

PATENT ASSIGNMENT COVER SHEET

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NATURE OF CONVEYANCE:	ASSIGNMENT	
SEQUENCE:	2	
CONVEYING PARTY DATA		
	Name	Execution Date
	THOMSON LICENSING	01/04/2016
RECEIVING PARTY DATA		
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PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	13993701
CORRESPONDENCE DATA		
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SIGNATURE:	/Patricia A. Verlangieri, Reg.No. 42201/	
DATE SIGNED:	02/18/2017	
Total Attachments: 18		
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Confirmation of assignment of Patent Rights

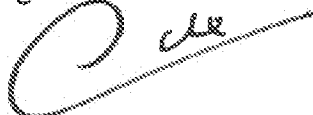
For good and valuable consideration, the receipt of which is hereby acknowledged, Thomson Licensing, SAS, a company duly organized under the laws of France, having offices at 1-5, rue Jeanne d'Arc, 92130 Issy les Moulineaux, France ("Assignor") hereby confirm that it has:

Assigned, with an effective date on January 4th, 2016, to Thomson Licensing DTV, SAS, a company duly organized under the laws of France, having offices at 1-5, rue Jeanne d'Arc, 92130 Issy les Moulineaux, France ("Assignee"), who accepted such assignment, and its successors, assigns, and legal representatives, Assignor's entire right, title and interest, including the right to sue for past and future infringement, collect past and future royalties and/or damages, and/or seek injunctive relief in the United States and all foreign countries, in and to the patents and patent applications listed in attachment A; in an to any and all inventions and improvements that are disclosed therein; in and to all divisional, continuation, substitute, renewal, reissue, and all other patent applications that have been or shall be filed in the United States and all foreign countries that are based upon the patents and patent applications listed in Attachment A; in and to all original and reissued patents that have been or shall be issued in the United States and all foreign countries based upon the patents and patent applications listed in Attachment A; and in and to all rights of priority based upon the patents and patent applications listed in Attachment A; and

agreed that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when reasonably requested by, without charge, but at the expense of said Assignee, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuation, substitute, renewal, reissue and all other patent applications on any and all said inventions and improvements and execute all rightful oaths, assignments and power of attorney required thereof.

Thomson Licensing, SAS

Signature:



Name: Adrien Cadieux

Title: Authorized Signatory

Thomson Licensing DTV, SAS

Signature:



Name: Adrien Cadieux

Title: President

Family	Application	Country	Protection Type	Fam 1st Prior Fil Date	FILINGDATE	FILINGNUMBER	PUBLICATIONDATE	PUBLICATIONNUMBER	GRANTDATE	GRANTNUMBER
PP660031	PP660031-US-NP	US	NP	31/07/1996 00:00:00	15/07/1997 00:00:00	09.832765			08/02/2000 00:00:00	6023262
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	Application	Country	Protection Type	Fam 1st Prior Fil Date	FLTINGDATE	FLTINGNUMBER	FLTINGDATE	FLTINGNUMBER	GRANTDATE	GRANTNUMBER
PI100043	PI100043-US-PCT	US	PCT	14/06/2011 00:00:00	14/06/2011 00:00:00	13/704246	11/04/2013 00:00:00	2013-0089155-A1		
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PI090038	PI090038-US-PCT	US	PCT	16/05/2008 00:00:00	12/05/2010 00:00:00	13/319719	01/03/2012 00:00:00	2012-0051421-A1	21/07/2015 00:00:00	9008782
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PP970013	PP970013-US-NP	US	NP	12/11/1997 00:00:00	13/11/1998 00:00:00	09/191656				
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PI010061	PI010061-US-PCT	US	PCT	12/31/2003 00:00:00	09/12/2004 00:00:00	10/493265	09/12/2004 00:00:00	2004-0247035-A1	05/04/2009 00:00:00	16876400
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PF100054	PF100054-US-PT	US	NP	16/09/2010 00:00:00	25/08/2011 00:00:00	13,199,982	31/01/2013 00:00:00	2013-0028511-A1	07/05/2013 00:00:00	8443543
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RC488321	RC488321-US-PT	US	NP	14/04/1997 00:00:00	05/10/1999 00:00:00	09,402,524			24/02/2009 00:00:00	7496946
RC488286	RC488286-US-PT	US	NP		17/08/1998 00:00:00	09,125,323			23/10/2001 00:00:00	6307597
RC488229	RC488229-US-PT	US	NP		12/03/1998 00:00:00	09,125,323			12/11/2001 00:00:00	6480238
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PI010179	PI010179-US-PT	US	NP	28/06/2001 00:00:00	22/06/2001 00:00:00	10,481,061	12/08/2004 00:00:00	2004-0165449-A1	22/05/2012 00:00:00	8184523
RC490167	RC490167-US-PT	US	PT	22/06/2001 00:00:00	22/12/1998 00:00:00	09,219,744	13/06/2002 00:00:00	2002-0073427-A1	29/07/2012 00:00:00	6601238
RC488873	RC488873-US-PT	US	NP	22/12/1998 00:00:00	28/04/2003 00:00:00	10,424,895	06/11/2003 00:00:00	2003-0203544-A1	20/01/2009 00:00:00	7479934
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PC020038	PC020038-US-PT	US	NP	04/05/2002 00:00:00	20/10/2004 00:00:00	10,969,929	21/04/2005 00:00:00	2005-0083439-A1	26/02/2008 00:00:00	7336320
PC030099	PC030099-US-PT	US	NP	01/10/2003 00:00:00	30/09/2005 00:00:00	11,146,773	29/01/2005 00:00:00	2005-0213868-A1	20/04/2010 00:00:00	8070216
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RC489647	RC489647-US-PT	US	NP	15/07/1999 00:00:00	08/12/2006 00:00:00	11,656,548	14/06/2007 00:00:00	2007-0133674-A1	03/09/2013 00:00:00	8525931
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PI060114	PI060114-US-PT	US	PT	16/10/2006 00:00:00	27/02/2007 00:00:00	12,311,174	07/01/2010 00:00:00	2010-0002761-A1		
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PI100180	PI100180-US-PT	US	NP	26/12/2011 00:00:00	23/11/2011 00:00:00	13,821,282	16/05/2013 00:00:00	2013-0128682-A1		
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PI110035	PI110035-US-PT	US	PT	24/06/2011 00:00:00	13/10/2010 00:00:00	13,503,026	25/04/2013 00:00:00	2013-0101040-A1		
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PI110032	PI110032-US-PT	US	NP	11/05/2010 00:00:00	09/10/2009 00:00:00	13,138,660	02/02/2012 00:00:00	2012-0030219-A1	28/04/2015 00:00:00	9020287
PI090096	PI090096-US-PT	US	DIV	14/04/2009 00:00:00	25/01/1996 00:00:00	08,591,075			07/11/2000 00:00:00	5713837
RC487953	RC487953-US-PT	US	NP	07/03/1996 00:00:00	17/08/1998 00:00:00	09,213,041			10/04/2004 00:00:00	6215424
RC488600	RC488600-US-PT	US	NP	16/12/1998 00:00:00	11/03/1999 00:00:00	09,266,430			11/06/2002 00:00:00	6404461
RC488969	RC488969-US-PT	US	NP	14/04/1998 00:00:00	11/03/1999 00:00:00	09,309,704			20/01/2004 00:00:00	6681209
PC980013	PC980013-US-PT	US	CFA	15/05/1998 00:00:00	30/10/2001 00:00:00	10,415,214	11/03/2004 00:00:00	2004-0047596-A1	21/07/2009 00:00:00	7565679
PC980029	PC980029-US-PT	US	CFA	31/10/2000 00:00:00	06/03/2003 00:00:00	10,383,356	04/03/2004 00:00:00	2004-0041949-A1	28/11/2006 00:00:00	8285727
PI020502	PI020502-US-PT	US	NP	06/03/2003 00:00:00	29/06/2004 00:00:00	10,432,146	26/07/2007 00:00:00	2007-0171687-A1	19/11/2010 00:00:00	7164925
PC000017	PC000017-US-PT	US	PT	07/07/2000 00:00:00	24/04/2003 00:00:00	10,513,333	13/10/2005 00:00:00	2005-0229225-A1	22/11/2010 00:00:00	8064755
PC020008	PC020008-US-PT	US	PT	08/05/2002 00:00:00	24/08/2004 00:00:00	10,569,168	25/01/2007 00:00:00	2007-0019724-A1	06/12/2011 00:00:00	8027948
PI030257	PI030257-US-PT	US	PT	26/08/2000 00:00:00	28/02/2005 00:00:00	10,592,820	05/01/2008 00:00:00	2008-0024273-A1	14/06/2011 00:00:00	7961785
PC400034	PC400034-US-PT	US	PT	12/03/2004 00:00:00	16/06/2005 00:00:00	11,145,460	30/08/2007 00:00:00	2007-0203695-A1	30/03/2010 00:00:00	7688871
PC400106	PC400106-US-PT	US	NP	05/07/2004 00:00:00	04/02/2005 00:00:00	11,595,468	05/05/2009 00:00:00	2009-0050891-A1	18/10/2010 00:00:00	8040439
PC040023	PC040023-US-PT	US	PT	17/02/2004 00:00:00	29/03/2006 00:00:00	12,225,641	08/07/2010 00:00:00	2010-0172441-A1	27/05/2014 00:00:00	8737566
PC040113	PC040113-US-PT	US	PT	29/03/2006 00:00:00	15/08/2007 00:00:00	11,893,556	20/12/2007 00:00:00	2007-0291183-A1	07/12/2010 00:00:00	7847866
RC489647	RC489647-US-PT	US	DIV	15/07/1999 00:00:00	06/08/2009 00:00:00	12,737,338	16/06/2011 00:00:00	2011-0142138-A1	13/05/2015 00:00:00	9032455
PI080124	PI080124-US-PT	US	PT	20/08/2008 00:00:00	07/11/2008 00:00:00	12,791,330	11/06/2009 00:00:00	2009-0147850-A1	08/10/2013 00:00:00	8553781
PI080136	PI080136-US-PT	US	NP	27/10/2008 00:00:00	28/05/2008 00:00:00	12,994,984	24/03/2010 00:00:00	2010-0065964-A1	15/10/2013 00:00:00	8559501
PI080725	PI080725-US-PT	US	NP	07/12/2007 00:00:00	09/06/2006 00:00:00	12,308,136	12/10/2009 00:00:00	2009-0279630-A1		
PI080807	PI080807-US-PT	US	PT	28/05/2006 00:00:00	24/08/2012 00:00:00	14,344,320	25/10/2012 00:00:00	2012-0265962-A1		
PC1006016	PC1006016-US-PT	US	PT	13/09/2011 00:00:00	08/11/2010 00:00:00	13,509,813	27/06/2012 00:00:00	2012-0041662-A1		
PC090121	PC090121-US-PT	US	NP	19/11/2009 00:00:00	18/12/2012 00:00:00	13,771,757	14/02/2013 00:00:00	2013-0041862-A1		
PI110111	PI110111-US-PT	US	NP	23/04/2011 00:00:00	25/05/2011 00:00:00	13,659,954	08/08/2013 00:00:00	2013-0059420-A1	07/07/2015 00:00:00	8943523
PI110096	PI110096-US-PT	US	PT	25/05/2010 00:00:00	29/04/2010 00:00:00	13,652,822	14/02/2013 00:00:00	2013-0059420-A1		
PI110041	PI110041-US-PT	US	PT	29/04/2010 00:00:00						
PC100017	PC100017-US-PT	US	PT	29/04/2010 00:00:00						

