

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
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EPAS ID: PAT5929273

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
GENERAL ELECTRIC COMPANY	07/03/2017

**RECEIVING PARTY DATA**

<b>Name:</b>	BAKER HUGHES, A GE COMPANY, LLC
<b>Street Address:</b>	17021 ALDINE WESTFIELD ROAD
<b>City:</b>	HOUSTON
<b>State/Country:</b>	TEXAS
<b>Postal Code:</b>	77073

**PROPERTY NUMBERS Total: 40**

Property Type	Number
Patent Number:	8742769
Patent Number:	8611567
Patent Number:	9041384
Patent Number:	8836322
Patent Number:	8710825
Patent Number:	8793103
Patent Number:	8515149
Patent Number:	8769345
Patent Number:	9027406
Patent Number:	9188543
Patent Number:	8868384
Patent Number:	9274519
Patent Number:	8287290
Patent Number:	10289108
Patent Number:	8683865
Patent Number:	9013469
Patent Number:	8322237
Patent Number:	8519744
Patent Number:	8706443
Patent Number:	8674707

PATENT

Property Type	Number
Patent Number:	8547554
Patent Number:	8411083
Patent Number:	9932852
Patent Number:	8853918
Patent Number:	8523590
Patent Number:	8502554
Patent Number:	9354204
Patent Number:	8732489
Patent Number:	8884614
Patent Number:	8838955
Patent Number:	9633426
Patent Number:	8635913
Patent Number:	8902258
Patent Number:	8844375
Patent Number:	8409537
Patent Number:	8502157
Patent Number:	8445860
Patent Number:	8991258
Patent Number:	8511424
Patent Number:	8746399

**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:** 281-231-3041

**Email:** rebecca.evans@bhge.com

**Correspondent Name:** REBECCA EVANS

**Address Line 1:** 14990 YORKTOWN PLAZA DRIVE

**Address Line 4:** HOUSTON, TEXAS 77040

**NAME OF SUBMITTER:** REBECCA EVANS

**SIGNATURE:** /Rebecca Evans/

**DATE SIGNED:** 01/26/2020

**Total Attachments: 38**

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CONFIRMATORY PATENT ASSIGNMENT

WHEREAS, General Electric Company, a New York corporation ("GE") having a correspondence address of 1 River Road, Schenectady, NY 12345, USA, is the record owner of the United States Patents and Patent Applications listed on Exhibit A hereto (the "Transferred Patents");

WHEREAS, Baker Hughes, a GE company, LLC, a limited liability company of the State of Delaware ("BHGE"), having a correspondence address of 17021 Aldine Westfield, Houston, Texas, 77073, USA; and

WHEREAS pursuant to that certain Transaction Agreement and Plan of Merger, dated as of October 30, 2016, among GE, Baker Hughes Incorporated, a Delaware corporation ("BHI"), Bear Newco, Inc., a Delaware corporation and a wholly owned Subsidiary of BHI ("Newco"), Bear MergerSub, Inc., a Delaware corporation and a wholly owned Subsidiary of Newco ("Merger Sub"), as amended by the Amendment to the Transaction Agreement and Plan of Merger, dated as of March 27, 2017 (the "Merger Agreement"), GE and BHGE entered into that certain Contribution Agreement dated and effective July 3, 2017.

NOW, THEREFORE, it be known by all whom it may concern that for and in consideration of One Dollar (\$1.00) and other good and valuable consideration as set forth in the Contribution Agreement, the receipt of which is hereby acknowledged, GE hereby (i) acknowledges and agrees that BHGE acquired GE's right, title and interest in the Transferred Patents pursuant to the Contribution Agreement, including any patents which may issue thereon and rights with respect to the Transferred Patents to causes of action, lawsuits, judgments, proceedings and demands against third parties to the extent arising out of or attributable to GE O&G (except to the extent related to the Excluded Assets or the Excluded Liabilities) (as the foregoing terms are defined in the Merger Agreement), and (ii) authorizes the Commissioner of Patents and Trademarks to record BHGE as the record owner of the Transferred Patents and to issue Letters patents to BHGE granted from the Transferred Patents.

GE HEREBY covenants and agrees that GE will at any time, upon the reasonable request of BHGE, execute and deliver any and all papers and do all lawful acts that may be necessary to perfect the transfer of title of the Transferred Patents from GE to BHGE.

IN WITNESS WHEREOF, the parties hereto have executed this PATENT ASSIGNMENT:



GENERAL ELECTRIC COMPANY

By: 

Name: Buckmaster de Wolf

Title: Vice President, Environment,  
Health & Safety; Chief Intellectual Property  
Council

BAKER HUGHES, A GE COMPANY,  
LLC

By: 

Name: A. Middle

Title: Chief Technology  
Vice President

Counsel

## Exhibit A

Internal No.	Country	App. No.	File Date	Grant No.	Grant Date
214783	AT	9177146.9	11/26/2009	2194302.0	2014-03-05
136240	AU	2005201561	4/13/2005	2005201561.0	2010-01-07
199694	AU	2007203072	6/29/2007	2007203072.0	2013-07-15
243874	AU	2012201295	3/2/2012	2012201295.0	2015-08-27
246968	AU	2012247541	10/24/2013	2012247541.0	2016-04-18
247777	AU	2012200971	2/20/2012	2012200971.0	2015-05-07
247779	AU	2012200975	2/20/2012	2012200975.0	2015-10-01
256941	AU	2012261737	12/11/2012	2012261737.0	2015-07-23
260004	AU	2013230074.0	8/20/14	2013230074	2017-06-08
262673	AU	2013329336.0	4/2/15	2013329336	2017-12-18
268920	AU	2015223200.0	8/17/16		
270099	AU	2015267645.0	12/9/16		
276147	AU	2014408243.0	3/20/17		
233696	BR	PI0915245-8	10/16/2009		
238985	BR	PI1100571-8	1/4/2011		
240850	BR	PI1100696-0	1/5/2011		
241249	BR	PI 1103537-4	7/29/2011		
243265	BR	PI1100319-7	2/8/2011		
243922	BR	PI 1103742-3	8/26/2011		
243926	BR	PI1104088-2	8/5/2011		
243958	BR	PI 1104205-2	8/24/2011		
243961	BR	PI1104361-0	10/4/2011		
243962	BR	PI1103833-0	8/18/2011		
245621	BR	10201201624	6/29/2012		
246968	BR	11201302742	10/24/2013		
248458	BR	BR10201201	5/25/2012		
249211	BR	10201202058	8/16/2012		
256406	BR	BR10201202	11/23/2012		
256532	BR	11201403060	12/5/2014		
257095	BR	10201202957	11/21/2012		
259367	BR	112015010972-1	5/13/15		
261594	BR	112015009713-8	4/29/15		
262673	BR	112015008079-0	4/10/15		
264409	BR	102014012715-1	5/27/14		
268146	BR	112015031940-8	12/18/15		
269248	BR	112017008760-0	4/27/17		
269296	BR	112016001649-1	1/26/16		
272044	BR	102014031037-1	12/11/14		
272314	BR	302014002903-7	6/23/14	302014002903-7	2017-04-25

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275480	BR	PI0812580-5	12/4/09		
275504	BR	PI0820533-7	5/17/10		
276147	BR	112017005550-3	3/20/17		
265097A	BR	302014002904-5	6/20/14	302014002904-5	2017-04-25
267879A	BR	302014002902-9	6/23/14	302014002902	2016-07-19
192821	CA	2794807	11/8/2012		
199694	CA	2593402	6/21/2007	2593402.0	2014-11-18
225420	CA	2635390	6/19/2008	2635390.0	2012-09-11
230846	CA	2682882	10/15/2009	2682882	2018-01-09
232516	CA	2681460	10/1/2009	2681460.0	2014-01-28
237071	CA	2774258	7/21/2010	2774258	2018-01-02
238021	CA	2759472	4/6/2010	2759472.0	2015-07-07
243533	CA	2758421	11/17/2011	2758421	2018-03-27
243874	CA	2769923	3/1/2012		
245621	CA	2781942	6/28/2012		
246080	CA	2799731	12/20/2012	2,745,558	2018-09-04
246080	CA	2745558	7/7/2011	2,745,558	2018-09-04
247777	CA	2768436	2/16/2012	2768436	2018-07-03
247779	CA	2768566	2/16/2012	2768566	2018-06-05
248133	CA	2777155	5/15/2012		
248458	CA	2777306	5/18/2012	2,777,306	2019-01-15
249643	CA	2790266	9/13/2012		
252418	CA	2806385	2/14/2013		
253137	CA	2888244	4/16/2015		
255365	CA	2802251	1/17/2013		
256362	CA	2872949	11/6/2014		
258067	CA	2894853	6/11/2015		
258702	CA	2897801.0	7/9/15		
258741	CA	2910830.0	10/29/15		
258804	CA	2891588.0	5/14/15		
259367	CA	2891126.0	5/7/15		
260004	CA	2865988.0	8/28/14		
260147	CA	2891617.0	5/14/15	2891617	2018-01-09
261594	CA	2890173.0	5/1/15		
262612	CA	2821256.0	7/18/13		
262902	CA	2912967.0	11/19/15		
264377	CA	2897789.0	7/9/15		
264392	CA	2898458.0	7/16/15		
264393	CA	2897741.0	7/9/15		
265053	CA	2896839.0	6/29/15		

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265306	CA	2898455.0	7/16/15		
265370	CA	2897021.0	7/2/15		
265419	CA	2898462.0	7/16/15		
268920	CA	2940215.0	8/18/16		
269094	CA	2530344.0	12/15/05	2530344	2013-08-20
269103	CA	2582560.0	3/22/07	2582560	2012-02-21
269248	CA	2966869.0	5/4/17		
269713	CA	2913015.0	11/19/15		
272314	CA	157144.0	6/19/14	157144	2015-05-07
275504	CA	2705971.0	5/17/10	2705971	2016-04-05
276147	CA	2963216.0	3/30/17		
279797	CA	2951102.0	12/8/16		
313067	CA	2961310.0	3/20/17		
313763	CA	2966824.0	5/11/17		
265097A	CA	157143.0	6/19/14	157143	2015-05-14
267879A	CA	157142.0	6/19/14	157142	2015-05-14
141902	CH	0778/05	5/2/2005	698374.0	2009-07-31
191115	CH	7110904.5	6/22/2007	1895323.0	2010-11-10
214783	CH	9177146.9	11/26/2009	2194302.0	2014-03-05
229390	CH	9172292.6	10/6/2009	2175134.0	2013-04-24
231044	CH	9170910.5	9/22/2009	2169408.0	2011-11-09
232339	CH	9173342.8	10/16/2009	2182491.0	2016-05-18
246091	CH	11191555.7	12/2/2011	2466253.0	2015-08-26
246112	CH	11189440.8	11/16/2011	2479548.0	2014-07-02
247746	CH	0390/12	3/20/2012	70464781	2017-07-14
249616	CH	1288/12	8/6/2012	705363	2017-12-29
269713	CH	1742/15	11/24/15	709950	2018-06-29
151133	CN	2.0061E+11	6/27/2006		
151133	CN	2.0151E+11	4/20/2015		
153903	CN	200610051589.39.3	3/21/2008	200610051589.3	2012-06-13
161362	CN	2.0061E+11	11/6/2006	200610172860.9	2011-06-15
192821	CN	2.0111E+11	11/23/2011	103131418	2017-04-12
208493	CN	2.0071E+11	8/10/2007	200710140915.2	2012-11-14
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230502	CN	20151049885	8/14/2015		
233696	CN	20098014678	5/17/2011	200980146788.4	2013-05-29
234302	CN	20111021426	7/19/2011	201110214262.4	2014-07-16
237071	CN	20108004290	3/21/2012	201080042902.1	2015-04-01
238021	CN	20108002012	11/1/2011	102422123	2018-01-12
238985	CN	20111000855	1/5/2011	201110008556.1	2014-11-19
240850	CN	20111002646	1/11/2011	201110026468.4	2015-03-25
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243958	CN	20111025475	8/24/2011	201110254756.5	2015-11-25
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257693	CN	20131000934	1/10/2013		
258072	CN	20131014714	4/25/2013	103376137	2017-12-12
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262044	CN	201310436718.0	9/24/13	103659788	2016-11-23
262290	CN	201310440461.6	9/25/13	103674154	2018-10-09
262673	CN	201380053446.4	4/13/15	104704188	2017-06-13
262792	CN	201380060642.4	5/20/15	104781663	2018-02-06
262902	CN	201480030654.7	11/27/15	105308447	2018-12-04
263152	CN	201310552059.7	11/8/13	103812073	2017-06-09
263585	CN	201380066142.1	6/17/15	104838290	2018-01-26
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265054	CN	201380074152.X	8/31/15	105074710	2018-01-26
265055	CN	201380074050.8	8/28/15	105009133	2018-08-14
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265306	CN	201380071412.8	7/24/15	104919338	2018-05-22
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265419	CN	201480006054.7	7/24/15	104937692	2018-01-19
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265684	CN	201310683975.4	12/13/13	ZL201310683975.4	2018-12-28
266204	CN	201480042046.8	1/25/16	105408069	2017-10-31

