622	CN104253129B	CN	2013-06-25	2019-11-05	CN201310254596.3
623	TWI600122	TW	2013-06-07	2017-09-21	TW102120393
624	US9263540	US	2015-09-13	2016-02-16	US14/852624
625	US9209273	US	2014-08-20	2015-12-08	US14/463677
626	CN105280486B	CN	2014-07-23	2016-01-27	CN201410351939.2

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627	US9583600	US	2015-10-08	2017-02-28	US14/877950
628	US9799769	US	2017-01-06	2017-10-24	US15/399755
629	US9799650	US	2016-02-14	2017-10-24	US15/043614
630	CN106952900A	CN	2016-01-07	2017-07-14	CN201610008298.X
631	US9953880	US	2017-07-27	2018-04-24	US15/660991
632	US10141228	US	2018-03-12	2018-11-27	US15/917859
633	CN109216191A	CN	2017-06-29	2019-01-15	CN201710516576.7
634	US10103265	US	2017-09-06	2018-10-16	US15/696187
635	CN109390338B	CN	2017-08-08	2019-02-26	CN201710669736.1
636	US7745847	US	2007-08-09	2010-06-29	US11/836772
637	US8076194	US	2010-05-18	2011-12-13	US12/781826
638	TWI341563	TW	2007-08-09	2011-05-01	TW096129401
639	US8900996	US	2012-06-21	2014-12-02	US13/528867
640	US9312208	US	2014-10-22	2016-04-12	US14/521456
641	TWI533405	TW	2012-06-21	2016-05-11	TW101122190
642	US7339391	US	2005-05-27	2008-03-04	US10/908828
643	TWI276818	TW	2005-05-27	2007-03-21	TW094117536
644	CN100465612C	CN	2005-06-10	2009-03-04	CN200510076355.X
645	US7321141	US	2006-04-18	2008-01-22	US11/379057
646	TWI281225	TW	2006-04-18	2007-05-11	TW095113835
647	CN100468699C	CN	2006-04-29	2009-03-11	CN200610077349.0
648	US7937168	US	2007-12-31	2011-05-03	US11/967278
649	TWI363963	TW	2007-12-27	2012-05-11	TW096150638
650	US10261504	US	2014-09-12	2019-04-16	US14/485280
651	US10935969	US	2019-02-25	2019-06-20	US16/285067
652	TWI641934	TW	2014-08-05	2018-11-21	TW103126779
653	US7335600	US	2004-12-15	2008-02-26	US11/014395
654	US6846748	US	2003-05-01	2005-01-25	US10/428508
655	US7397124	US	2005-06-16	2008-07-08	US11/155729
656	TWI227046	TW	2003-11-11	2005-01-21	TW092131480
657	US6913978	US	2004-02-25	2005-07-05	US10/788183
658	US7196019	US	2004-12-21	2007-03-27	US10/905185
659	CN100414675C	CN	2005-02-21	2008-08-27	CN200510008283.5
660	TWI250575	TW	2005-02-05	2006-03-01	TW094103922
661	US7285491	US	2006-10-27	2007-10-23	US11/553477
662	US7238611	US	2005-04-13	2007-07-03	US10/907710
663	US7064072	US	2005-04-21	2006-06-20	US10/907924
664	CN100468651C	CN	2005-05-09	2009-03-11	CN200510070458.5
665	TWI319897	TW	2005-04-19	2010-01-21	TW094112410
666	US7589385	US	2005-07-26	2009-09-15	US11/161170
667	CN100407424C	CN	2005-08-04	2008-07-30	CN200510091053.X
668	TWI262579	TW	2005-07-26	2006-09-21	TW094125300
669	US7527900	US	2005-11-10	2009-05-05	US11/164127
670	US7332447	US	2005-11-24	2008-02-19	US11/164481
671	US7566668	US	2007-12-24	2009-07-28	US11/963999

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672	US7645712	US	2008-12-30	2010-01-12	US12/345670
673	CN100437973C	CN	2005-12-09	2008-11-26	CN200510129472.8
674	TWI264066	TW	2005-11-30	2006-10-11	TW094142022
675	US7618856	US	2006-12-05	2009-11-17	US11/566688