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PE100169	PE100169-US-PT	US	PT	29/07/2010 00:00:00	29/07/2010 00:00:00	13.810408	09/05/2013 00:00:00	2013-0114550-A1	21/04/2015 00:00:00	9014227
PE100041	PE100041-US-PT	US	PT	19/08/2010 00:00:00	08/08/2011 00:00:00	13.810720	15/08/2013 00:00:00	2013-0120892-A1		
PE1001049	PE1001049-US-PT	US	NP	20/02/2012 00:00:00	19/02/2013 00:00:00	13.770927	22/08/2013 00:00:00	2013-0214600-A1		
PE1009068	PE1009068-US-PT	US	PT	29/06/2009 00:00:00	28/06/2010 00:00:00	13.776620	05/04/2012 00:00:00	2012-0082397-A1	28/01/2014 00:00:00	8639056
PE1009079	PE1009079-US-PT	US	NP	29/06/2009 00:00:00	25/06/2010 00:00:00	12.803370	30/12/2012 00:00:00	2010-0329554-A1	10/01/2013 00:00:00	8346009
PE1000068	PE1000068-US-PT	US	NP	23/09/2010 00:00:00	13/08/2011 00:00:00	13.136657	29/01/2012 00:00:00	2012-0075419-A1		
PE1000045	PE1000045-US-PT	US	PT	16/02/2010 00:00:00	16/02/2011 00:00:00	13.577663	06/12/2012 00:00:00	2012-0307817-A1		
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PE1009142	PE1009142-US-PT	US	NP	15/11/1996 00:00:00	15/11/1996 00:00:00	09.0749714			21/09/1999 00:00:00	5956240
PE1009142	PE1009142-US-PT	US	NP	10/07/1997 00:00:00	09/04/1998 00:00:00	09.057546			29/08/2000 00:00:00	6111611
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PE1009142	PE1009142-US-PT	US	NP	16/06/2001 00:00:00	07/08/2002 00:00:00	10.204229	04/12/2003 00:00:00	2003-0223731-A1	28/12/2003 00:00:00	7860325
PE1009142	PE1009142-US-PT	US	NP	30/12/1999 00:00:00	30/12/1999 00:00:00	09.475448	16/12/2004 00:00:00	2004-0255042-A1	24/05/2011 00:00:00	7950032
PE1009142	PE1009142-US-PT	US	NP	15/04/2001 00:00:00	16/04/2002 00:00:00	10.474910	10/06/2004 00:00:00	2004-0109092-A1	23/08/2006 00:00:00	7167215
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PE1009142	PE1009142-US-PT	US	NP	30/10/2001 00:00:00	12/10/2002 00:00:00	10.494172	27/10/2005 00:00:00	2005-0240973-A1	11/12/2007 00:00:00	7307671
PE1009142	PE1009142-US-PT	US	NP	02/07/2004 00:00:00	02/07/2004 00:00:00	10.562733	14/09/2006 00:00:00	2006-0060780-A1	15/04/2014 00:00:00	8699564
PE1009142	PE1009142-US-PT	US	NP	26/01/2004 00:00:00	26/01/2004 00:00:00	10.587288	21/06/2007 00:00:00	2007-0139556-A1	15/09/2008 00:00:00	7590938
PE1009142	PE1009142-US-PT	US	NP	12/12/2005 00:00:00	12/12/2005 00:00:00	11.759349	04/06/2009 00:00:00	2009-0142033-A1	22/01/2013 00:00:00	8358917
PE1009142	PE1009142-US-PT	US	NP	18/05/2004 00:00:00	05/05/2005 00:00:00	11.556497	21/06/2009 00:00:00	2009-0043149-A1	09/08/2011 00:00:00	7995147
PE1009142	PE1009142-US-PT	US	NP	07/12/2005 00:00:00	26/10/2006 00:00:00	12.085257	24/09/2009 00:00:00	2009-0238280-A1	01/01/2013 00:00:00	8345762
PE1009142	PE1009142-US-PT	US	NP	18/02/2005 00:00:00	14/02/2006 00:00:00	11.884558	05/03/2009 00:00:00	2009-0028245-A1	19/08/2014 00:00:00	8810734
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RCAB9883	RCAB9883-US-NP	US	NP	07/08/1998 00:00:00	09.130977			15/05/2001 00:00:00	6230320
PF990072	PF990072-US-NP	US	NP	10/11/1999 00:00:00	09/06664			04/11/2008 00:00:00	7448059
PL101014	PL101014-US-NP	US	NP	29/06/2001 00:00:00	09/989666	02/01/2013 00:00:00	2003-0001881-A1	06/07/2010 00:00:00	7752546
PF980059	PF980059-US-FCT	US	NP	07/09/1998 00:00:00	09/786432			05/08/2008 00:00:00	7408987
PA100002	PA100002-US-FCT	US	FCT	14/02/2001 00:00:00	04/407202 00:00:00	08/04/2004 00:00:00	2004-0066402-A1	02/12/2008 00:00:00	740678
RCAB9348	RCAB9348-US-NP	US	NP	25/05/1999 00:00:00	09.506873			04/04/2006 00:00:00	7024676
PF1010026	PF1010026-US-NP	US	NP	14/03/2001 00:00:00	09.086603			09/10/2006 00:00:00	7206600
RCAB9790	RCAB9790-US-NP	US	NP	11/01/2000 00:00:00	09.481040	19/09/2002 00:00:00	2002-0131507-A1	2002-0131507-A1	6166926
PD960030	PD960030-US-GPA	US	GPA	15/05/1996 00:00:00	09.326642	25/07/2002 00:00:00	2002-0098822-A1	01/04/2003 00:00:00	6542725
PL101013	PL101013-US-FCT	US	FCT	21/12/2001 00:00:00	16.122002 00:00:00	10/03/2003 00:00:00	2005-0054315-A1	28/08/2007 00:00:00	7263469
PL101018	PL101018-US-FCT	US	FCT	04/04/2002 00:00:00	03/042003 00:00:00	27/07/2006 00:00:00	2006-0160408-A1	03/04/2007 00:00:00	7195962
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PF1020098	PF1020098-US-FCT	US	FCT	30/07/2002 00:00:00	21/072003 00:00:00	18/06/2007 00:00:00	2007-0146224-A1	12/01/2006 00:00:00	7449392
PL1020398	PL1020398-US-FCT	US	FCT	14/10/2003 00:00:00	12/102004 00:00:00	15/03/2007 00:00:00	2007-0095866-A1	16/03/2010 00:00:00	7600356
PL1040276	PL1040276-US-FCT	US	FCT	07/01/2005 00:00:00	12/122004 00:00:00	24/04/2008 00:00:00	2008-0093452-A1	12/07/2010 00:00:00	5908732
PF1050026	PF1050026-US-FCT	US	FCT	03/09/2004 00:00:00	26/082005 00:00:00	20/11/2008 00:00:00	2008-0288438-A1	15/11/2011 00:00:00	8059202
PL1040245	PL1040245-US-FCT	US	FCT	06/04/2004 00:00:00	20/032005 00:00:00	11/473772	2008-0084514-A1		
PF1040055	PF1040055-US-FCT	US	FCT	06/04/2004 00:00:00	20/032005 00:00:00	11/473772	2008-0084514-A1		
PA050015	PA050015-US-FCT	US	FCT	29/09/2005 00:00:00	07/092206 00:00:00	11/992702	2009-0285289-A1	2010-0166071-A1	12/06/2012 00:00:00