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268103	CN	201480029365.5	11/20/15	105229265	2017-08-22
268344	CN	201480043738.4	2/2/16	105409200	2018-09-11
268510	CN	201480044755.X	2/5/16	105431787	2018-11-02
268587	CN	201580042404.X	2/7/17		
268920	CN	201580010479.X	8/25/16	201580010479.X	2019-05-31
269636	CN	201410294303.9	6/26/14	104252006	2018-11-20
269713	CN	201480031431.2	12/1/15	201480031431.2	2019-04-09
270099	CN	201580040655.4	1/25/17		
270105	CN	201410388241.8	8/8/14		
271167	CN	201410498359.6	9/25/14	104459759	2018-09-21
271348	CN	201580018056.2	9/30/16		
271664	CN	201410092951.6	3/13/14	ZL201410092951.6	2018-07-06
271850	CN	201510135269.5	3/26/15	ZL201510135269.5	2019-06-14
272112	CN	201310685202.X	12/13/13	ZL201310685202.X	2018-05-22
272314	CN	201430192667.7	6/20/14	201430192667.7	2015-04-01
272549	CN	201410127094.9	3/31/14		
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273278	CN	201580039071.5	1/18/17	#N/A	
275506	CN	201180013355.9	3/16/11	201180013355.9	2014-12-03
275509	CN	201280043534.1	3/7/14	103842789	2016-08-17
275854	CN	201430489710.6	12/1/14	201430489710.6	2015-09-09
275857	CN	201430483293.4	11/28/14	201430483293.4	2015-08-19
276147	CN	201480082509.3	4/6/17		
283588	CN	201610693685.1	8/19/16		
283692	CN	201610443447.5	6/20/16		
285097	CN	20171027095	4/24/2017		
285388	CN	201610666159.6	8/12/16		
312820	CN	201610873914.8	9/30/16		
313531	CN	201610502505.7	6/30/16		
313549	CN	201610504017.X	6/30/16		
314623	CN	201611000000.0	8/31/16		
314947	CN	20171027110	4/24/2017		
314957	CN	20171027083	4/24/2017		
315558	CN	20171012107	3/2/2017		
316615	CN	20171098618	2/17/2017		
265097A	CN	201430192780.5	6/20/14	201430192780.5	2015-01-07
267879A	CN	201430192870.4	6/20/14	2.0143E+11	2015-04-01
143244	DE	5252183.8	4/7/2005	1586853.0	2015-12-09
153903	DE	1.02006E+11	3/1/2006	102006009777	2018-01-15
153945	DE	5257546.1	12/8/2005	1672345.0	2015-04-15

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159842	DE	20070420589	9/5/2007		
189901	DE	20070073013	2/7/2007		
191115	DE	7110904.5	6/22/2007	2007010384.3	2010-11-10
195375	DE	8730206.3	2/20/2008	602008019438.8	2012-10-17
205475	DE	6.02008E+11	7/28/2008	602008013990.5	2012-03-07
208493	DE	7113407.6	7/30/2007	1887352.0	2013-09-25
214783	DE	9177146.9	11/26/2009	2194302.0	2014-03-05
225010	DE	10201210456	5/25/2012		
229390	DE	9172292.6	10/6/2009	2175134.0	2013-04-24
229538	DE	9731611.1	3/18/2009	2269274.0	2012-05-16
229544	DE	9171295	9/25/2009	2175256.0	2016-01-27
231044	DE	9170910.5	9/22/2009	602009003567.3	2011-11-09
232339	DE	9173342.8	10/16/2009	2182491.0	2016-05-18
236293	DE	10201210456	5/25/2012		
237071	DE	10737433.2	3/19/2012	2480858.0	2015-01-28
237417	DE	10201105576	11/28/2011		
238021	DE	10712305.1	4/6/2010	602010009776.5	2013-08-28
241245	DE	11168982.4	6/7/2011	2395347.0	2013-04-03
241249	DE	11175909.8	7/29/2011	2418478.0	2016-10-12
242669	DE	11159289.5	3/22/2011	2369216.0	2014-01-15
243926	DE	10201105267	8/12/2011	10 2011 052 670	2013-03-21
244402	DE	11178503.6	8/23/2011	2427041.0	2016-06-01
246091	DE	11191655.7	12/2/2011	2466253.0	2015-08-26
246112	DE	11189440.8	11/16/2011	2479548.0	2014-07-02
246496	DE	2012110498	11/2/2012		
246924	DE	10201310190	2/26/2013		
247746	DE	10201210210	3/13/2012		
247777	DE	12156300.1	2/21/2012	2492694.0	2013-12-25
247779	DE	12156301.9	2/21/2012	2492695.0	2013-12-04
248378	DE	10201210095	2/6/2012		
248424	DE	10201310262	6/14/2013		
248969	DE	10201210555	6/26/2012		
248996	DE	10201210539	6/21/2012		
249616	DE	10201210708	8/2/2012		
249643	DE	10201210879	9/18/2012		
249892	DE	10201210879	9/18/2012		
250832	DE	10201310190	2/26/2013		
251170	DE	12183167.1	9/5/2012	2568057.0	2016-04-06
252557	DE	11201300632	6/30/2015		
253137	DE	11201300511	4/17/2015		



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253318	DE	10201310352	4/9/2013		
256160	DE	10201411801	12/5/2014		
256649	DE	10201310796	7/25/2013		
257259	DE	10201310070	1/24/2013		
257490	DE	10201410757	5/28/2014		
258702	DE	112014000511.8	7/22/15		
258961	DE	102013105476.5	5/28/13		
259367	DE	11 2013 005 447.7	5/12/15		
261594	DE	112013005279.2	10/3/13		
262049	DE	102013113607.9	12/6/13		
262098	DE	102013113608.7	12/6/13		
262290	DE	102013110503.3	9/23/13		
262322	DE	102014104767.2	4/3/14		
263152	DE	102013111876.3	10/28/13		
263974	DE	102014100646.1	1/21/14		
264654	DE	102014107543.9	5/28/14		
264982	DE	14704720.3	8/19/15	2957010	2016-10-05
265097	DE	102014111856.1	8/19/14		
265213	DE	112014000509.6	7/22/15		
265457	DE	102014111858.8	8/19/14		
265490	DE	102014101363.8	2/4/14		
266182	DE	102014108981.2	6/26/14		
266204	DE	112014003390.1	1/22/16		
267245	DE	102014112238.0	8/26/14		
267492	DE	102014108384.9	6/13/14		
267588	DE	102014116216.1	11/6/14		
267890	DE	102014112237.2	8/26/14		
268344	DE	112014003573.4	2/2/16		
269652	DE	102014115960.8	11/3/14		
270607	DE	102014114990.4	10/15/14		
272122	DE	102015101225.1	1/28/15		
275070	DE	102015105576.7	4/13/15		
275496	DE	2002746217.0	12/1/03	60207864.4	2005-12-07
275854	DE	402014101086.2	11/13/14	402014101086.2	2014-12-08
275857	DE	402014101140.0	11/27/14	402014101140	2015-01-16
277055	DE	102016106199.9	4/5/16		
277073	DE	102013106901.0	7/1/13		
278251	DE	102016102866.5	2/18/16		
279995	DE	102015122197.7	12/18/15	#N/A	
256160A	DE	10201411842	12/11/2014		

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256160AA	DE	10201710222	2/6/2017		
256160B	DE	10201710222	2/6/2017		
277055A	DE	102016106198.0	4/5/16		
225010	DK	PA20127025	5/16/2012	PR178866	2017-04-10
229544	DK	9171295	9/25/2009	2175256.0	2016-01-27
232339	DK	9173342.8	10/16/2009	2182491.0	2016-05-18
244402	DK	11178503.6	8/23/2011	2427041.0	2016-06-01
246112	DK	11189440.8	11/16/2011	2479548.0	2014-07-02
246496	DK	PA20127067	11/6/2012	178488.0	2016-04-18
246924	DK	PA20137010	2/26/2013	PR179177	2018-01-08
247777	DK	12156300.1	2/21/2012	2492694.0	2013-12-25
248378	DK	PA20127005	2/3/2012	PR177849	2014-09-22
248424	DK	201370154	3/14/2013	178624.0	2016-09-12
248969	DK	PA20127035	6/25/2012	PR178660	2016-10-24
251170	DK	12183167.1	9/5/2012	2568057.0	2016-04-06
264982	DK	14704720.3	8/19/15	2957010	2016-10-05
270607	DK	PA201470646	10/21/14		
260004	DZ	140520.0	9/4/14		
237781	EM	1690868	4/6/2010	1690868.0	2010-04-06
256234	EM	002123976	10/24/2012	002123976-0001	2012-10-24
264552	EM	2187666.0	2/20/13	002187666-0001	2013-02-20
265954	EM	2253401.0	6/11/13		
265956	EM	2253468.0	6/11/13	002253468-0001	2013-06-11
268667	EM	2588384.0	12/1/14	002588384	2014-12-01
272314	EM	2484220.0	6/17/14		
277852	EM	2636993.0	2/19/15	002636993	2015-02-19
279098	EM	002821918	10/14/15	002821918-0001	2015-10-14
265097A	EM	2473157.0	5/29/14	002473157-0001	2014-05-29
267879A	EM	2484394.0	6/17/14	002484394-0001	2014-08-22
151133	EP	6253299.9	6/26/2006		
153661	EP	6790213	9/12/2006	1934571	2018-12-26
189413	EP	6126202.8	12/15/2006		
196414	EP	7868778.7	6/18/2009		
216217	EP	8164430.4	9/16/2008		
228068	EP	8170239.1	11/28/2008	2071359	2019-01-16
229746	EP	9173328.7	10/16/2009		
231155	EP	9175690.8	11/11/2009		
232352	EP	9169714.4	9/8/2009		
233696	EP	9743992.1	5/13/2011		
240850	EP	11150136.7	1/4/2011	2343547	2019-04-03