676	CN100411146C	CN	2006-12-06	2008-08-13	CN200610168436.7
677	TWI353038	TW	2006-12-06	2011-11-21	TW095145471
678	US7396717	US	2006-04-03	2008-07-08	US11/278434
679	US7795101	US	2010-02-08	2010-09-14	US12/701612
680	TWI300962	TW	2006-03-31	2008-09-11	TW095111638
681	TWI469225	TW	2010-02-08	2015-01-11	TW099103812
682	US7468620	US	2006-08-07	2008-12-23	US11/462802
683	CN101132166B	CN	2006-08-24	2011-07-20	CN200610121468.1
684	TWI321897	TW	2006-08-17	2010-03-11	TW095130227
685	US7528045	US	2007-01-31	2009-05-05	US11/669164
686	TWI328856	TW	2007-02-02	2010-08-11	TW096103845
687	US8664073	US	2011-01-04	2014-03-04	US12/983894
688	US7888223	US	2007-03-28	2011-02-15	US11/692609
689	TWI343080	TW	2007-04-03	2011-06-01	TW096111750
690	US7622344	US	2007-07-17	2009-11-24	US11/779270
691	CN101355054B	CN	2007-07-27	2010-07-28	CN200710138321.8
692	TWI363401	TW	2007-07-18	2012-05-01	TW096126218
693	US7858421	US	2010-06-21	2010-12-28	US12/819229
694	US7777284	US	2007-03-28	2011-02-15	US11/754362
695	CN101320711B	CN	2007-06-05	2010-11-17	CN200710108879.1
696	TWI357624	TW	2007-05-29	2012-02-01	TW096119107
697	US8159557	US	2008-09-23	2012-04-17	US12/236492
698	CN101686353B	CN	2008-09-28	2013-07-10	CN200810168784.3
699	TWI507044	TW	2008-09-24	2015-11-01	TW097136616
700	US9988264	US	2014-09-18	2018-06-05	US14/489495
701	US8872287	US	2008-03-27	2014-10-28	US12/056286
702	TWI363397	TW	2008-03-27	2012-05-01	TW097110980
703	US7808308	US	2009-02-17	2010-10-05	US12/372136
704	TWI425222	TW	2009-02-23	2014-02-01	TW098105662
705	US8062972	US	2009-08-26	2011-11-22	US12/547780
706	TWI500087	TW	2009-08-27	2015-09-11	TW098128912
707	US8707974	US	2009-12-11	2014-04-29	US12/635710
708	US9539621	US	2013-12-17	2017-01-10	US14/108376
709	CN102107197B	CN	2009-12-24	2015-04-01	CN200910266338.0
710	TWI567847	TW	2009-12-11	2017-01-21	TW098142477
711	US8692332	US	2010-01-14	2014-04-08	US12/687133
712	TWI476867	TW	2010-01-13	2015-03-11	TW099100795
713	US8273642	US	2010-10-04	2012-09-25	US12/897771
714	US8895435	US	2011-01-31	2014-11-25	US13/018009
715	US8853013	US	2011-08-19	2014-10-07	US13/213092
716	TWI528460	TW	2011-08-18	2016-04-01	TW100129596

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717	US8318579	US	2011-12-01	2012-11-27	US13/308618
718	US8743627	US	2012-01-18	2014-06-03	US13/352411
719	TWI512758	TW	2012-01-18	2015-12-11	TW101102046
720	US8835243	US	2012-05-04	2014-09-16	US13/463819
721	TWI534893	TW	2012-05-04	2016-05-21	TW101116034
722	US8772120	US	2012-05-24	2014-07-08	US13/479279
723	TWI521574	TW	2012-05-23	2016-02-11	TW101118317
724	US9208276	US	2015-08-11	2015-12-08	US14/822907
725	US9141744	US	2013-08-15	2015-09-22	US13/968391
726	TWI588596	TW	2013-08-15	2017-06-21	TW102129307
727	US9299843	US	2013-11-13	2016-03-29	US14/078701
728	US9349653	US	2014-11-12	2016-05-24	US14/539225
729	CN105575805B	CN	2014-10-08	2019-01-04	CN201410525197.0
730	US9466480	US	2014-11-04	2016-10-11	US14/532015
731	US10312235	US	2018-02-08	2019-06-04	US15/892366
732	US9929154	US	2014-11-13	2018-03-27	US14/541085