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PF1070032	PF1070032-US-FCT	US	FCT	29/03/2008 00:00:00	26/012007 00:00:00	11/698460	2007-0142659-A1	21/12/2010 00:00:00	7856557
RCAB98027	RCAB98027-US-DNT1	US	DNT	25/03/1998 00:00:00	10.112008 00:00:00	31/05/2007 00:00:00	2009-0133072-A1	24/06/2014 00:00:00	8783046
RCAB98003	RCAB98003-US-FCT	US	FCT	30/06/1999 00:00:00	10.112008 00:00:00	12/291531	2009-0133072-A1		
PF1080065	PF1080065-US-FCT	US	FCT	25/04/2008 00:00:00	09/012009 00:00:00	12/783142	2011-0004689-A1	14/04/2015 00:00:00	9008174
PF1080002	PF1080002-US-FCT	US	FCT	10/01/2008 00:00:00	29/052008 00:00:00	12/783226	2009-0296735-A1	08/05/2012 00:00:00	8174972
RCAB98078	RCAB98078-US-NP	US	NP	29/05/2008 00:00:00	09/012009 00:00:00	12/783226	2009-0296735-A1		
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PL110014	PL110014-US-FCT	US	FCT	29/12/2011 00:00:00	27/122011 00:00:00	14/313173	04/12/2014 00:00:00	2014-0358670-A1	15/07/2014 00:00:00
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PL100248	PL100248-US-FCT	US	FCT	12/09/2010 00:00:00	09/082011 00:00:00	13/621082	04/07/2013 00:00:00	2013-0175568-A1	
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PL100031	PL100031-US-FCT	US	FCT	12/07/2010 00:00:00	12/032010 00:00:00	13/138585	12/01/2012 00:00:00	2012-0304231-A1	87936731
RCAB8469	RCAB8469-US-FCT	US	FCT	14/04/1997 00:00:00	23/091997 00:00:00	09/402517	29/12/2011 00:00:00	2011-031750-A1	8867634
RCAB89007	RCAB89007-US-FCT	US	FCT	17/04/1998 00:00:00	16/041999 00:00:00	09/623041		12/05/2009 00:00:00	7533400
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RCAB88225	RCAB88225-US-NP	US	NP	15/10/1996 00:00:00	23/031999 00:00:00	09/142907		12/09/2000 00:00:00	6118894
RCAB88211	RCAB88211-US-NP	US	NP	15/11/1996 00:00:00	15/111996 00:00:00	08/748249		18/08/1998 00:00:00	5728966
RCAB8512	RCAB8512-US-NP	US	NP	02/12/1996 00:00:00	02/121996 00:00:00	08/759319		29/02/2000 00:00:00	6313195
PL100149	PL100149-US-NP	US	NP	15/12/2000 00:00:00	15/122000 00:00:00	09/737653		20/07/2004 00:00:00	6760262
PL100081	PL100081-US-NP	US	NP	10/05/2001 00:00:00	10/052001 00:00:00	09/653001		23/05/2006 00:00:00	7050806
PF1010036	PF1010036-US-NP	US	NP	17/04/2001 00:00:00	10/042002 00:00:00	10/1159606	11/10/2012 00:00:00	2002-0151330-A1	
PL1002044	PL1002044-US-FCT	US	NP	26/02/2002 00:00:00	26/022002 00:00:00	10/083865	28/08/2003 00:00:00	2003-0163820-A1	7401348
RCAB97783	RCAB97783-US-FCT	US	FCT	08/09/1999 00:00:00	08/092000 00:00:00	10/060332		28/06/2005 00:00:00	6691947
RCAB99882	RCAB99882-US-NP	US	NP	05/01/2000 00:00:00	23/082000 00:00:00	09/644332		16/05/2006 00:00:00	7042713
PL100216	PL100216-US-FCT	US	FCT	16/04/2002 00:00:00	10/042003 00:00:00	10/511398	30/06/2005 00:00:00	2005-0141629-A1	30/10/2007 00:00:00
PL1010287	PL1010287-US-NP	US	NP	31/01/2002 00:00:00	24/012003 00:00:00	10/247954	31/07/2003 00:00:00	2003-0145337-A1	7369180
PL1002076	PL1002076-US-NP	US	NP	14/06/2002 00:00:00	14/062002 00:00:00	10/251129	18/12/2003 00:00:00	2003-0231441-A1	6207603
PD030134	PD030134-US-FCT	US	FCT	17/12/2003 00:00:00	14/122004 00:00:00	10/683428	01/11/2007 00:00:00	2007-0252733-A1	7293799
PL1001083	PL1001083-US-FCT	US	FCT	18/12/2003 00:00:00	05/122002 00:00:00	10/699233	02/06/2005 00:00:00	2005-0156694-A1	7248485
PL1030164	PL1030164-US-FCT	US	FCT	25/06/2003 00:00:00	17/062004 00:00:00	10/560567	31/08/2006 00:00:00	2006-0193385-A1	
PL1040285	PL1040285-US-NP	US	NP	18/10/2004 00:00:00	07/102005 00:00:00	11/246474	20/04/2006 00:00:00	2006-0083131-A1	06/09/2011 00:00:00
RCAB94035	RCAB94035-US-FCT	US	FCT	30/01/2005 00:00:00	11/012005 00:00:00	10/586123	05/07/2007 00:00:00	2007-01539892-A1	8014558
RCAB94017	RCAB94017-US-DVT1	US	DVT	20/08/1999 00:00:00	28/072006 00:00:00	11/495255	23/11/2006 00:00:00	2006-0263056-A1	9071840
PL1006190	PL1006190-US-FCT	US	FCT	13/10/2006 00:00:00	12/102007 00:00:00	12/311481	07/01/2010 00:00:00	2010-0002762-A1	
PL1060233	PL1060233-US-FCT	US	FCT	17/11/2006 00:00:00	17/112006 00:00:00	12/514636	31/12/2009 00:00:00	2009-0322860-A1	8537968
PL1080157	PL1080157-US-FCT	US	FCT	15/12/2007 00:00:00	14/102008 00:00:00	12/734173	19/08/2010 00:00:00	2010-0208809-A1	8739594
PF1070132	PF1070132-US-NP	US	NP	14/12/2007 00:00:00	14/122008 00:00:00	12/316248	18/06/2009 00:00:00	2009-0154561-A1	8257858
PF1070031	PF1070031-US-FCT	US	FCT	27/06/2007 00:00:00	27/062007 00:00:00	12/452293	03/06/2010 00:00:00	2010-0135393-A1	27/05/2014 00:00:00
PD060030	PD060030-US-FCT	US	FCT	07/09/2006 00:00:00	07/092006 00:00:00	12/732355	12/40/2011 00:00:00	2011-00044386-A1	8353552
PF100045	PF100045-US-FCT	US	FCT	15/06/2010 00:00:00	07/062011 00:00:00	13/704599	15/08/2013 00:00:00	2013-0208807-A1	
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PL100062	PL100062-US-FCT	US	FCT	01/04/2010 00:00:00	01/042011 00:00:00	13/634981	10/01/2013 00:00:00	2013-0010062-A1	
PF110029	PF110029-US-NP	US	FCT	13/10/2011 00:00:00	15/102012 00:00:00	13/651554	18/04/2013 00:00:00	2013-00997372-A1	8737474
PL100027	PL100027-US-FCT	US	FCT	21/07/2011 00:00:00	21/072011 00:00:00	13/610224	05/12/2013 00:00:00	2013-0120544-A1	
PL100219	PL100219-US-FCT	US	FCT	15/02/2011 00:00:00	15/022011 00:00:00	13/685365	05/12/2013 00:00:00	2013-0322544-A1	