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241625	EP	13156435.3	2/22/2013		
242300	EP	11161517.5	4/7/2011	2378382	2019-03-27
243265	EP	11153061.4	2/2/2011		
243352	EP	11799332.9	6/26/2013		
243478	EP	11181450.5	9/15/2011		
243533	EP	11190199.7	11/22/2011		
243874	EP	12158054.2	3/5/2012		
243922	EP	11178552.3	8/23/2011	2423556	2019-01-02
243961	EP	11183685.4	10/3/2011		
244483	EP	11175689.6	7/28/2011		
245396	EP	11180666.7	9/9/2011		
245621	EP	12174220.9	6/28/2012		
246080	EP	12197047.9	12/13/2012		
246080	EP	11173957.9	7/14/2011		
246961	EP	12156436.3	2/22/2012	8505364	2013-08-13
247834	EP	11188749.3	11/11/2011		
247878	EP	12181778.7	8/24/2012		
248043	EP	12178131.4	7/26/2012		
248133	EP	12168057.3	5/15/2012		
248228	EP	13158460.9	3/8/2013		
248476	EP	12157924.7	3/2/2012		
248838	EP	12158306.6	3/6/2012	2498067	2018-10-03
249368	EP	12162900	4/2/2012		
250179	EP	12187664.3	10/8/2012		
251042	EP	12798962.2	5/30/2014		
251176	EP	12182190.4	8/29/2012		
251938	EP	12184510.1	9/14/2012		
252040	EP	13151345.9	1/15/2013		
252073	EP	13811270.1	4/23/2015		
252507	EP	13710143.2	8/27/2014	2820619	2019-01-09
252793	EP	13708015.6	8/27/2014		
252821	EP	14152003.1	1/21/2014		
253137	EP	13770823.6	4/24/2015		
253330	EP	13165915.3	4/30/2013		
253715	EP	13179681.5	8/8/2013		
253791	EP	13163719.1	4/15/2013	2653943	2019-09-25
256234	EP	12189162.6	10/19/2012		
256362	EP	13726076.6	11/17/2014		
256406	EP	12194194.2	11/26/2012		
256532	EP	13729880.8	12/15/2014		

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256866	EP	13747542.2	1/28/2015		
257377	EP	13166026.8	4/30/2013	2660674	2018-12-26
257764	EP	13792127.6	4/30/2015		
258067	EP	13805712	7/17/2015		
258072	EP	13165152.3	4/24/2013		
258627	EP	14159044.8	3/12/14		
258741	EP	14716210.1	10/19/15		
258804	EP	13793032.7	5/18/15		
259362	EP	13756275.7	3/23/15		
259390	EP	13171022.0	6/7/13		
259638	EP	13815218.6	5/28/15		
259799	EP	14704425.9	7/24/15		
260004	EP	13716488.5	9/8/14		
260216	EP	13745738.8	2/23/15		
260438	EP	13793054.1	6/24/15		
260450	EP	13814388.8	6/24/15		
260898	EP	14726300.8	10/22/15		
261595	EP	13785759.5	5/6/15		
261670	EP	13815220.2	6/26/15		
262099	EP	13815186.5	6/16/15		
262209	EP	13803350.1	7/23/15		
262210	EP	13821545.4	6/30/15	2939412	2019-05-15
262612	EP	13177228.7	7/19/13		
262673	EP	13779501.9	5/1/15	2917450	2019-03-20
262739	EP	13776701.8	5/5/15		
262792	EP	13802486.4	5/18/15		
262902	EP	14732716.7	11/25/15		
263240	EP	14702333.7	7/16/15		
263556	EP	13799702.9	5/26/15		
263585	EP	13861516.6	6/8/15		
263784	EP	14704204.8	7/14/15		
263918	EP	14736508.4	12/18/15		
264009	EP	14703675.0	7/16/15		
264377	EP	13826679.6	7/6/15		
264388	EP	14704226.1	8/19/15		
264392	EP	14703643.8	7/22/15		
264393	EP	13818552.5	7/16/15		
264409	EP	14172010.2	6/11/14		
264470	EP	14703647.9	7/16/15		
264507	EP	13821758.3	6/26/15		

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264508	EP	13815601.3	6/24/15		
264809	EP	14178548.5	7/25/14		
264838	EP	14159065.3	3/12/14		
264959	EP	14732051.9	1/20/2016		
264959	EP	14732051.9	1/20/2016		
265053	EP	13821546.2	7/24/15		
265055	EP	13818538.4	6/30/15		
265056	EP	13815321.8	7/3/15		
265139	EP	13821544.7	7/2/15		
265210	EP	13818553.3	7/14/15		
265306	EP	13821633.8	8/5/15		
265370	EP	13815630.2	7/27/15		
265419	EP	14741694.5	8/5/15		
265684	EP	14824279.5	7/5/16		
266310	EP	14739621.2	2/4/16		
267176	EP	14777221.4	3/3/16		
268064	EP	14189946.8	10/22/14		
268103	EP	14723655.8	11/10/15		
268146	EP	14729142.1	12/18/15		
268510	EP	14753370.7	2/19/16		
268587	EP	15750152.9	2/22/17	3178132	2019-03-27
268923	EP	14824635.8	7/5/16		
269149	EP	14816006.2	6/20/16		
269248	EP	15788261.4	5/10/17		
270105	EP	14179586.4	8/1/14		
270394	EP	14731462.9	1/27/16		
270421	EP	14812104.9	6/20/16		
271062	EP	14755254.1	3/17/16		
271167	EP	14184524.8	9/12/14		
271348	EP	15712025.4	10/7/16		
271480	EP	15725153.9	11/14/16		
271589	EP	15702360.7	7/29/16		
271850	EP	15160584.7	3/24/15		
272044	EP	14198748.7	12/18/14	2891761	2019-02-20
272112	EP	14816552.5	7/5/16		
272465	EP	15750902.7	3/17/17		
272877	EP	15175513.9	7/6/15		
272944	EP	15792785.6	8/24/16		
273096	EP	15716686.9	10/14/16	3134613	2019-06-12
273205	EP	15885780.5	9/29/16		

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273278	EP	15727126.3	12/6/16		
273278	EP	15727126.3	1/26/17		
273320	EP	15711635.1	10/7/16		
273461	EP	15720132.8	10/21/16		
273842	EP	15711361.4	10/27/16		
274848	EP	15719390.5	10/25/16		
274955	EP	15798612.6	5/30/17		
274956	EP	15770756.3	5/18/17		
275028	EP	15711014.9	9/26/16		
275506	EP	11721389.2	8/30/12		
275523	EP	10825254.5	10/19/10		
275615	EP	15725200.8	12/20/16		
275918	EP	15184342.2	9/8/15		
277851	EP	15185692.9	9/17/15		
277900	EP	16182960.1	8/5/16	3130977	2018-10-17
278083	EP	16199480.1	11/18/16		
278132	EP	15790343.6	6/13/17		
279700	EP	16200649.8	11/25/16		
279938	EP	15820352.1	6/15/17		
282043	EP	17151447.4	1/13/17		
283021	EP	16203087.8	12/9/16		
283519	EP	17163827.3	3/30/17		
284229	EP	17162638.5	3/23/17		
284557	EP	17160269.1	3/10/17		
285056	EP	17160112.3	3/9/17		
285501	EP	17171159.1	5/15/17		
285640	EP	16199472.8	11/18/16		
285813	EP	17171249.0	5/15/17		
313511	EP	16199752.3	11/21/16		
314027	EP	17171505.5	5/17/17		
246924A	EP	16192763	10/7/2016	2479548	2014-07-02
263974A	EP	16199469.4	11/18/16		
136240	FR	503849	4/18/2005	503849.0	2007-11-16
158681	FR	756234	7/3/2007	756234.0	2015-07-17
191115	FR	7110904.5	6/22/2007	1895323.0	2010-11-10
208493	FR	7113407.6	7/30/2007	1887352.0	2013-09-25
237071	FR	10737433.2	3/19/2012	2480858.0	2015-01-28
249643	FR	1258773	9/19/2012		
251006	FR	1259592	10/9/2012	1259592	2018-01-05
251151	FR	1257874	8/20/2012	1257874.0	2014-03-14

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251170	FR	12183167.1	9/5/2012	2568057.0	2016-04-06
251449	FR	1350291	1/14/2013	1350291	2018-04-20
256941	FR	1261979	12/13/2012	1261979.0	2015-07-03
257095	FR	1261562	12/3/2012	1261562.0	2016-04-15
275496	FR	2002746217.0	12/1/03	1407240	2005-12-07
136240	GB	507905.8	4/19/2005	2413413.0	2008-07-16
137482	GB	320083.9	8/27/2003	2405476.0	2006-07-19
141903	GB	425348	11/17/2004	2409276.0	2008-05-28
143244	GB	5252183.8	4/7/2005	1586853.0	2015-12-09
153903	GB	603843.4	2/27/2006	2423771.0	2009-10-14
153945	GB	5257546.1	12/8/2005	1672345.0	2015-04-15
155504	GB	5253078.9	5/18/2005	1602892.0	2013-12-04
161362	GB	621842.4	11/2/2006	2432062.0	2011-01-05
191115	GB	7110904.5	6/22/2007	1895323.0	2010-11-10
192821	GB	1220694.2	11/16/2012	2496973.0	2015-09-16
208493	GB	7113407.6	7/30/2007	1887352.0	2013-09-25
229538	GB	9731611.1	3/18/2009	2269274.0	2012-05-16
237071	GB	10737433.2	3/19/2012	2480858.0	2015-01-28
238021	GB	10712305.1	4/6/2010	2425205.0	2013-08-28
241245	GB	11168982.4	6/7/2011	2395347.0	2013-04-03
241249	GB	11175909.8	7/29/2011	2418478.0	2016-10-12
242669	GB	11159289.5	3/22/2011	2369216.0	2014-01-15
243926	GB	1114041.5	8/16/2011	2482968	2017-10-04
246091	GB	11191655.7	12/2/2011	2466253.0	2015-08-26
247779	GB	12156301.9	2/21/2012	2492695.0	2013-12-04
249211	GB	1214393.9	8/13/2012	2493833.0	2016-08-03
251170	GB	12183167.1	9/5/2012	2568057.0	2016-04-06
251286	GB	1308405.8	5/10/2013	2502440.0	2014-08-20
255365	GB	1301001.2	1/21/2013	2499709.0	2014-11-19
256941	GB	1222191.7	12/10/2012	2498065.0	2015-08-05
257095	GB	1221807.9	12/4/2012	2497418.0	2014-09-24
257095	GB	1410975.5	6/19/2014	2513032.0	2014-09-24
258284	GB	1400874.2	1/20/14	2511625	2015-01-28
258702	GB	1513225.1	7/28/15	2524697	2017-10-04
259367	GB	1507892.6	5/8/15	2521978	2017-05-31
260450	GB	1222630.4	12/14/12	2508908	2017-02-15
261594	GB	1507282.0	4/29/15	2521578	2018-06-13
261848	GB	1511143.8	6/24/15	2524918	2016-10-19
262322	GB	1406244.2	4/7/14	2515379	2015-09-09
263017	GB	1321182.6	12/2/13	2509389	2015-05-13