733	US9530646	US	2015-02-24	2016-12-27	US14/629491
734	US9530841	US	2015-12-07	2016-12-27	US14/960442
735	CN106711214A	CN	2015-11-12	2017-05-24	CN201510769624.4
736	US10199501	US	2017-08-15	2019-02-05	US15/678100
737	US9773910	US	2015-11-30	2017-09-26	US14/954967
738	TWI662699	TW	2015-11-04	2019-06-11	TW104136243
739	US9613808	US	2016-01-19	2017-04-04	US15/001094
740	US10147470	US	2017-03-13	2018-12-04	US15/456602
741	US9633712	US	2008-12-30	2010-01-12	US15/131034
742	CN107180649B	CN	2016-03-11	2017-09-19	CN201610139720.5
743	US9964587	US	2016-05-11	2018-05-08	US15/151748
744	US10192832	US	2016-08-16	2019-01-29	US15/238595
745	US9852912	US	2016-09-20	2017-12-26	US15/270638
746	US9978687	US	2017-01-11	2018-05-22	US15/403188
747	US10472232	US	2016-12-09	2019-11-12	US15/373489
748	US10640372	US	2019-07-25	2020-05-05	US16/522636
749	US10121790	US	2017-11-03	2018-11-06	US15/802472
750	US9837417	US	2016-12-14	2017-12-05	US15/378050
751	US10777556	US	2018-10-01	2019-02-07	US16/149125
752	TWI704622	TW	2016-11-15	2018-05-16	TW105137190
753	US10332839	US	2017-01-06	2019-06-25	US15/400600
754	US10510677	US	2018-08-21	2019-12-17	US16/108071
755	US10082471	US	2017-01-02	2018-09-25	US15/396805
756	US10156526	US	2018-08-21	2018-12-18	US16/108054
757	US10134836	US	2017-03-31	2018-11-20	US15/476751
758	US10566418	US	2018-10-04	2020-02-18	US16/152240
759	TWI689040	TW	2017-02-02	2020-03-21	TW106103493
760	US10102475	US	2017-11-01	2018-10-16	US15/800083
761	TWI708481	TW	2017-09-29	2019-04-16	TW106133669

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762	US10366756	US	2018-08-19	2019-07-30	US16/104946
763	CN110729013A	CN	2018-07-16	2020-01-24	CN201810777449.7
764	US7772064	US	2007-03-05	2010-08-10	US11/681993
765	US8058733	US	2010-06-29	2011-11-15	US12/825515
766	CN101271860B	CN	2007-03-19	2010-09-15	CN200710087785.0
767	TWI346362	TW	2007-03-09	2011-08-01	TW096108226
768	US8110342	US	2008-08-18	2012-02-07	US12/193052
769	TWI381444	TW	2008-08-18	2013-01-01	TW097131407
770	US9857508	US	2016-10-06	2018-01-02	US15/287527
771	US9507264	US	2015-02-02	2016-11-29	US14/611858
772	US10446448	US	2018-10-30	2019-10-15	US16/175776
773	US10153210	US	2017-06-09	2018-12-11	US15/618131
774	US10229995	US	2017-08-04	2019-03-12	US15/668719
775	CN109273440B	CN	2017-07-18	2019-01-25	CN201710584810.X
776	US10438893	US	2017-10-15	2019-10-08	US15/784180
777	CN109545735A	CN	2017-09-22	2019-03-29	CN201710867909.0
778	US10504903	US	2018-06-06	2019-12-10	US16/000911
779	TW202005001	TW	2018-05-24	2020-01-16	TW107117816
780	US10461200	US	2018-08-03	2019-10-29	US16/054938
781	CN110718564A	CN	2018-07-13	2020-01-21	CN201810769160.0
782	US6649512	US	2002-06-07	2003-11-18	US10/165739
783	CN1259710C	CN	2002-09-11	2004-03-17	CN02131620.1
784	TW184504	TW	2002-08-07	2003-08-21	TW091117746
785	CN105280575A	CN	2014-07-17	2016-01-27	CN201410341647.0
786	CN111564371A	CN	2014-09-09	2020-08-21	CN202010493391.0
787	US10629734	US	2019-01-18	2020-04-21	US16/252521