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PE110186	PE110186-US-PT	US	PT	23/03/2013 00:00:00	01/03/2013 00:00:00	14/386338				
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PA100109	PA100109-US-PT	US	PT	20/08/2009 00:00:00	12/08/2010 00:00:00	13/380994	05/07/2012 00:00:00	2012-0134426-A1		
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PA100046	PA100046-US-PT	US	PT	10/09/2009 00:00:00	10/09/2010 00:00:00	12/807440	08/12/2011 00:00:00	2011-0058608-A1	19/05/2015 00:00:00	9036702
PA100029	PA100029-US-PT	US	PT	19/02/2009 00:00:00	19/02/2010 00:00:00	13/138459	04/10/2012 00:00:00	2011-0298895-A1		
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RC188429	RC188429-US-PT	US	NP	16/07/1996 00:00:00	22/03/1999 00:00:00	09/254961				
RC188353	RC188353-US-PT	US	NP	25/03/1996 00:00:00	10/04/1997 00:00:00	08/635915				
RC188230	RC188230-US-PT	US	NP	27/04/1998 00:00:00	08/04/1999 00:00:00	09/288180				
PE100025	PE100025-US-PT	US	NP	22/04/1998 00:00:00	19/04/1999 00:00:00	09/294157				
RC188813	RC188813-US-PT	US	PT	15/07/1999 00:00:00	13/07/2000 00:00:00	10/030601				
PE100097	PE100097-US-PT	US	NP	30/12/1999 00:00:00	18/12/2000 00:00:00	09/739147	20/09/2001 00:00:00	2001-0022628-A1		
RC189203	RC189203-US-PT	US	PT	30/09/1999 00:00:00	30/09/1999 00:00:00	09/806214				
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RC189700	RC189700-US-PT	US	PT	19/07/1999 00:00:00	19/07/2000 00:00:00	10/031176				
RC189925	RC189925-US-PT	US	PT	04/11/1999 00:00:00	03/11/2000 00:00:00	10/129445				
PE100033	PE100033-US-PT	US	NP	09/03/2004 00:00:00	29/03/2004 00:00:00	10/767886	23/09/2004 00:00:00	2004-0183621-A1		
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PE100482	PE100482-US-PT	US	PT	26/11/2002 00:00:00	12/11/2003 00:00:00	10/535979	04/05/2006 00:00:00	2006-0096233-A1	16/08/2011 00:00:00	8001289
PE100124	PE100124-US-PT	US	PT	27/09/2002 00:00:00	12/09/2003 00:00:00	10/528729	02/02/2006 00:00:00	2006-0023944-A1	28/07/2009 00:00:00	7567288
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CT1998003	CT1998003-US-DIV11	US	DIV	25/03/2003 00:00:00	28/09/2004 00:00:00	10/935823	24/02/2005 00:00:00	2005-0041955-A1	24/05/2011 00:00:00	7760986
PE100141	PE100141-US-PT	US	PT	05/05/2003 00:00:00	24/04/2004 00:00:00	10/555617	12/10/2006 00:00:00	2006-0227501-A1	24/09/2011 00:00:00	8542733
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PE100209	PE100209-US-PT	US	PT	15/07/2003 00:00:00	02/03/2004 00:00:00	10/564662	27/02/2006 00:00:00	2006-0165175-A1	10/01/2012 00:00:00	8094718
PE100135	PE100135-US-PT	US	PT	12/03/2003 00:00:00	12/01/2005 00:00:00	10/592627	30/08/2007 00:00:00	2007-0201557-A1	06/10/2009 00:00:00	8306107
PE100119	PE100119-US-PT	US	NP	20/12/2003 00:00:00	29/11/2005 00:00:00	11/605995	31/12/2006 00:00:00	2007-0158305-A1	06/10/2009 00:00:00	8306107
PE100042	PE100042-US-PT	US	PT	25/10/2005 00:00:00	28/10/2006 00:00:00	12/311922	07/12/2006 00:00:00	2006-0252804-A1	05/11/2012 00:00:00	8462939
PE100291	PE100291-US-PT	US	PT	28/11/2007 00:00:00	14/02/2012 00:00:00	13/712487	20/08/2013 00:00:00	2013-0155968-A1	09/07/2013 00:00:00	9008307
PE110098	PE110098-US-PT	US	NP	19/12/2011 00:00:00	14/02/2012 00:00:00	13/719310	20/08/2013 00:00:00	2013-0155968-A1		
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PE100117	PE100117-US-PT	US	PT	19/01/2009 00:00:00	19/01/2011 00:00:00	13/522342	20/12/2012 00:00:00	2012-0320838-A1		
PE100020	PE100020-US-PT	US	PT	03/03/2010 00:00:00	12/02/2011 00:00:00	13/138516	22/11/2012 00:00:00	2012-0312276-A1		
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PE100062	PE100062-US-PT	US	PT	31/12/1999 00:00:00	30/12/1998 00:00:00	09/582395				
PE100094	PE100094-US-PT	US	NP	28/12/1999 00:00:00	20/12/2000 00:00:00	09/741533	28/05/2001 00:00:00	2001-0005418-A1	01/07/2003 00:00:00	6587569
PE100144	PE100144-US-PT	US	NP	30/11/2000 00:00:00	27/06/2001 00:00:00	09/893136	30/05/2002 00:00:00	2002-0063793-A1	14/12/2004 00:00:00	6631701
PE100126	PE100126-US-PT	US	NP	26/05/2000 00:00:00	15/11/2000 00:00:00	09/712887				
PE100055	PE100055-US-PT	US	NP	30/11/1998 00:00:00	01/05/1998 00:00:00	09/068188	27/06/2002 00:00:00	2002-0080160-A1	20/12/2011 00:00:00	8082355
RC189346	RC189346-US-PT	US	NP	22/12/1999 00:00:00	22/12/1999 00:00:00	09/471074				
PE100166	PE100166-US-PT	US	NP	19/12/2000 00:00:00	19/12/2000 00:00:00	09/470115	20/06/2002 00:00:00	2002-0075664-A1	18/11/2003 00:00:00	6650248
PE100099	PE100099-US-PT	US	NP	08/05/2001 00:00:00	13/12/2001 00:00:00	10/020421	12/12/2002 00:00:00	2002-0186325-A1	24/04/2007 00:00:00	7209187
PE100205	PE100205-US-PT	US	NP	01/03/2002 00:00:00	01/03/2002 00:00:00	10/086650	04/09/2003 00:00:00	2003-0165325-A1	12/12/2006 00:00:00	7149412
PE1002051	PE1002051-US-PT	US	NP	13/05/2002 00:00:00	13/05/2002 00:00:00	10/144495	13/11/2003 00:00:00	2003-0210792-A1	11/05/2004 00:00:00	6735314
PE100201	PE100201-US-PT	US	PT	11/04/2002 00:00:00	02/04/2003 00:00:00	10/510605	20/10/2005 00:00:00	2005-0235331-A1	30/04/2013 00:00:00	8434124
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PE100123	PE100123-US-PT	US	NP	31/07/2003 00:00:00	02/08/2004 00:00:00	10/090913	31/03/2005 00:00:00	2005-0068260-A1	05/08/2008 00:00:00	6970504
PE1003270	PE1003270-US-PT	US	PT	17/09/2003 00:00:00	02/09/2004 00:00:00	10/569695	28/12/2006 00:00:00	2006-0291557-A1	05/08/2008 00:00:00	7408542
CT1970278	CT1970278-US-INT11	US	CNT	24/07/1997 00:00:00	24/01/2000 00:00:00	09/499676				
PE100263	PE100263-US-PT	US	PT	23/09/2004 00:00:00	23/09/2005 00:00:00	11/658045	22/05/2008 00:00:00	2008-0120637-A1	15/11/2005 00:00:00	8094711
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PE1005013	PE1005013-US-PT	US	PT	14/04/2005 00:00:00	14/04/2005 00:00:00	11/887192	26/02/2009 00:00:00	2009-0055189-A1	23/11/2010 00:00:00	7840142
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PE100498	PE100498-US-PT	US	PT	02/04/2004 00:00:00	03/03/2005 00:00:00	11/593356	11/11/2008 00:00:00	2008-0304567-A1	03/12/2010 00:00:00	8213508
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PE10050242	PE10050242-US-PT	US	PT	19/10/2005 00:00:00	17/10/2006 00:00:00	11/918556	28/01/2010 00:00:00	2010-0168997-A1	07/08/2012 00:00:00	8238439
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PE1007067	PE1007067-US-PT	US	PT	16/03/2007 00:00:00	16/03/2007 00:00:00	12/430315	12/04/2010 00:00:00	2010-0089193-A1	26/02/2013 00:00:00	8385473
PE1006267	PE1006267-US-PT	US	PT	28/12/2006 00:00:00	19/12/2007 00:00:00	12/448184	18/03/2010 00:00:00	2010-0066912-A1	10/09/2013 00:00:00	8532198