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264409	GB	1310526.7	6/13/13	2515073	2017-12-13
269296	GB	1601866.5	2/2/16		
275496	GB	2002746217.0	12/1/03	1407240	2005-12-07
247160	GC	2012/21564	6/20/2012		
252418	GC	2013/23618	2/20/2013		
251006	GE	AP20120128	10/15/2012	6083.0	2014-07-21
251151	GE	AP20120128	8/24/2012	P5995	2014-02-07
251172	GE	AP 2012	6/27/2012	P6020	2014-02-18
272314	HK	1401151.6	6/20/14	1401151.6	2014-10-31
265097A	HK	1401152.8	6/20/14	1401152.8	2014-10-31
267879A	HK	1401150.4	6/20/14	1401150.4	2015-01-23
260004	ID	P-00201405262	9/4/14	IDP000057830	
276147	ID	P00201702169	4/5/17		
260898	IL	232089.0	4/10/14	232089	2018-05-29
151133	IN	1511/DEL/206	6/26/2006		
189901	IN	0174/DEL/207	1/29/2007	282803	2017-04-26
214761	IN	1619/DEL/20	7/31/2007	290989	2017-12-22
225010	IN	1392/DEL/20	5/7/2012		
243533	IN	3326/DEL/20	11/22/2011		
243874	IN	544/DEL/201	2/27/2012		
243961	IN	2845/DEL/20	9/30/2011		
244402	IN	2369/DEL/20	8/19/2011		
245396	IN	2595/DEL/20	9/8/2011		
245621	IN	2036/DEL/20	6/29/2012		
246496	IN	3025/DEL/20	9/27/2012		
247777	IN	460/DEL/201	2/17/2012		
247779	IN	446/DEL/201	2/16/2012		
247834	IN	3337/DEL/20	11/23/2011		
248378	IN	268/DEL/201	1/31/2012		
248969	IN	1993/DEL/20	6/27/2012	308243	2019-02-27
248996	IN	1843/DEL/20	6/15/2012		
252793	IN	6225/CHENP	8/18/2014		
254165	IN	1223/CHE/20	3/29/2012	306790	2019-02-04
254165	IN	1224/CHE/20	3/29/2012		
256241	IN	4627/CHE/2011	12/28/11		
256406	IN	3515/DEL/20	11/14/2012		
256532	IN	8842/CHENP	12/5/2014		
257259	IN	4037/DEL/20	12/28/2012		
258072	IN	1155/DEL/20	4/18/2013		
258702	IN	4606/CHENP/2015	7/30/15		



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259367	IN	3137/CHENP/2015	5/29/15		
259463	IN	48/CHE/2014	1/6/14		
260004	IN	6265/CHENP/2014	8/19/14		
261594	IN	3044/CHENP/2015	5/26/15		
262673	IN	2319/CHENP/2015	4/23/15		
263041	IN	5345/CHE/2012	12/21/12		
263944	IN	4602/CHENP/2015	7/30/15		
264409	IN	2804/CHE/2014	6/9/14		
264975	IN	4031/DEL/2012	12/28/12		
264997	IN	4032/DEL/2012	12/28/12		
265314	IN	3233/CHE/2014	7/1/14		
268213	IN	251943.0	2/28/13	251943	2013-02-28
268270	IN	1942/CHE/2014	4/14/14		
269248	IN	5645/CHE/2014	11/10/14		
270105	IN	3815/CHE/2014	8/4/14		
270455	IN	3292/CHE/2014	7/3/14		
272314	IN	263390.0	6/16/14	263390	2015-03-11
272944	IN	737/CHE/2014	2/17/14		
273278	IN	201747005438.0	2/15/17	#N/A	
273420	IN	5087/CHE/2014	10/9/14		
274393	IN	5279/CHE/2014	10/22/14		
275773	IN	6231/CHE/2014	12/10/14		
278915	IN	201641020428.0	6/15/16		
281051	IN	6772/CHE/2015	12/18/15		
282964	IN	201641011090.0	3/30/16		
314402	IN	20174101254	4/7/2017		
265097A	IN	262876.0	5/26/14	262876	2015-02-12
267879A	IN	263391.0	6/16/14	263391	2014-06-16
268213A	IN	251942.0	2/28/13	251942	2013-02-28
143244	IT	5252183.8	4/7/2005	1586853.0	2015-12-09
222257	IT	CO2009A000	9/12/2009	1395581.0	2012-10-16
241245	IT	11168982.4	6/7/2011	2395347.0	2013-04-03
241249	IT	11175909.8	7/29/2011	2418478.0	2016-10-12
243926	IT	2011A00126	7/7/2011	1406877.0	2014-03-14
247160	IT	CO2011A000	6/21/2011	1406141.0	2012-08-29
275496	IT	2002746217.0	12/1/03	1407240	2005-12-07
132574	JP	2004-280788	9/28/2004	4934274.0	2012-02-24
151133	JP	2006-175215	6/26/2006	5314836.0	2013-07-12
153903	JP	2006-054635	3/1/2006	5112638.0	2012-10-19
153945	JP	2005-350087	12/5/2005	4864438.0	2011-11-18

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161362	JP	2006-298910	11/2/2006	5081430.0	2012-09-07
191115	JP	2007-175983	7/4/2007	5268297.0	2013-05-17
199694	JP	2007-164505	6/22/2007	5802360.0	2015-09-04
208493	JP	2007-204263	8/6/2007	5607868.0	2014-09-05
213875	JP	2007-163428	6/21/2007	5374030.0	2013-09-27
214761	JP	2007-208866	8/10/2007	5090821.0	2012-09-21
215322	JP	2010-531087	7/29/2008	5588346.0	2014-08-01
217584	JP	2009-128374	5/28/2009	5624285.0	2014-10-03
229390	JP	2009-234695	10/9/2009	5486892.0	2014-02-28
229538	JP	2011-504043	3/18/2009	5492188.0	2014-03-07
230502	JP	2011-507522	4/7/2009	5453395.0	2014-01-10
232339	JP	2009-243956	10/23/2009	5519997.0	2014-04-11
232416	JP	2010-002414	1/8/2010	5457842.0	2014-01-17
233436	JP	2011-539543	11/2/2009	5571688.0	2014-07-04
233696	JP	2011-536367	10/16/2009	5629265.0	2014-10-10
233706	JP	2010-009604	1/20/2010	5603603.0	2014-08-29
238984	JP	2010-289140	12/27/2010	5815943.0	2015-10-02
238985	JP	2010-289717	12/27/2010	5789099.0	2015-08-07
240850	JP	2011-000887	1/6/2011	5735807.0	2015-04-24
241245	JP	2011-125925	6/6/2011	5739731.0	2015-05-01
243265	JP	2011-020275	2/2/2011	5814553.0	2015-10-02
244483	JP	2011-171559	8/5/2011	5890628.0	2016-02-26
246080	JP	2011-156181	7/15/2011	5342608.0	2013-08-16
247160	JP	2014-516331	12/18/2013		
248458	JP	2012-117155	5/23/2012	6034057.0	2016-11-04
248476	JP	2012-044901	3/1/2012	6030837.0	2016-10-28
248838	JP	2012-047506	3/5/2012	6067234	2017-01-06
249643	JP	2012-205150	9/19/2012	6208933	2017-09-15
250606	JP	2016-568968	11/21/2016		
251006	JP	2012-228502	10/16/2012	6067317	2017-01-06
251170	JP	2012-193653	9/4/2012	6114519	2017-03-24
251449	JP	2013-005857	1/17/2013	6148469	2017-05-26
252557	JP	2015-550388	6/30/2015		
252793	JP	2014-559929	8/21/2014	6082760	2017-01-27
252821	JP	2014-011313	1/24/2014		
256160	JP	2014-249470	12/10/2014		
256866	JP	2015-525443	1/27/2015		
256941	JP	2012-272994	12/14/2012	6148461	2017-05-26
257377	JP	2013-093296	4/26/2013	6285107	2018-02-09
258072	JP	2013-087926	4/19/2013	6093229	2017-02-17

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258702	JP	2015-553749	7/16/15		
259638	JP	2015-546552	6/3/15		
260712	JP	2014-011927	1/27/14	6329376	2018-04-27
262210	JP	2015-550470	6/26/15		
262322	JP	2014-077432	4/4/14	6378522	2018-08-03
263585	JP	2015-547956	6/15/15	6310942	2018-03-23
263918	JP	2016-519525	12/10/15	6461931	2019-01-11
263944	JP	2015-552717	7/13/15		
264377	JP	2015-553735	7/17/15	6387017	2018-08-17
264392	JP	2015-553752	7/16/15	6389192	2018-08-24
264552	JP	2013-002456	2/8/13	1474657	2013-06-14
264838	JP	2014-049580	3/13/14	6310737	2018-03-23
264982	JP	2015-558021	8/12/15	6310946	2018-03-23
265053	JP	2015-550473	6/30/15	6329564	2018-04-27
265054	JP	2015-550401	6/26/15	6446369	2018-12-07
265055	JP	2015-550408	6/26/15	6416782	2018-10-12
265056	JP	2015-550441	6/29/15	6371308	2018-07-20
265097	JP	2014-168052	8/21/14		
265139	JP	2015-550469	6/26/15	6307095	2018-03-16
265210	JP	2015-553726	7/16/15		
265213	JP	2015-553748	7/17/15		
265306	JP	2015-555169	7/22/15	6442417	2018-11-30
265370	JP	2015-553730	7/14/15	6313786	2018-03-30
265419	JP	2015-555183	7/16/15		
265457	JP	2014-167046	8/20/14		
266204	JP	2016-529774	1/20/16	6506754	2019-04-05
267245	JP	2014-168974	8/22/14	6466099	2019-01-18
268344	JP	2016-531625	1/28/16	6435331	2018-11-16
268510	JP	2016-533327	2/2/16		
268587	JP	2017-505084	1/30/17		
269600	JP	2016-569803	11/25/16		
269636	JP	2014-126823	6/20/14	6454486	2018-12-21
269652	JP	2014-218799	10/28/14		
269713	JP	2016-516653	11/27/15		
270105	JP	2014-154366	7/30/14	6411807	2018-10-05
271167	JP	2014-188375	9/17/14		
271850	JP	2015-057030	3/20/15		
272314	JP	2014-013007	6/17/14	1525679	2015-05-01
273278	JP	2017-501362	1/11/17	#N/A	
274797	JP	2016-569841	11/25/16		

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275480	JP	2010511140.0	12/4/09	5424415	2013-12-06
275504	JP	2010533983.0	5/17/10	5201513	2013-02-22
275854	JP	2014-027413	12/9/14	1545028	2016-02-05
283827	JP	2017-105141	5/29/17		
284557	JP	2017-035730	2/28/17		
256160A	JP	2014-249471	12/10/2014	6446251	2018-12-07
256160AA	JP	2017-017233	2/2/2017		
256160B	JP	2017-012597	1/27/2017		
265097A	JP	2014-013436	6/20/14	1529341	2015-06-19
267879A	JP	2014-013437	6/20/14	1529342	2015-06-19
145770	KR	1.02005E+12	10/31/2005	101245404.0	2013-03-13
191115	KR	1.02007E+12	7/5/2007	10-1391642	2014-04-28
192775	KR	2007-81723	8/14/2007	10-1300433	2013-08-20
193450	KR	2007-5728	1/18/2007	10-1281221	2013-06-26
199694	KR	1.02007E+12	6/28/2007	10-1494899	2015-02-12
214761	KR	2007-	8/14/2007	10-1337170	2013-11-28
217584	KR	10200900469	5/28/2009	101483309.0	2015-01-09
230502	KR	2010-	4/7/2009	1180233.0	2012-08-30
256532	KR	10-2015-	1/6/2015		
260712	KR	2014-0010962	1/29/14		
264552	KR	3020130007609.0	2/14/13	30-0761864	2014-09-12
265306	KR	10-2015-7022367	8/19/15		
265370	KR	10-2015-7021824	8/12/15		
265419	KR	10-2015-7021720	8/11/15		
268103	KR	1020157035816.0	12/17/15		
273278	KR	10-2017-7003251	2/6/17	#N/A	
275506	KR	1020127024003.0	9/14/12	1844612	2018-03-27
313763	KR	10-2017-0065440	5/26/17		
256532	MX	MX/A/2014/0	12/5/2014	352428	2017-11-23
268920	MX	MX/A/2016/011032	8/24/16		
269248	MX	MX/A/2017/006077	5/9/17		
262673	MY	PI2015000737	3/24/15		
260004	NG	F/P/2014/000291	9/4/14		
276147	NG	NG/PT/C/2017/2176	3/28/17		
258284	NL	2012117.0	1/22/14	2012117	2014-09-10
242669	NO	11159289.5	3/22/2011	2369216.0	2014-01-15
243926	NO	20111108	8/10/2011	342975	2018-09-17
249211	NO	20120880	8/9/2012	342715	2018-07-30
269296	NO	20160148.0	2/2/16		
275480	NO	20072900.0	6/8/07	326583	2009-01-06

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275496	NO	20013509.0	7/13/01	314963	2003-06-16
275504	NO	20075913.0	11/19/07	326691	2009-01-26
275506	NO	20100383.0	3/16/10	334737	2014-05-19
275509	NO	20111218.0	9/8/11	333052	2013-02-25
275523	NO	20093171.0	10/19/09	333053	2013-02-15
226894	NZ	575181	2/26/2009	575181.0	2010-08-12
259605	NZ	611441.0	6/4/13	611441	2015-03-25
269100	NZ	553955.0	2/18/08	553955	2008-09-11
246112	PL	11189440.8	11/16/2011	2479548.0	
151133	RU	2006122745	6/26/2006	2411543.0	2011-02-10
192821	RU	2012149580	11/22/2012	2638158	2017-12-12
199694	RU	2007124650	6/29/2007	2422855.0	2011-06-27
214761	RU	2007131019	8/14/2007	2432552.0	2011-10-27
234302	RU	2011129424	7/18/2011	2560996.0	2015-08-20
245621	RU	2012128906	6/29/2012	2590321.0	2016-07-10
247160	RU	2013154031	12/5/2013	8689996	2014-04-08
251170	RU	2012138285	9/7/2012	2616769	2017-04-18
251176	RU	2012136584	8/28/2012	2631254	2017-09-20
255365	RU	2013103434	1/29/2013	2623224	2017-06-26
259367	RU	2015116951.0	5/6/15	2631495	2017-09-22
260004	RU	2014135032.0	8/28/14	2631954	2017-09-29
261594	RU	2015114785.0	4/21/15	2612727	2017-03-13
263918	RU	2015152258.0	12/7/15		
265306	RU	2015128655.0	7/15/15	2636413	2017-11-23
265370	RU	2015127502.0	7/9/15	2643786	2018-02-06
265419	RU	2015128652.0	7/15/15		
268587	RU	2017102702.0	1/27/17		
270099	RU	2016146326.0	11/25/16	2689452	2019-05-28
272314	RU	2014502397.0	6/19/14	94119	2015-06-09
273278	RU	2017100127.0	1/10/17	#N/A	
265097A	RU	2014502187.0	6/4/14	92916	2015-04-01
267879A	RU	2014502396.0	6/19/14	94669	2015-07-13
269248	SA	517381480.0	5/8/17		
276147	SA	517381246.0	4/4/17		
229544	SE	9171295	9/25/2009	2175256.0	2016-01-27
232416	SE	1050005-6	1/8/2010	1050005-6	2012-06-12
246091	SE	11191655.7	12/2/2011	2466253.0	2015-08-26
251170	SE	12183167.1	9/5/2012	2568057.0	2016-04-06
264982	SE	14704720.3	8/19/15	2957010	2016-10-05
192821	SG	201208397-8	11/15/2012	190539.0	2015-07-31

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255365	SG	2013004874	1/21/2013	192372.0	2015-07-27
262673	SG	11201502844P	4/10/15	11201502844P	2017-06-22
269296	SG	11201600398U	1/19/16	11201600398U	2018-10-26
265306	TW	103101021.0	1/10/14	1591367	2017-07-11
265370	TW	103100072.0	1/2/14	1589911	2017-07-01
265419	TW	103102161.0	1/21/14	1658287	2019-05-01
192821	UA	a 2012 12736/1	11/8/2012	117088	2018-06-25
255365	UA	a201300292	1/8/2013	117089	2018-06-25
126692	US	10/218522	8/15/2002	6869511.0	2005-03-22
128596	US	10/722771	11/26/2003	7068041.0	2006-06-27
128596	US	11/435646	5/17/2006	7423433.0	2006-06-27
132574	US	10/673598	9/29/2003	7092094.0	2006-08-15
132943	US	10/442070	5/21/2003	7062952.0	2006-06-20
132943	US	10/470636	1/6/2004	7056098.0	2006-06-20
132977	US	10/604080	6/25/2003	6865940.0	2005-03-15
134765	US	10/701534	11/6/2003	7285433.0	2007-10-23
135137	US	10/723196	11/26/2003	6873149.0	2005-03-29
135385	US	10/614897	7/9/2003	6876128.0	2005-04-05
136239	US	10/829585	4/22/2004	7739216.0	2010-06-15
136240	US	10/829528	4/22/2004	7831704.0	2010-11-09
137242	US	10/795980	3/10/2004	6912918.0	2005-07-05
137243	US	10/829529	4/22/2004	7676285.0	2010-03-09
137243	US	12/687266	1/14/2010	8509935.0	2010-03-09
137482	US	10/924067	8/23/2004	7144155.0	2006-12-05
138281	US	10/774491	2/10/2004	7338592.0	2008-03-04
138281	US	12/041190	3/3/2008	7862703.0	2008-03-04
141902	US	10/709619	5/18/2004	7412345.0	2008-08-12
141903	US	10/707097	11/20/2003	6955090.0	2005-10-18
143244	US	10/825185	4/16/2004	7256588.0	2007-08-14
143244	US	11/338744	1/25/2006	7084643.0	2007-08-14
145764	US	10/707944	1/27/2004	7035718.0	2006-04-25
145770	US	10/904258	11/1/2004	7069173.0	2006-06-27
148102	US	10/708690	3/18/2004	7120994.0	2006-10-17
148469	US	11/164689	12/1/2005	7525443.0	2009-04-28
148480	US	10/708691	3/18/2004	7270778.0	2007-09-18
148480	US	11/742875	5/1/2007	7530805.0	2007-09-18
150585	US	11/268731	11/8/2005	7325455.0	2008-02-05
151133	US	11/160500	6/27/2005	7335891.0	2008-02-26
153661	US	11/241049	9/30/2005	7490519.0	2009-02-17
153903	US	11/073110	3/4/2005	7202477.0	2007-04-10

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153945	US	11/012417	12/15/2004	7017418.0	2006-03-28
155504	US	10/859231	6/3/2004	6989679.0	2006-01-24
156581	US	11/243256	10/4/2005	7299700.0	2007-11-27
156581	US	11/876572	10/22/2007	7546771.0	2007-11-27
158681	US	11/467010	8/24/2006	7417332.0	2008-08-26
158681	US	12/163154	6/27/2008	7692324.0	2008-08-26
159842	US	11/515025	9/5/2006	7742434.0	2010-06-22
161362	US	11/266854	11/4/2005	7389692.0	2008-06-24
161362	US	12/104871	4/17/2008	7506546.0	2008-06-24
161972	US	11/465153	8/17/2006	7613840.0	2009-11-03
161982	US	11/193698	7/29/2005	8065131.0	2011-11-22
165095	US	11/116920	4/28/2005	7536364.0	2009-05-19
165467	US	11/247810	10/10/2005	7693212.0	2010-04-06
176378	US	11/300796	12/15/2005	7208742.0	2007-04-24
176399	US	11/178128	7/11/2005	7021147.0	2006-04-04
176572	US	11/269038	11/7/2005	7247979.0	2007-07-24
177716	US	11/247130	10/12/2005	7274023.0	2007-09-25
184878	US	11/324668	1/3/2006	8147211.0	2012-04-03
184882	US	11/324710	1/3/2006	7418355.0	2008-08-26
185758	US	11/420590	5/26/2006	7516940.0	2009-04-14
186140	US	11/297671	12/8/2005	7232955.0	2007-06-19
186140	US	11/749481	5/16/2007	7941917.0	2007-06-19
186140	US	13/083040	4/8/2011	8937245.0	2007-06-19
187878	US	11/424933	6/19/2006	7808233.0	2010-10-05
189413	US	11/304295	12/15/2005	7244955.0	2007-07-17
189413	US	11/756989	6/1/2007	7550754.0	2007-07-17
189901	US	11/307438	2/7/2006	7463995.0	2008-12-15
191115	US	11/481040	7/6/2006	7456411.0	2008-11-25
192775	US	11/504063	8/15/2006	8348628.0	2013-01-08
193450	US	11/335201	1/19/2006	7239133.0	2007-07-03
195375	US	11/714306	3/6/2007	8045776.0	2011-10-25
196414	US	11/617817	12/29/2006	7581453.0	2009-09-01
197153	US	11/654263	1/17/2007	7758743.0	2010-07-20
198313	US	11/276592	3/7/2006	7299683.0	2007-11-27
199694	US	11/479699	6/30/2006	7541589.0	2009-06-02
205253	US	11/724146	3/14/2007	7722779.0	2010-05-25
205400	US	11/680646	3/1/2007	8765643.0	
205475	US	11/856328	9/17/2007	7751530.0	2010-07-06
206604	US	11/999706	12/6/2007	7876093.0	2011-01-25
208493	US	11/502199	8/10/2006	7389206.0	2008-06-17