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PR070215	PR070215-US-PT	US	PT	05/02/2008 00:00:00	15/01/2009 00:00:00	12/735665	30/12/2010 00:00:00	2010-0329334-A1	10/02/2015 00:00:00	8953679
PR070278	PR070278-US-PT	US	PT	18/09/2007 00:00:00	04/02/2008 00:00:00	12/733707	23/09/2010 00:00:00	2010-0238109-A1		
PR100139	PR100139-US-PT	US	PT	15/11/2007 00:00:00	12/11/2008 00:00:00	13/805500	14/10/2010 00:00:00	2010-0260271-A1	04/08/2015 00:00:00	9098902
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RCAB8452	RCAB8452-US-NP	US	NP	30/06/1997 00:00:00	30/06/1997 00:00:00	08/884947				
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RCAB90009	RCAB90009-US-PT	US	PT	24/03/2001 00:00:00	08/03/2001 00:00:00	10/229310	13/03/2003 00:00:00	2003-0078957-A1	25/11/2003 00:00:00	6653813
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PUI01032	PUI01032-US-NP	US	NP	21/12/2001 00:00:00	21/12/2001 00:00:00	10/029645	26/06/2003 00:00:00	2003-0119440-A1	23/09/2008 00:00:00	7428403
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PUI040373	PUI040373-US-PCT	US	PCT	05/01/2005 00:00:00	26/01/2005 00:00:00	11/831924	10/12/2009 00:00:00	2009-0007189-A1	30/04/2013 00:00:00	8434120
PUI040071	PUI040071-US-PCT	US	PCT	09/03/2004 00:00:00	13/08/2004 00:00:00	11/0592224	14/06/2007 00:00:00	2007-0136764-A1	20/10/2009 00:00:00	7607155
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PUI050163	PUI050163-US-PCT	US	PCT	25/07/2007 00:00:00	06/06/2008 00:00:00	11/988073	07/07/2009 00:00:00	2009-0175344-A1	23/04/2013 00:00:00	848147
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P0300086	P0300086-US-PT	US	PT	15/10/2010 00:00:00	12/01/2012 00:00:00	13,876,031	11/07/2013 00:00:00	2013-0177054-A1		
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RCAB8490	RCAB8490-US-PT	US	NP	19/12/1996 00:00:00	19/12/1996 00:00:00	08,769,332			01/08/2000 00:00:00	6097442
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RCAB8828	RCAB8828-US-PT	US	NP	26/06/2000 00:00:00	26/06/2000 00:00:00	09,603,339			03/01/2002 00:00:00	6891106
RCAB8190	RCAB8190-US-PT	US	PT	22/01/1998 00:00:00	30/12/1998 00:00:00	09,808,335			02/01/2003 00:00:00	6326844
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RCAB8751	RCAB8751-US-PT	US	PT	23/07/1999 00:00:00	32/11/2000 00:00:00	10,398,821			12/12/2002 00:00:00	7246532
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RCAB8869	RCAB8869-US-PT	US	NP	19/09/2000 00:00:00	19/09/2000 00:00:00	09,666,021			24/09/2002 00:00:00	6485135
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Family	Application	Country	Protection Type	Fam 1st Prior Fil Date	FILINGDATE	FILINGNUMBER	PUBLICATIONDATE	PUBLICATIONNUMBER	GRANTDATE	GRANTNUMBER
PI101027	PI101027-US-PT	US	PT	01/12/2011 00:00:00	29/11/2012 00:00:00	14,361,414	06/11/2014 00:00:00	2014-0330897-A1		
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RC488541	RC488541-US-PT	US	NP	05/12/1997 00:00:00	05/06/2000 00:00:00	09,555,554				
RC488461	RC488461-US-NP	US	NP	19/12/1996 00:00:00	19/12/1996 00:00:00	08,769,333				
PI096038	PI096038-US-NP	US	NP	05/07/1996 00:00:00	30/06/1997 00:00:00	08,885,523				
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RC489380	RC489380-US-PT	US	PT	05/07/2001 00:00:00	16/11/2003 00:00:00	10,129,494				
RC488079	RC488079-US-PT	US	PT	16/12/1996 00:00:00	16/12/1996 00:00:00	08,767,088	18/04/2002 00:00:00	2002-0044763-A1		
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PI030295	PI030295-US-PT	US	PT	25/07/2002 00:00:00	17/07/2003 00:00:00	10,522,270	19/01/2006 00:00:00	2006-0015899-A1		
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PI070050	PI070050-US-PT	US	PT	29/06/2008 00:00:00	04/06/2008 00:00:00	12,156,664	01/07/2009 00:00:00	2009-0002322-A1		
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PI010033	PI010033-US-PT	US	PT	29/09/2008 00:00:00	26/06/2010 00:00:00	12,839,315	30/01/2012 00:00:00	2012-0214814-A1		
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RC488505	RC488505-US-NP	US	NP	12/08/1997 00:00:00	12/08/1997 00:00:00	08,911,526				
RC488916	RC488916-US-NP	US	NP	10/07/1997 00:00:00	09/04/1998 00:00:00	09,057,648				
RC488916	RC488916-US-NP	US	NP	16/10/1996 00:00:00	12/03/1997 00:00:00	09,147,906				
RC488927	RC488927-US-NP	US	NP	13/11/1996 00:00:00	12/11/1997 00:00:00	08,968,140				
PI0960046	PI0960046-US-NP	US	NP	18/06/1999 00:00:00	16/06/2000 00:00:00	09,596,106				
PI0960037	PI0960037-US-NP	US	NP	23/03/1999 00:00:00	26/02/1999 00:00:00	09,259,901				
RC489009	RC489009-US-PT	US	PT	28/12/1998 00:00:00	28/12/1998 00:00:00	09,882,554				
RC489003	RC489003-US-PT	US	PT	28/12/1998 00:00:00	22/12/1999 00:00:00	09,882,554				
RC489185	RC489185-US-PT	US	PT	04/01/2001 00:00:00	04/01/2002 00:00:00	10,250,640	22/04/2004 00:00:00	2004-0078812-A1		
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PI010015	PI010015-US-NP	US	NP	22/06/2001 00:00:00	12/06/2002 00:00:00	10,170,266	02/01/2003 00:00:00	2003-0001790-A1		
PI010065	PI010065-US-NP	US	NP	26/09/2001 00:00:00	11/12/2001 00:00:00	10,014,563	27/02/2003 00:00:00	2003-0058947-A1		
PI010220	PI010220-US-NP	US	NP	18/12/2001 00:00:00	07/06/2002 00:00:00	10,164,873	19/06/2003 00:00:00	2003-0115587-A1		
RC489286	RC489286-US-NP	US	NP	13/08/1999 00:00:00	13/08/1999 00:00:00	09,374,024				
RC489604	RC489604-US-NP	US	NP	30/11/1999 00:00:00	23/07/2001 00:00:00	09,451,064	01/04/2004 00:00:00	2004-0061695-A1		
RC489651	RC489651-US-NP	US	NP	28/07/2000 00:00:00	30/11/1999 00:00:00	10,343,990	06/07/2006 00:00:00	2006-0082690-A1		
PI000039	PI000039-US-PT	US	PT	06/12/2002 00:00:00	05/12/2003 00:00:00	10,536,055	20/04/2006 00:00:00	2006-0061695-A1		
PI020483	PI020483-US-PT	US	PT	25/09/2003 00:00:00	10/12/2003 00:00:00	10,577,751	15/05/2007 00:00:00	2007-0058731-A1		
PI030264	PI030264-US-PT	US	PT	07/08/2003 00:00:00	06/08/2004 00:00:00	10,912,714	29/09/2005 00:00:00	2005-0213655-A1		
PI030124	PI030124-US-NP	US	NP	08/07/2003 00:00:00	08/07/2004 00:00:00	10,887,973	24/02/2005 00:00:00	2005-0041868-A1		
PI030114	PI030114-US-NP	US	NP	09/03/2004 00:00:00	09/03/2004 00:00:00	10,550,577	19/07/2007 00:00:00	2007-0165707-A1		
PI020062	PI020062-US-PT	US	PT	19/07/2002 00:00:00	02/06/2005 00:00:00	11,638,825	24/11/2005 00:00:00	2005-0261861-A1		
PI020090	PI020090-US-PT	US	PT	18/06/2004 00:00:00	26/10/2005 00:00:00	11,656,482	27/12/2007 00:00:00	2007-0286659-A1		
PI040184	PI040184-US-PT	US	PT	03/11/2004 00:00:00	04/08/2005 00:00:00	11,659,773	18/09/2008 00:00:00	2008-0228969-A1		
PI040298	PI040298-US-PT	US	PT	15/01/2006 00:00:00	05/12/2006 00:00:00	12,087,558	12/03/2009 00:00:00	2009-0065749-A1		
PI070161	PI070161-US-PT	US	PT	28/06/2007 00:00:00	24/06/2008 00:00:00	12,150,337	13/10/2008 00:00:00	2008-0328461-A1		
PI070039	PI070039-US-NP	US	NP	27/04/2007 00:00:00	25/04/2008 00:00:00	12,458,929	18/02/2011 00:00:00	2011-0102673-A1		
PI060223	PI060223-US-PT	US	PT	20/12/2006 00:00:00	20/12/2006 00:00:00	12,448,928	05/03/2015 00:00:00	2015-0102673-A1		
PI080084	PI080084-US-PT	US	PT	24/06/2008 00:00:00	10/01/2012 00:00:00	13,917,850	07/11/2013 00:00:00	2013-0283777-A1		
PI110012	PI110012-US-PT	US	PT	10/01/2012 00:00:00						