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213293	US	11/567818	12/7/2006	7523676.0	2009-04-28
213875	US	11/425789	6/22/2006	7335890.0	2008-02-26
214761	US	11/504064	8/15/2006	7377171.0	2008-05-27
214840	US	11/687931	3/19/2007	7559701.0	2009-07-14
215192	US	12/183679	7/31/2008	7852988.0	2010-12-14
215322	US	11/923881	10/25/2007	7877888.0	2011-02-01
216217	US	11/949423	12/3/2007	7800073.0	2010-09-21
217584	US	12/130977	5/30/2008	7783448.0	2010-08-24
220599	US	11/567761	12/7/2006	7752884.0	2010-07-13
220599	US	11/567763	12/7/2006	7752885.0	2010-07-13
220811	US	11/786532	4/12/2007	7771545.0	2010-08-10
222257	US	12/060899	4/2/2008	8047166.0	2011-11-01
224752	US	12/040511	2/29/2008	8099994.0	2012-01-24
225010	US	13/117639	5/27/2011	8656761.0	2014-02-25
225018	US	11/896156	8/30/2007	8015879.0	2011-09-13
225420	US	11/774215	7/6/2007	7984637.0	2011-07-26
226986	US	12/102079	4/14/2008	7595882.0	2009-09-29
227167	US	12/265322	11/5/2008	7832282.0	2010-11-16
228068	US	11/949095	12/3/2007	7626178.0	2009-12-01
228074	US	12/042800	3/5/2008	7969583.0	2011-06-28
228609	US	11/966138	12/28/2007	7602325.0	2009-10-13
229390	US	12/250154	10/13/2008	8676387.0	2014-03-18
229509	US	12/252435	10/16/2008	8344741.0	2013-01-01
229538	US	12/102397	4/14/2008	7819035.0	2010-10-26
229544	US	12/247002	10/7/2008	8049637.0	2011-11-01
229666	US	12/388088	2/18/2009	8812254.0	2014-08-19
229680	US	12/417996	4/3/2009	8115494.0	2012-02-14
229746	US	12/257870	10/24/2008	7711500.0	2010-05-04
229746	US	12/707375	2/17/2010	7890276.0	2010-05-04
230019	US	12/346471	12/30/2008	8161800.0	2012-04-24
230502	US	12/113614	5/1/2008	8042402.0	2011-10-25
230846	US	12/257561	10/24/2008	7818139.0	2010-10-19
230937	US	12/254850	10/21/2008	9364362.0	2016-06-14
231044	US	12/242636	9/30/2008	8113053.0	2012-02-14
231077	US	12/258710	10/27/2008	8264852.0	2012-09-11
231155	US	12/323599	11/26/2008	8175850.0	2012-05-08
231230	US	12/255192	10/21/2008	7827008.0	2010-11-02
231232	US	12/246680	10/7/2008	7944367.0	2011-05-17
231364	US	12/240316	9/29/2008	7874215.0	2011-01-25
232339	US	12/259715	10/28/2008	8041530.0	2011-10-18



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232416	US	12/355251	1/16/2009	7902532.0	2011-03-08
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233436	US	12/329978	12/8/2008	8422340.0	2013-04-16
233696	US	12/272174	11/17/2008	7658114.0	2010-02-09
233706	US	12/362878	1/30/2009	7970556.0	2011-06-28
234302	US	12/838742	7/19/2010	8165351.0	2012-04-24
234812	US	12/512402	7/30/2009	8297123.0	2012-10-30
234812	US	13/584385	8/13/2012	9038475.0	2012-10-30
234911	US	12/496825	7/2/2009	8054069.0	2011-11-08
234982	US	12/572460	10/2/2009	8203350.0	2012-06-19
235617	US	13/116930	5/26/2011	9869645	2018-01-16
235789	US	12/627293	11/30/2009	8790006.0	2014-07-29
235796	US	12/579894	10/15/2009	8624198.0	2014-01-07
236613	US	14/194880	3/3/2014		
237071	US	12/563403	9/21/2009	8436608.0	2013-05-07
237072	US	12/550885	8/31/2009	8324753.0	2012-12-04
237073	US	12/565537	9/23/2009	7975369.0	2011-07-12
237073	US	13/151871	6/2/2011	8857045.0	2011-07-12
237417	US	12/955157	11/29/2010	8453506.0	2013-06-04
237656	US	12/468759	5/19/2009	8342794.0	2013-01-01
237726	US	12/422426	4/13/2009	8084747.0	2011-12-27
237731	US	12/422454	4/13/2009	9606248	2017-03-28
237732	US	12/422716	4/13/2009	7952078.0	2011-05-31
237744	US	12/562166	9/18/2009	7964852.0	2011-06-21
237781	US	29/345132	10/9/2009	0636282	2011-04-19
237943	US	12/422566	4/13/2009	7910893.0	2011-03-22
238021	US	12/434357	5/1/2009	8286488.0	2012-10-16
238169	US	12/499819	7/9/2009	8217644.0	2012-07-10
238169	US	12/499816	7/9/2009	8421442.0	2012-07-10
238169	US	13/852500	3/28/2013	8773139.0	2012-07-10
238230	US	12/422777	4/13/2009	8129690.0	2012-03-06
238250	US	12/564404	9/22/2009	8080807.0	2011-12-20
238291	US	12/548978	8/27/2009	8162788.0	2012-04-24
238408	US	12/610048	10/30/2009	8159396.0	2012-04-17
238888	US	12/872907	8/31/2010	8535755.0	2013-09-17
238984	US	12/652116	1/5/2010	8264246.0	
238985	US	12/652120	1/5/2010	8121804.0	2012-02-21
240850	US	12/685388	1/11/2010	8511144.0	2013-08-20
241245	US	12/797653	6/10/2010	8054094.0	2011-11-08

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241560	US	12/779383	5/13/2010	8269399.0	2012-09-18
241580	US	12/782029	5/18/2010	8503190.0	2013-08-06
241625	US	13/404804	2/24/2012	9041716.0	2015-05-26
241739	US	12/619003	11/16/2009	8565364.0	2013-10-22
242300	US	12/759360	4/13/2010	8612182.0	2013-12-17
242447	US	12/887806	9/22/2010	8659392.0	2014-02-25
242447	US	14/177666	2/11/2014	9215556.0	2014-02-25
242669	US	12/731309	3/25/2010	8186643.0	2012-05-29
243352	US	12/979409	12/28/2010	8744048.0	2014-06-03
243478	US	12/892134	9/28/2010	8467994.0	2013-06-18
243533	US	12/955987	11/30/2010	8807959.0	2014-08-19
243807	US	13/077598	3/31/2011	8718979.0	2014-05-06
243874	US	13/040841	3/4/2011	8717773.0	2014-05-06
243922	US	12/870028	8/27/2010	8733188.0	2014-05-27
243926	US	12/858886	8/18/2010	7954387.0	2011-06-07
243958	US	12/862123	8/24/2010	8429985.0	2013-04-30
243961	US	12/899629	10/7/2010	8919209.0	2014-12-30
243962	US	12/868823	8/26/2010	8429983.0	2013-04-30
244402	US	12/875543	9/3/2010	8779301.0	2014-07-15
244411	US	12/885992	9/20/2010	8910143.0	2014-12-09
244479	US	12/781206	5/17/2010	8314399.0	2012-11-20
244483	US	12/852674	8/9/2010	8399850.0	2013-03-19
245396	US	12/888842	9/23/2010	8171797.0	2012-05-08
245619	US	13/222825	8/31/2011	8963562.0	2015-02-24
245621	US	13/173896	6/30/2011	8892379.0	2014-11-18
245716	US	12/951447	11/22/2010	8854052.0	2014-10-07
245966	US	12/951602	11/22/2010	8593156.0	2013-11-26
246037	US	12/951633	11/22/2010	8624603.0	2014-01-07
246080	US	12/840485	7/21/2010	8264129.0	2012-09-11
246080	US	13/337909	12/27/2011	8680745.0	2012-09-11
246091	US	12/970525	12/16/2010	8482456.0	2013-07-09
246162	US	12/951438	11/22/2010	8531191.0	2013-09-10
246496	US	13/289680	11/4/2011	8505364.0	2013-08-13
246573	US	13/572374	8/10/2012	8689996.0	2014-04-08
246924	US	13/409930	3/1/2012	9325343.0	2016-04-26
246961	US	13/033732	2/24/2011	8730316.0	2013-09-10
246968	US	13/093058	4/25/2011	8743514.0	
247160	US	14/127600	12/19/2013	932534362	2016-04-26
247466	US	13/359262	1/26/2012	8972206.0	2015-03-03

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247554	US	13/010026	1/20/2011	8742769.0	2014-06-03
247694	US	13/267610	10/6/2011	8611567.0	2013-12-17
247746	US	13/069509	3/23/2011	9041384.0	2015-05-26
247777	US	13/033234	2/23/2011	8836322.0	2014-09-16
247779	US	13/033249	2/23/2011	8710825.0	2014-04-29
247834	US	12/956456	11/30/2010	8793103.0	2014-07-29
247878	US	13/218825	8/26/2011	8515149.0	2013-08-20
248043	US	13/194157	7/29/2011	8769345.0	2014-07-01
248133	US	13/108447	5/16/2011	9027406.0	2015-05-12
248227	US	13/448691	4/17/2012	9188543.0	2015-11-17
248228	US	13/421553	3/15/2012	8868384.0	2014-10-21
248228	US	14/515426	10/15/2014	9274519.0	2014-10-21
248378	US	13/022808	2/8/2011	8287290.0	2012-10-16
248424	US	13/421483	3/15/2012	10289108	2019-05-14
248458	US	13/116887	5/26/2011	8683865.0	2014-04-01
248476	US	13/040678	3/4/2011	9013469.0	2015-04-21
248838	US	13/044971	3/10/2011	8322237.0	2012-12-04
248969	US	13/170443	6/28/2011	8519744.0	2013-08-27
248996	US	13/165537	6/21/2011	8706443.0	2014-04-22
249160	US	13/164835	6/21/2011	8674707.0	2014-03-18
249211	US	13/211821	8/17/2011	8547554.0	2013-10-01
249368	US	13/081220	4/6/2011	8411083.0	2013-04-02
249616	US	13/205371	8/8/2011	9932852	2018-04-03
249643	US	13/240754	9/22/2011	8853918.0	2014-10-07
249698	US	13/194671	7/29/2011	8523590.0	2013-09-03
249892	US	13/243427	9/23/2011	8502554.0	2013-08-06
250179	US	13/274152	10/14/2011	9354204.0	2016-05-31
250323	US	13/226940	9/7/2011	8732489.0	2014-05-20
250526	US	13/286010	10/31/2011	8884614.0	2014-11-11
250586	US	13/216873	8/24/2011	8838955.0	2014-09-16
250606	US	14/292648	5/30/2014	9633426	2017-04-25
250829	US	13/091464	4/21/2011	8635913.0	2014-01-28
250832	US	13/407962	2/29/2012	8902258.0	2014-12-02
250873	US	13/720097	12/19/2012	8844375.0	2014-09-30
251151	US	13/220053	8/29/2011	8409537.0	2013-04-02
251170	US	13/228478	9/9/2011	8502157.0	2013-08-06
251176	US	13/220071	8/29/2011	8445860.0	2013-05-21
251286	US	13/468059	5/10/2012	8991258.0	2015-03-31
251790	US	13/314963	12/8/2011	8511424.0	2013-08-20
251790	US	13/970136	8/19/2013	8746399.0	2013-08-20

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251910	US	13/281684	10/26/2011	8726739.0	2014-05-20
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252000	US	13/630373	9/28/2012	9069181.0	2015-06-30
252040	US	13/351187	1/16/2012	8922203.0	
252073	US	13/658841	10/24/2012	9213017.0	2015-12-15
252094	US	13/306437	11/29/2011	8768265.0	2014-07-01
252418	US	13/402495	2/22/2012	8626420.0	2014-01-07
252507	US	13/406841	2/28/2012	8861827.0	2014-10-14
252557	US	13/732261	12/31/2012	9152304.0	2015-10-06
252557	US	14/860668	9/21/2015	9489124.0	2015-10-06
252793	US	13/408025	2/29/2012	8844347.0	2014-09-30
252794	US	13/324795	12/13/2011	8742319.0	2014-06-03
252821	US	13/750582	1/25/2013	10025272	2018-07-17
252982	US	13/347232	1/10/2012	8919207.0	2014-12-30
253137	US	13/658392	10/23/2012	9032801.0	2015-05-19
253168	US	13/294515	11/11/2011	8829923.0	2014-09-09
253318	US	13/445953	4/13/2012	9863813	2018-01-09
253330	US	13/460721	4/30/2012	8726372.0	2014-05-13
253597	US	13/346328	1/9/12	9404871	2016-08-02
253715	US	13/589726	8/20/2012	9024950.0	2015-05-05
254156	US	13/399397	2/17/2012	9110000.0	2015-08-18
254162	US	13/362585	1/31/2012		
254734	US	13/709129	12/10/2012	8921715.0	2014-12-30
254896	US	13/416703	3/9/2012	9334752.0	2016-05-10
254896	US	15/092121	4/6/2016	933475282	2016-05-10
255365	US	13/358638	1/26/2012	8878135.0	2014-11-04
255449	US	13/888828	5/7/2013	9343055.0	2016-05-17
256091	US	13/735192	1/7/2013	9207213.0	2015-12-08
256160	US	14/108976	12/17/2013	9875574	2018-01-23
256234	US	29/404665	10/24/2011	0669379	2012-10-23
256234	US	13/279895	10/24/2011	8621936.0	2012-10-23
256362	US	13/477889	5/22/2012	9239317.0	2016-01-19
256406	US	13/483713	5/30/2012	9080427.0	
256532	US	14/405922	12/5/2014	9476271.0	2016-10-25
256531	US	14/396580	10/23/2014	9863893	2018-01-09
256649	US	13/562514	7/31/2012	9052350.0	2015-06-09
256675	US	13/629206	9/27/2012	9255970.0	2016-02-09
256683	US	13/462568	5/2/2012	9095056.0	2015-07-28
256749	US	13/305174	11/28/2011	8863033.0	2014-10-14
256862	US	13/445598	4/12/2012	8857261.0	2014-10-14

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257259	US	13/360350	1/27/2012	8575562.0	2013-11-05
257377	US	13/460779	4/30/2012	9046886.0	2015-06-02
257581	US	13/443530	4/10/2012	8905156.0	2014-12-09
257660	US	13/433433	3/29/2012	9024618.0	2015-05-05
257764	US	13/665066	10/31/2012	9958863	2018-05-01
257979	US	13/545873	7/10/2012	9322723.0	2016-04-26
258067	US	13/725091	12/21/2012	9881510	2018-01-30
258072	US	13/455830	4/25/2012	9003894.0	2015-04-14
258284	US	13/747522	1/23/13	9228888	2016-01-05
258284	US	14/956423	12/2/15		
258284	US	15/426234	2/7/17		
258702	US	13/746446	1/22/13	9665536	2017-05-30
258702	US	15/492272	4/20/17		
258741	US	13/873308	4/30/13	9250212	2016-02-02
258804	US	13/680183	11/19/12	9404896	2016-08-02
258804	US	15/176401	6/8/16	10126270	2016-08-02
258961	US	13/488731	6/5/12	9435690	2016-09-06
258968	US	13/537511	6/29/12	9086164	2015-07-21
259362	US	13/628066	9/27/12	9157895	2015-10-13
259362	US	14/838992	8/28/15	9442097	
259362	US	15/260861	9/9/16		
259367	US	13/677338	11/15/12	9347807	2016-05-24
259390	US	13/492435	6/8/12	9212946	2015-12-15
259463	US	13/736185	1/8/13	9068880	2015-06-30
259605	US	13/529412	6/21/12	8866316	2014-10-21
259638	US	13/706531	12/6/12	9335302	2016-05-10
259638	US	15/097348	4/13/16	9664651	
259638	US	15/488702	4/17/17	10175207	
259799	US	13/763612	2/8/13	8912766	2014-12-16
260147	US	13/685096	11/26/12	9666941	2017-05-30
260147	US	15/486751	4/13/17	10193223	
260216	US	13/592930	8/23/12	9244043	2016-01-26
260438	US	14/651781	6/12/15	9588309	2017-03-07
260450	US	14/650658	6/9/15	9998089	2018-06-12
260712	US	13/755036	1/31/13	9411056	2016-08-09
260832	US	13/672479	11/8/12	9052061	2015-06-09
260898	US	13/873374	4/30/13	9207214	2015-12-08

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Internal No	Country	App. No.	File Date	Grant No.	Grant Date
261594	US	13/668909	11/5/12	8978476	2015-03-17
261595	US	13/668984	11/5/12	9234777	2016-01-12
261669	US	13/729649	12/28/12	9146163	2015-09-29
261670	US	13/729468	12/28/12	9212958	2015-12-15
261759	US	13/671780	11/8/12	9118171	2015-08-25
261848	US	13/716960	12/17/12	9890598	2018-02-13
261947	US	13/800015	3/13/13	9538677	2017-01-03
262044	US	13/625505	9/24/12	8720963	2014-05-13
262098	US	13/707882	12/7/12	9177399	2015-11-03
262099	US	13/715585	12/14/12	9269171	2016-02-23
262209	US	13/732238	12/31/12		
262210	US	13/732252	12/31/12	9588515	2017-03-07
262284	US	29/424797	6/15/12	D689784	2013-09-17
262290	US	13/626395	9/25/12	9140586	2015-09-22
262322	US	13/859777	4/10/13	9347924	2016-05-24
262512	US	13/557939	7/25/12	9222917	2015-12-29
262739	US	13/678979	11/16/12	9488786	2016-11-08
262792	US	13/682148	11/20/12		
262902	US	13/903648	5/28/13	9588085	2017-03-07
262902	US	15/429417	2/10/17	10197540	
263041	US	14/278335	5/15/14	10024787	2018-07-17
263152	US	13/671681	11/8/12	9006570	2015-04-14
263230	US	13/750422	1/25/13	9791856	2017-10-17
263240	US	13/756330	1/31/13	10250463	2019-04-02
263556	US	13/688309	11/29/12	8704693	2014-04-22
263585	US	13/716330	12/17/12	9128191	2015-09-08
263585	US	14/815090	7/31/15	9720110	
263784	US	13/749023	1/24/13	9207639	2015-12-08
263786	US	13/741957	1/15/13	9042634	2015-05-26
263838	US	13/677486	11/15/12	9127928	2015-09-08
263918	US	13/916626	6/13/13	9000391	2015-04-07
263944	US	13/740850	1/14/13	9151651	2015-10-06
264009	US	13/755817	1/31/13	9342485	2016-05-17
264190	US	13/856470	4/4/13	9186048	2015-11-17
264369	US	13/747438	1/22/13		
264377	US	13/747435	1/22/13	9710573	2017-07-18
264387	US	13/747457	1/22/13	953790782	2017-01-03
264388	US	13/755168	1/31/13		
264392	US	13/747453	1/22/13	9954908	2018-04-24
264393	US	13/747429	1/22/13		

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264409	US	14/300250	6/10/14	9805453	2017-10-31
264470	US	13/756099	1/31/13	8963615	2015-02-24
264507	US	13/728302	12/27/12	9507484	2016-11-29
264507	US	15/349777	11/11/16		
264508	US	13/728368	12/27/12	9664492	2017-05-30
264552	US	29/435641	10/26/12	0690212	2013-09-24
264654	US	13/907551	5/31/13	9513316	2016-12-06
264798	US	13/922513	6/20/13	8970934	2015-03-03
264809	US	13/958495	8/2/13	9863854	2018-01-09
264811	US	13/958500	8/2/13	9195384	2015-11-24
264811	US	14/886618	10/19/15	10114535	
264938	US	13/669770	11/6/12	8869133	2014-10-21
264982	US	13/769225	2/15/13	9869997	2018-01-16
265053	US	13/732281	12/31/12		
265054	US	13/732293	12/31/12	8950004	2015-02-03
265054	US	14/611556	2/2/15	9436811	
265055	US	13/732309	12/31/12	9185161	2015-11-10
265056	US	13/732268	12/31/12	9003880	2015-04-14
265121	US	13/938172	7/9/13	9302888	2016-04-05
265139	US	13/732272	12/31/12	9581438	2017-02-28
265139	US	15/427929	2/8/17	10290206	2017-02-28
265140	US	13/892794	5/13/13		
265142	US	14/028906	9/17/13	9194509	2015-11-24
265210	US	13/747456	1/22/13	9641569	2017-05-02
265212	US	13/732327	12/31/12	9036892	2015-05-19
265213	US	13/747408	1/22/13		
265306	US	13/749771	1/25/13	9312109	2016-04-12
265314	US	13/937989	7/9/13		
265370	US	13/743535	1/17/13	9194962	2015-11-24
265419	US	13/749739	1/25/13	9721772	2017-08-01
265457	US	13/975500	8/26/13	9307672	2016-04-05
265490	US	13/759188	2/5/13	9188463	2015-11-17
265684	US	15/102424	6/7/16		
265954	US	29/440794	12/27/12	0711912	2014-08-26
265956	US	29/440802	12/27/12	0717811	2014-11-18
266182	US	13/929642	6/27/13	9285398	2016-03-15
266204	US	13/949010	7/23/13	9476823	2016-10-25
266204	US	15/282801	9/30/16		
266310	US	13/956276	7/31/13	9244042	2016-01-26
267176	US	14/024095	9/11/13	9658193	2017-05-23



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267245	US	13/975947	8/26/13	9354670	2016-05-31
267492	US	13/929687	6/27/13	9372249	2016-06-21
267588	US	14/073727	11/6/13		
267856	US	29/452510	4/17/13	D705102	2014-05-20
267879	US	14/010058	8/26/13	9638553	2017-05-02
268064	US	14/063749	10/25/13	9322806	2016-04-26
268103	US	13/898005	5/20/13	9158307	2015-10-13
268146	US	13/921905	6/19/13	9250149	2016-02-02
268188	US	14/051516	10/11/13	9259827	2016-02-16
268213	US	29/464354	8/15/13	D750561	2016-03-01
268270	US	15/304247	10/14/16	10,094,781	2018-10-09
268298	US	14/222757	3/24/14	9341532	2016-05-17
268299	US	13/954296	7/30/13	9512715	2016-12-06
268344	US	13/958209	8/2/13	9525852	2016-12-20
268418	US	14/196924	3/4/14	9683435	2017-06-20
268510	US	13/960832	8/7/13	9541947	2017-01-10
268510	US	15/363064	11/29/16		
268512	US	14/154909	1/14/14	9372106	2016-06-21
268522	US	13/852549	3/28/13	9692954	2017-06-27
268587	US	14/453749	8/7/14	9502155	2016-11-22
268587	US	15/298332	10/20/16	9788414	2016-11-22
268667	US	29/484162	3/6/14	D734271	2015-07-14
268667	US	29/529932	6/11/15	D780695	
268697	US	15/115602	7/29/16	10,107,786	2018-10-23
268905	US	14/035483	9/24/13	9395002	2016-07-19
268920	US	14/189492	2/25/14	9404623	2016-08-02
268923	US	14/151297	1/9/14	10,139,267	2018-11-27
269013	US	14/029938	9/18/13	9440341	2016-09-13
269023	US	13/910952	6/5/13	9229627	2016-01-05
269094	US	11/305420	12/16/05	7805281	2010-09-28
269094	US	12/891757	9/27/10	8219361	2010-09-28
269123	US	11/584462	10/20/06	7328121	2008-02-05
269149	US	14/109567	12/17/13	9476418	2016-10-25
269327	US	13/910962	6/5/13	9244453	2016-01-26
269382	US	13/907109	5/31/13		
269600	US	14/292771	5/30/14	9767096	2017-09-19
269636	US	13/927189	6/26/13	9063234	2015-06-23
269636	US	14/720868	5/25/15	9377544	
269652	US	14/073752	11/6/13	9772364	2017-09-26
269713	US	13/907867	6/1/13	9436652	2016-09-06