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PE110101	PE110101-US-PT	US	PT	09/12/2010 00:00:00	28/11/2012 00:00:00	13.687289	13/06/2013 00:00:00	2013-0147291-A1		
PE110193	PE110193-US-PT	US	PT	13/01/2012 00:00:00	03/01/2013 00:00:00	14.320117	01/01/2015 00:00:00	2015-0006928-A1		
PE110193	PE110137-US-PT	US	PT	06/10/2011 00:00:00	24/09/2012 00:00:00	14.349513	01/01/2015 00:00:00	2015-0006457-A1		
PU090188	PU090188-US-PT	US	PT	14/12/2009 00:00:00	08/12/2010 00:00:00	13.508562	06/09/2012 00:00:00	2012-0224659-A1	25/08/2015 00:00:00	9118912
PU090121	PU090121-US-PT	US	PT	13/11/2008 00:00:00	12/11/2009 00:00:00	12.985862	25/08/2011 00:00:00	2011-0206138-A1	22/09/2015 00:00:00	9143788
PU090054	PU090054-US-PT	US	NP	23/12/2009 00:00:00	23/12/2009 00:00:00	12.655098	23/06/2011 00:00:00	2011-0148907-A1		
RC488132	RC488132-US-PT	US	NP	18/03/1997 00:00:00	18/03/1997 00:00:00	08.818591			02/04/2002 00:00:00	6356326
RC488479	RC488479-US-PT	US	NP	15/11/1996 00:00:00	15/11/1996 00:00:00	08.479701			07/07/1998 00:00:00	577862
RC488393	RC488393-US-PT	US	NP	13/09/1996 00:00:00	13/09/1996 00:00:00	08.713380			28/09/1999 00:00:00	5959851
RC488354	RC488354-US-PT	US	NP	20/12/1996 00:00:00	17/12/1997 00:00:00	09.319685			24/06/2003 00:00:00	6584275
PE970045	PE970045-US-PT	US	PT	28/07/1997 00:00:00	02/07/1998 00:00:00	09.110085			11/12/2001 00:00:00	6330293
PE970028	PE970028-US-PT	US	PT	17/02/1997 00:00:00	16/02/1998 00:00:00	09.367523			02/06/2009 00:00:00	7542562
PE970029	PE970029-US-PT	US	NP	04/08/1997 00:00:00	03/08/1998 00:00:00	09.128511			28/05/2002 00:00:00	6396876
RC489511	RC489511-US-PT	US	NP	03/12/1999 00:00:00	03/12/1999 00:00:00	09.454037			07/05/2002 00:00:00	6384872
RC489789	RC489789-US-PT	US	NP	16/02/2000 00:00:00	16/02/2000 00:00:00	09.505159			23/03/2004 00:00:00	6711271
PU020411	PU020411-US-PT	US	NP	20/09/2002 00:00:00	18/09/2003 00:00:00	10.656333	15/04/2004 00:00:00	2004-0065915-A1	12/08/2005 00:00:00	6932307
PU020411	PU020481-US-PT	US	PT	25/11/2002 00:00:00	27/10/2003 00:00:00	10.535880	23/03/2006 00:00:00	2006-0062295-A1	06/03/2012 00:00:00	8130831
PU020193	PU020193-US-PT	US	NP	29/04/2002 00:00:00	09/01/2003 00:00:00	10.339421	30/10/2003 00:00:00	2003-0204776-A1	24/07/2007 00:00:00	7249282
PU020105	PU020105-US-PT	US	PT	23/08/2002 00:00:00	04/08/2003 00:00:00	10.525181	05/01/2006 00:00:00	2006-0001587-A1	13/06/2006 00:00:00	7061444
PU030069	PU030069-US-PT	US	NP	01/07/2003 00:00:00	29/06/2004 00:00:00	10.879642	27/01/2005 00:00:00	2005-0022254-A1	12/01/2010 00:00:00	7653284
PU030125	PU030125-US-PT	US	PT	24/04/2003 00:00:00	05/02/2004 00:00:00	10.553810	14/12/2006 00:00:00	2006-0279944-A1	26/02/2013 00:00:00	8384651
PU010169	PU010169-US-PT	US	PT	08/08/2001 00:00:00	07/08/2002 00:00:00	10.485772	03/02/2005 00:00:00	2005-0294265-A1	21/06/2011 00:00:00	7956631
PU030136	PU030136-US-PT	US	PT	05/05/2003 00:00:00	04/05/2004 00:00:00	11.795537	29/01/2009 00:00:00	2009-0027565-A1	04/12/2007 00:00:00	7305503
PU050006	PU050006-US-PT	US	PT	20/01/2005 00:00:00	20/01/2005 00:00:00	11.594549	16/08/2007 00:00:00	2007-0192746-A1	15/07/2014 00:00:00	8780271
PU040002	PU040002-US-PT	US	PT	05/01/2004 00:00:00	22/11/2004 00:00:00	12.223434	15/08/2009 00:00:00	2009-0016439-A1	24/05/2014 00:00:00	7949586
PE060021	PE060021-US-PT	US	PT	06/02/2006 00:00:00	30/01/2007 00:00:00	12.087637	14/05/2009 00:00:00	2009-0122860-A1	01/04/2014 00:00:00	8687656
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PU060179	PU060179-US-PT	US	PT	29/09/2006 00:00:00	25/06/2007 00:00:00	12.311452	31/12/2009 00:00:00	2009-0134121-A1	18/06/2013 00:00:00	8461626
PU060126	PU060126-US-PT	US	PT	28/06/2006 00:00:00	04/10/2006 00:00:00	12.308906	23/07/2009 00:00:00	2009-0185110-A1	04/09/2012 00:00:00	8259258
PU060219	PU060219-US-PT	US	PT	07/11/2006 00:00:00	13/12/2006 00:00:00	12.312944	11/01/2010 00:00:00	2010-0064316-A1	04/06/2013 00:00:00	8456144
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PU080006	PU080006-US-PT	US	PT	19/02/2008 00:00:00	03/02/2009 00:00:00	12.725764	05/12/2010 00:00:00	2010-0101874-A1	02/07/2013 00:00:00	8478660
PU080046	PU080046-US-PT	US	PT	12/09/2010 00:00:00	03/08/2011 00:00:00	13.814570	30/06/2013 00:00:00	2013-0138428-A1		
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PU110018	PU110018-US-PT	US	PT	14/08/2011 00:00:00	26/08/2011 00:00:00	14.235918	03/07/2014 00:00:00	2014-0184744-A1		
PE020045	PE020045-US-PT	US	NP	16/08/2011 00:00:00	09/12/2014 00:00:00	14.555009				
PE110164	PE110164-US-PT	US	NP	20/10/2011 00:00:00	19/10/2012 00:00:00	13.656154	31/10/2013 00:00:00	2013-0287101-A1		
PU110111	PU110111-US-PT	US	PT	18/01/2012 00:00:00	18/01/2012 00:00:00	14.327228	18/06/2015 00:00:00	2015-0172726-A1		
PU110021	PU110021-US-PT	US	PT	24/06/2011 00:00:00	24/06/2011 00:00:00	14.128549	15/05/2014 00:00:00	2014-0156728-A1		
PU100195	PU100195-US-PT	US	PT	10/09/2011 00:00:00	09/09/2011 00:00:00	13.821130	22/06/2013 00:00:00	2013-0153474-A1		
PE100115	PE100115-US-PT	US	NP	15/02/2011 00:00:00	14/02/2012 00:00:00	13.273000	16/08/2011 00:00:00	2012-0206569-A1		
PU080117	PU080117-US-PT	US	PT	04/09/2008 00:00:00	01/09/2009 00:00:00	12.727445	30/06/2011 00:00:00	2011-0158320-A1		
PU080191	PU080191-US-PT	US	PT	14/12/2008 00:00:00	08/12/2010 00:00:00	13.515509	04/10/2012 00:00:00	2012-0249869-A1		
PU080187	PU080187-US-PT	US	PT	30/12/2008 00:00:00	30/12/2008 00:00:00	13.138062	03/11/2011 00:00:00	2011-0265273-A1		
PE090055	PE090055-US-PT	US	PT	19/05/2009 00:00:00	07/05/2010 00:00:00	13.318696	01/03/2012 00:00:00	2012-0049655-A1		
RC488397	RC488397-US-PT	US	NP	15/09/1995 00:00:00	24/05/2001 00:00:00	09.864672	14/02/2002 00:00:00	2002-0018638-A1		
RC488535	RC488535-US-PT	US	NP	23/12/1997 00:00:00	22/06/2000 00:00:00	09.582186			03/07/2007 00:00:00	7239793
RC488503	RC488503-US-PT	US	NP	12/08/1997 00:00:00	12/08/1997 00:00:00	08.998116			26/12/2004 00:00:00	6784994
RC489041	RC489041-US-PT	US	NP	13/07/1998 00:00:00	12/11/1998 00:00:00	09.150309			09/10/2001 00:00:00	8286207
PE970029	PE970029-US-PT	US	NP	23/05/1997 00:00:00	21/05/1998 00:00:00	09.082880			14/08/2001 00:00:00	6275589
PE990031	PE990031-US-PT	US	NP	15/05/1996 00:00:00	01/05/1997 00:00:00	08.847025			02/02/1999 00:00:00	5863732
PE990069	PE990069-US-PT	US	NP	25/10/1999 00:00:00	25/10/2000 00:00:00	09.696423			28/01/2003 00:00:00	6512428
RC487493	RC487493-US-PT	US	NP	19/03/1996 00:00:00	19/03/1996 00:00:00	08.618222			14/07/1998 00:00:00	5781139
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PU010052	PU010052-US-PT	US	NP	28/02/2001 00:00:00	19/09/2001 00:00:00	09.879632	12/12/2002 00:00:00	2002-0118297-A1	04/04/2006 00:00:00	7761604
PU010130	PU010130-US-PT	US	NP	12/06/2001 00:00:00	12/06/2001 00:00:00	09.879632	14/09/2005 00:00:00	2005-0156961-A1	17/05/2011 00:00:00	7945930
PU020006	PU020006-US-PT	US	PT	25/04/2002 00:00:00	15/04/2003 00:00:00	10.512370	26/02/2004 00:00:00	2004-0037358-A1	20/10/2009 00:00:00	7133545
PU020150	PU020150-US-PT	US	PT	28/08/2000 00:00:00	27/08/2001 00:00:00	10.538380	02/02/2006 00:00:00	2006-0228651-A1	07/01/2014 00:00:00	8624960
RC490425	RC490425-US-PT	US	PT	27/09/2002 00:00:00	19/09/2003 00:00:00	11.659774	22/11/2007 00:00:00	2007-0266409-A1	13/03/2012 00:00:00	8134648
PE020121	PE020121-US-PT	US	PT	10/08/2004 00:00:00	10/08/2004 00:00:00	11.659774	10/06/2007 00:00:00	2007-0141851-A1	31/03/2009 00:00:00	7511770
PU040022	PU040022-US-PT	US	PT	07/02/2005 00:00:00	08/09/2005 00:00:00	12.053728	08/03/2009 00:00:00	2009-0063863-A1		
PU040134	PU040134-US-PT	US	NP	29/11/2005 00:00:00	29/11/2005 00:00:00	11.795394	26/10/2006 00:00:00	2006-0238367-A1		
PU050250	PU050250-US-PT	US	NP	12/04/2005 00:00:00	30/03/2006 00:00:00	12.066644	19/06/2010 00:00:00	2010-0208840-A1	06/03/2012 00:00:00	8130876
PE050221	PE050221-US-PT	US	PT	22/12/2005 00:00:00	26/10/2007 00:00:00	12.312117	04/02/2010 00:00:00	2010-0054331-A1	04/12/2012 00:00:00	8325804
PU060146	PU060146-US-PT	US	PT	31/07/2008 00:00:00	24/07/2009 00:00:00	12.460764	14/08/2014 00:00:00	2014-0229486-A1	20/11/2012 00:00:00	8315475
PU080073	PU080073-US-PT	US	PT	06/06/2008 00:00:00	28/09/2012 00:00:00	14.245955				
PU110122	PU110122-US-PT	US	PT	19/02/2010 00:00:00	16/02/2011 00:00:00	13.577954	06/12/2012 00:00:00	2012-0311174-A1		