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269713	US	15/256150	9/2/16	9838426	
269785	US	14/104160	12/12/13	9618634	2017-04-11
269785	US	15/446116	3/1/17	9810797	
270099	US	14/287547	5/27/14	9580996	2017-02-28
270105	US	13/961935	8/8/13	9711709	2017-07-18
270394	US	13/946568	7/19/13	9389761	2016-07-12
270394	US	15/206701	7/11/16	10261678	
270420	US	14/141736	12/27/13		
270421	US	14/141729	12/27/13		
270466	US	14/936850	11/10/15	10,309,910	2019-06-04
270489	US	14/172371	2/4/14	9329763	2016-05-03
270607	US	14/061650	10/23/13	9176024	2015-11-03
270718	US	14/135528	12/19/13	9996058	2018-06-12
270740	US	14/194261	2/28/14	9896962	2018-02-20
271062	US	14/029426	9/17/13	9639056	2017-05-02
271167	US	14/036084	9/25/13	8921800	2014-12-30
271278	US	14/087202	11/22/13	9335427	2016-05-10
271348	US	14/231059	3/31/14		
271584	US	14/137160	12/20/13	9194797	2015-11-24
271589	US	14/177161	2/10/14	9618933	2017-04-11
271664	US	15/122490	8/30/16	9935796	2018-04-03
271850	US	14/225477	3/26/14		
272044	US	14/139860	12/23/13	9798030	2017-10-24
272112	US	15/102332	6/7/16	10,281,435	2019-05-07
272122	US	14/166562	1/28/14	9852837	2017-12-26
272314	US	29/477530	12/23/13	D735673	2015-08-04
272465	US	14/498579	9/26/14	10049367	2018-08-14
272829	US	14/564148	12/9/14	10,132,995	2018-11-20
272877	US	14/335816	7/18/14		
272936	US	14/230455	3/31/14	9625900	2017-04-18
272944	US	15/118491	8/12/16	10,163,217	2018-12-25
273096	US	14/258880	4/22/14	9671250	2017-06-06
273096	US	15/582136	4/28/17	10024645	
273097	US	14/258735	4/22/14	9745846	2017-08-29
273098	US	14/258509	4/22/14	9631955	2017-04-25
273194	US	14/272537	5/8/14	9535166	2017-01-03
273194	US	15/359823	11/23/16	9927534	
273205	US	14/231505	3/31/14	9857801	2018-01-02
273278	US	14/297277	6/5/14	9836817	2017-12-05
273320	US	14/249991	4/10/14	9429488	2016-08-30

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273461	US	14/251237	4/11/14	9568301	2017-02-14
273842	US	14/271104	5/6/14	9406174	2016-08-02
273842	US	15/218765	7/25/16	9672664	
273842	US	15/613460	6/5/17	10157506	
274399	US	14/226062	3/26/14	9250140	2016-02-02
274708	US	14/292680	5/30/14	9888167	2018-02-06
274714	US	14/292651	5/30/14	10,108,003	2018-10-23
274797	US	14/292840	5/31/14		
274848	US	14/260844	4/24/14	9911912	2018-03-06
274955	US	14/551296	11/24/14	9683675	2017-06-20
274955	US	15/590266	5/9/17	#N/A	
274956	US	14/543520	11/17/14	9797237	2017-10-24
275008	US	14/294215	6/3/14	9909911	2018-03-06
275070	US	14/251432	4/14/14	9448261	2016-09-20
275133	US	14/558170	12/2/14	9279666	2016-03-08
275380	US	15/449472	3/3/2017		
275480	US	12/663055	5/19/10	8276456	2012-10-02
275496	US	10/483398	1/12/04	6966229	2005-11-22
275504	US	12/743005	7/15/10	8122771	2012-02-28
275506	US	13/581968	10/25/12	9046435	2015-06-02
275509	US	14/239385	5/1/14	9400223	2016-07-26
275523	US	13/498292	6/12/12	9182307	2015-11-10
275576	US	14/474761	9/2/14	9515276	2015-12-06
275615	US	14/304180	6/13/14	9465008	2016-10-11
275689	US	14/669677	3/26/15	10,067,256	2018-09-04
275880	US	14/465410	8/21/14		
275918	US	14/483977	9/11/14		
275999	US	14/633697	2/27/15	9819134	2017-11-14
276276	US	14/494856	9/24/14	953090482	2016-12-27
276314	US	14/496831	9/25/14	10,288,058	2019-05-14
276919	US	14/567319	12/11/14	976427482	2017-09-19
277055	US	14/682856	4/9/15	9715989	2017-07-25
277851	US	14/491871	9/19/14	953029182	2016-12-27
277852	US	29/503114	9/23/14	D750519	2016-03-01
277900	US	14/824457	8/12/15		
278031	US	14/962199	12/8/15	9890183	2018-02-13
278083	US	15/240772	8/18/16	10,359,324	2019-07-23
278132	US	14/551240	11/24/14	9773584	2017-09-26
278677	US	14/731477	6/5/15	9553398	2017-01-24
278774	US	14/811642	7/28/15	9841836	2017-12-12

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278836	US	14/749390	6/24/15	10072889	2018-09-11
278838	US	14/634239	2/27/15	10001459	2018-06-19
278964	US	14/986001	12/31/15	10,078,143	2018-09-18
279062	US	14/686344	4/14/15	9618944	2017-04-11
279098	US	29/524979	4/24/15	0803232	2017-11-21
279140	US	14/957738	12/3/15		
279319	US	15/182264	6/14/16	10,302,687	2019-05-28
279542	US	14/818358	8/5/15	10,126,164	2018-11-13
279700	US	14/967913	12/14/15	10140741	2018-11-27
279781	US	14/683599	4/10/15	9777122	2017-10-03
279797	US	14/974862	12/18/15		
280708	US	14/922211	10/26/15	10030483	2018-07-24
280873	US	15/182207	6/14/16	10,262,404	2019-04-16
281172	US	14/969543	12/15/15	9802152	2017-10-31
281325	US	14/865533	9/25/15	10018465	2018-07-10
282025	US	14/982496	12/29/15	9945897	2018-04-17
282043	US	15/002042	1/20/16	10,209,706	2019-02-19
283021	US	14/977103	12/21/15		
283294	US	15/006201	1/26/2016	9957438	2018-05-01
283418	US	14/854828	9/15/15	10,275,402	2019-04-30
283687	US	14/942168	11/16/15		
284025	US	15/074537	3/18/16	10,183,289	2019-01-22
284557	US	15/070448	3/15/16	10298020	2019-05-21
284708	US	15/198502	6/30/16	952909781	2016-12-27
285056	US	15/068169	3/11/16		
285061	US	15/134668	4/21/16	9869607	2018-01-16
285099	US	15/197962	6/30/16		
285634	US	15/280551	9/29/16	10,260,378	2019-04-16
285640	US	15/253522	8/31/16	10,184,846	2019-01-22
285964	US	15/084058	3/29/16		
287236	US	15/280701	9/29/16	10,217,596	2019-02-26
312979	US	15/266636	9/15/16		
313142	US	15/252639	8/31/16		
313511	US	15/248180	8/26/16	10,267,693	2019-04-23
313918	US	15/332406	10/24/16	10,302,598	2019-05-28
314199	US	15/285412	10/4/16		
314230	US	15/441787	2/24/2017		
314708	US	15/457548	3/13/2017		
314830	US	15/397247	1/3/2017		
314834	US	15/457607	3/13/2017		

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Internal No	Country	App. No.	File Date	Grant No.	Grant Date
314875	US	15/457611	3/13/2017		
315232	US	15/415582	1/25/2017		
315406	US	62/463287	2/24/2017		
315564	US	15/367959	12/2/2016		
315624	US	15/440355	2/23/2017		
315992	US	15/449241	3/3/2017		
316482	US	15/459650	3/15/2017		
316718	US	15/492784	4/20/2017		
316720	US	15/491083	4/19/2017		
316831	US	15/458178	3/14/2017		
316833	US	15/433086	2/15/2017		
317037	US	15/591738	5/10/2017		
317126	US	15/378503	12/14/2016	10,185,021	2019-01-22
317203	US	15/490686	4/18/2017		
317569	US	15/418234	1/27/2017		
317691	US	15/476422	3/31/2017		
317704	US	15/485024	4/11/2017		
317705	US	15/484948	4/11/2017	10,370,927	2019-05-28
317814	US	15/474365	3/30/2017	10,370,927	2019-08-06
317831	US	15/474428	3/30/2017		
317963	US	15/464437	3/21/2017		
318093	US	15/598161	5/17/2017		
318442	US	15/598159	5/17/2017		
318567	US	15/598062	5/17/2017		
318614	US	15/598057	5/17/2017		
318781	US	15/586785	5/4/2017	10,169,979	2019-01-01
318782	US	29/602885	5/4/2017		
318796	US	15/606605	5/26/2017		
246924A	US	15/064992	3/9/2016	9559721	2017-01-31
248476A	US	14/660464	3/17/2015		
24R55907	US	09/418997	10/14/1999	6426504.0	2002-07-30
24R55946	US	09/259405	2/26/1999	6057917.0	2000-05-02
256160A	US	14/512835	10/13/2014	9600928	2017-03-21
256160AA	US	15/018587	2/8/2016	9842430	2017-12-12
256160B	US	15/018556	2/8/2016	9818039	2017-11-14
258961A	US	15/254126	9/1/16		
262049A	US	15/298109	10/19/16	9761027	2017-09-12
262878A	US	14/673178	3/30/15	9568117	2017-02-14
263974A	US	15/134150	4/20/16		
265097A	US	29/477553	12/23/13	0727179	2015-04-21

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Internal No	Country	App. No.	File Date	Grant No.	Grant Date
265140A	US	14/753604	6/29/15	9412189	2016-08-09
267879A	US	29/477539	12/23/13	D727756	2015-04-28
268213A	US	29/464350	8/15/13	D751987	2016-03-22
268512A	US	14/154931	1/14/14	9297679	2016-03-29
273320A	US	15/250557	8/29/16	10,094,720	2018-10-09
277055A	US	14/682890	4/9/15	9646801	2017-05-09
279266A	US	14/854663	9/15/15	9804106	2017-10-31
284025A	US	29/558581	3/18/16		
317846A	US	29/588994	12/27/2016	D822514	2018-07-10
279319	WO	PCT/US16/47688	6/14/17		
280873	WO	PCT/US16/62655	6/14/17		
282964	WO	PCT/US2017/026301	4/6/17		
283687	WO	PCT/US16/060509	11/4/16		
284025	WO	PCT/US2017/023132	3/20/17		
313510	WO	PCT/US17/32302	5/11/17		
313545	WO	PCT/US2017/029490	4/25/17		
313549	WO	PCT/US2017/034959	5/30/17		
314435	WO	PCT/US2017	3/23/2017		
248476A	WO	PCT/US2016	3/14/2016		
260004	ZA	2014/06787	9/17/14	2014/06787	2016-05-25