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PIU00190	PIU00190-US-PCT	US	PCT	10/09/2010 00:00:00	09/09/2012 00:00:00	13,830,201	27/06/2013 00:00:00	2013-0163623-A1		
PO110048	PO110048-US-NP	US	NP	24/05/2012 00:00:00	19/05/2013 00:00:00	13,897,418	28/11/2013 00:00:00	2013-0314004-A1		
PIU080129	PIU080129-US-PCT	US	PCT	12/11/2009 00:00:00	10/11/2009 00:00:00	12,998,643	08/09/2011 00:00:00	2011-0216828-A1		
PF100010	PF100010-US-PCT	US	PCT	06/02/2009 00:00:00	05/02/2010 00:00:00	13,138,296	22/12/2011 00:00:00	2011-0311135-A1		
PIU090017	PIU090017-US-NP	US	NP	11/02/2009 00:00:00	09/02/2010 00:00:00	12,658,646	19/08/2010 00:00:00	2010-0208994-A1	06/05/2014 00:00:00	8718404
RC487934	RC487934-US-NP	US	NP	04/06/1996 00:00:00	04/06/1996 00:00:00	08,655,269			08/07/2014 00:00:00	8724552
PF000022	PF000022-US-NP	US	NP	15/03/2000 00:00:00	14/03/2001 00:00:00	09,808,327	20/09/2001 00:00:00	2001-0023498-A1	23/01/2007 00:00:00	5712873
RC488853	RC488853-US-PCT	US	PCT	07/01/1998 00:00:00	07/01/1999 00:00:00	09,582,451			09/11/2012 00:00:00	7830968
RC488226	RC488226-US-PCT	US	PCT	16/10/1996 00:00:00	12/03/1999 00:00:00	09,269,246			26/02/2012 00:00:00	6351292
RC488200	RC488200-US-NP	US	NP	19/12/1996 00:00:00	19/12/1996 00:00:00	08,707,710			11/07/2009 00:00:00	6088064
PIU020350	PIU020350-US-NP	US	NP	29/07/2002 00:00:00	29/07/2002 00:00:00	10,267,414	29/01/2004 00:00:00	2004-0017845-A1	05/06/2007 00:00:00	7227886
PF990089	PF990089-US-NP	US	NP	17/04/1999 00:00:00	18/12/2000 00:00:00	09,739,148	08/11/2001 00:00:00	2001-0308421-A1	07/10/2003 00:00:00	6630962
PIU020107	PIU020107-US-NP	US	NP	17/04/2002 00:00:00	17/04/2002 00:00:00	10,124,255	12/10/2003 00:00:00	2003-0198286-A1	21/09/2004 00:00:00	6759540
RC490228	RC490228-US-PCT	US	PCT	02/06/2000 00:00:00	24/05/2001 00:00:00	10,266,981	11/12/2003 00:00:00	2003-022573-A1	28/02/2006 00:00:00	7006161
RC489817	RC489817-US-NP	US	NP	10/11/1999 00:00:00	29/06/2000 00:00:00	09,606,997			15/02/2005 00:00:00	6856755
PIU010156	PIU010156-US-PCT	US	PCT	20/07/2001 00:00:00	24/01/2003 00:00:00	10,453,536	11/08/2005 00:00:00	2005-0174938-A1	17/11/2009 00:00:00	7619973
PIU030042	PIU030042-US-NP	US	NP	24/01/2003 00:00:00	24/01/2003 00:00:00	10,350,882	29/07/2004 00:00:00	2004-0148628-A1	23/05/2006 00:00:00	7051384
PIU010182	PIU010182-US-PCT	US	PCT	19/09/2001 00:00:00	19/09/2002 00:00:00	10,400,009	25/11/2004 00:00:00	2004-0256882-A1	04/01/2006 00:00:00	6839779
PIU030262	PIU030262-US-PCT	US	PCT	16/10/2002 00:00:00	16/10/2003 00:00:00	10,531,118	30/03/2006 00:00:00	2006-0067094-A1	28/03/2006 00:00:00	7019992
PO400071	PO400071-US-NP	US	NP	05/05/2004 00:00:00	03/05/2005 00:00:00	11,120,604	10/11/2005 00:00:00	2005-0248327-A1	05/06/2007 00:00:00	7227344
PIU050097	PIU050097-US-NP	US	NP	09/08/2000 00:00:00	09/08/2000 00:00:00	09,636,037			27/12/2005 00:00:00	6680972
PF050143	PF050143-US-PCT	US	PCT	01/08/2005 00:00:00	19/07/2006 00:00:00	11,999,887	19/08/2010 00:00:00	2010-0207837-A1	13/11/2012 00:00:00	8310405
PIU050272	PIU050272-US-PCT	US	PCT	01/12/2005 00:00:00	06/11/2006 00:00:00	12,095,736	16/04/2009 00:00:00	2009-0100467-A1	05/08/2014 00:00:00	8729946
PIU050018	PIU050018-US-PCT	US	PCT	27/05/2005 00:00:00	03/05/2006 00:00:00	11,920,819	12/02/2009 00:00:00	2009-0084121-A1	26/02/2013 00:00:00	8385432
PIU050125	PIU050125-US-PCT	US	PCT	30/06/2005 00:00:00	30/06/2005 00:00:00	11,922,470	28/05/2009 00:00:00	2009-0135391-A1	08/05/2012 00:00:00	8174177
PIU070182	PIU070182-US-PCT	US	PCT	06/08/2007 00:00:00	07/07/2008 00:00:00	12,737,300	03/06/2010 00:00:00	2010-0135391-A1		
PIU080087	PIU080087-US-PCT	US	PCT	12/06/2008 00:00:00	05/06/2009 00:00:00	12,737,109	05/05/2011 00:00:00	2011-0103464-A1		
PIU050143	PIU050143-US-PCT	US	PCT	28/06/2007 00:00:00	27/06/2008 00:00:00	12,452,950	03/06/2010 00:00:00	2010-0156808-A1		
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RC488124	RC488124-US-NP	US	NP	09/12/1996 00:00:00	09/12/1996 00:00:00	08,765,816			12/01/1999 00:00:00	5859630
RC488213	RC488213-US-NP	US	NP	12/09/1998 00:00:00	09/06/2000 00:00:00	09,259,553			18/02/2003 00:00:00	6322870
RC488635	RC488635-US-NP	US	NP	08/12/1992 00:00:00	09/06/2000 00:00:00	09,381,147			23/11/2004 00:00:00	6823452
RC489345	RC489345-US-NP	US	NP	26/02/1999 00:00:00	25/02/1999 00:00:00	08,562,893			18/09/2002 00:00:00	7201458
RC489342	RC489342-US-PCT	US	PCT	21/04/1998 00:00:00	30/04/2000 00:00:00	09,659,082	01/04/2004 00:00:00	2004-0061633-A1	11/04/2009 00:00:00	7213918
PF000004	PF000004-US-PCT	US	PCT	17/01/2000 00:00:00	18/01/2002 00:00:00	10,466,463	13/05/2004 00:00:00	2004-0093617-A1	06/07/2009 00:00:00	7759890
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PF020146	PF020146-US-PCT	US	PCT	28/10/2002 00:00:00	12/10/2003 00:00:00	11,052,282	06/07/2005 00:00:00	2005-0146199-A1	14/12/2010 00:00:00	7855414
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PF030059	PF030059-US-PCT	US	PCT	31/03/2003 00:00:00	29/03/2004 00:00:00	10,812,131	14/10/2004 00:00:00	2004-0201437-A1	18/04/2006 00:00:00	7030220
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PO400077	PO400077-US-PCT	US	PCT	24/06/2004 00:00:00	23/05/2005 00:00:00	11,630,320	27/12/2007 00:00:00	2007-0297510-A1	04/09/2012 00:00:00	8829805
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PIU040254	PIU040254-US-PCT	US	PCT	02/02/2006 00:00:00	31/01/2007 00:00:00	12,087,315	08/01/2009 00:00:00	2009-0010330-A1	30/07/2013 00:00:00	8498336
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BA020003	BA020003-US-PCT	US	PCT	18/01/2007 00:00:00	18/01/2007 00:00:00	12,448,885	11/03/2010 00:00:00	2010-0061478-A1	11/08/2015 00:00:00	9106498
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PATENT
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RU030007	RU030007-US-PT	US	PT	14/02/2003 00:00:00	12/02/2004 00:00:00	10/542751	22/04/2004 00:00:00	2005-0082597-A1	15/03/2010 00:00:00	7529690
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RU030101	RU030101-US-PT	US	PT	03/07/2003 00:00:00	02/07/2004 00:00:00	10/562663	06/09/2007 00:00:00	2007-0209050-A1		
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RU040055	RU040055-US-PT	US	PT	14/01/2004 00:00:00	14/01/2005 00:00:00	11/281696	05/06/2006 00:00:00	2006-013054-A1	08/03/2011 00:00:00	7903722
RU050225	RU050225-US-NP	US	NP	18/10/2004 00:00:00	17/10/2005 00:00:00	11/751695	20/04/2008 00:00:00	2006-0083426-A1	19/07/2011 00:00:00	7982743
RU040086	RU040086-US-NP	US	NP	09/06/2004 00:00:00	08/06/2005 00:00:00	11/147957	29/12/2005 00:00:00	2006-0267977-A1	08/04/2008 00:00:00	7355496
RU050042	RU050042-US-PT	US	PT	24/05/2005 00:00:00	24/05/2005 00:00:00	11/156466	30/11/2006 00:00:00	2006-0267565-A1	12/05/2009 00:00:00	7352494
RU040149	RU040149-US-PT	US	PT	14/05/2004 00:00:00	06/03/2005 00:00:00	11/595496	18/10/2007 00:00:00	2006-0249391-A1	11/01/2011 00:00:00	7870506
RU050283	RU050283-US-PT	US	PT	06/03/2006 00:00:00	06/03/2006 00:00:00	12/237368	22/10/2009 00:00:00	2009-0025038-A1		
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RU070088	RU070088-US-PT	US	PT	12/04/2007 00:00:00	09/04/2008 00:00:00	12/450800	03/06/2010 00:00:00	2010-0135387-A1	10/06/2014 00:00:00	8750137
RU070062	RU070062-US-PT	US	PT	26/03/2007 00:00:00	26/03/2007 00:00:00	12/450509	28/01/2010 00:00:00	2010-002049-A1	01/07/2014 00:00:00	8767130
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RU100033	RU100033-US-PT	US	PT	11/06/2010 00:00:00	01/06/2011 00:00:00	13/703417	18/04/2013 00:00:00	2013-0096929-A1		
RU100151	RU100151-US-PT	US	PT	05/01/2011 00:00:00	03/02/2011 00:00:00	13/978157	24/10/2013 00:00:00	2013-0282800-A1		
RU080156	RU080156-US-PT	US	PT	05/09/2008 00:00:00	31/07/2009 00:00:00	13/978157	23/06/2011 00:00:00	2013-0154173-A1		
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RU100156	RU100156-US-PT	US	PT	30/01/2009 00:00:00	17/12/2009 00:00:00	13/145582	17/11/2011 00:00:00	2013-0281543-A1	11/06/2013 00:00:00	8463228
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RU088125	RU088125-US-NP	US	NP	27/02/1995 00:00:00	25/09/1996 00:00:00	08/721280			24/08/1999 00:00:00	5943369
RU088030	RU088030-US-NP	US	NP	30/07/1996 00:00:00	30/07/1998 00:00:00	09/117485			26/12/2003 00:00:00	6166703
RU080096	RU080096-US-NP	US	NP	31/12/1998 00:00:00	20/12/1998 00:00:00	09/467404			23/09/2003 00:00:00	6626763
RU088947	RU088947-US-NP	US	NP	23/06/1998 00:00:00	23/06/1998 00:00:00	09/102885			09/11/2004 00:00:00	6816548
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RU020020	RU020020-US-NP	US	NP	18/05/2001 00:00:00	09/04/2001 00:00:00	09/829245	22/11/2001 00:00:00	2001-0044726-A1	01/04/2008 00:00:00	7628114
RU020074	RU020074-US-NP	US	NP	30/07/2002 00:00:00	23/07/2003 00:00:00	10/655328	19/08/2004 00:00:00	2004-0160453-A1	05/07/2011 00:00:00	8792801
RU030168	RU030168-US-PT	US	PT	19/12/2001 00:00:00	11/12/2002 00:00:00	10/485216	03/06/2007 00:00:00	2005-0065604-A1	15/08/2014 00:00:00	8911498
RU030143	RU030143-US-PT	US	PT	12/09/2003 00:00:00	18/09/2004 00:00:00	10/535459	03/06/2007 00:00:00	2005-0100619-A1	12/09/2014 00:00:00	7802173
RU030145	RU030145-US-PT	US	PT	12/09/2003 00:00:00	19/09/2004 00:00:00	10/535459	03/06/2007 00:00:00	2005-0098212-A1	11/09/2014 00:00:00	8623015
RU030145	RU030145-US-PT	US	PT	23/09/2003 00:00:00	11/12/2005 00:00:00	11/794855	05/11/2005 00:00:00	2008-0276611-A1	16/09/2014 00:00:00	8831964
RU050092	RU050092-US-NP	US	NP	09/08/2002 00:00:00	09/08/2002 00:00:00	09/636392	05/06/2008 00:00:00	2008-0131071-A1	14/08/2011 00:00:00	7962414
RU040094	RU040094-US-PT	US	PT	14/05/2002 00:00:00	22/05/2004 00:00:00	11/556348	07/07/2008 00:00:00	2008-0034397-A1		
RU050069	RU050069-US-NP	US	NP	03/08/2005 00:00:00	11/04/2006 00:00:00	11/472660	08/02/2007 00:00:00	2007-0033608-A1	29/03/2011 00:00:00	7912925
RU050055	RU050055-US-PT	US	PT	14/04/2005 00:00:00	12/03/2006 00:00:00	11/887808	19/03/2009 00:00:00	2009-0074007-A1	08/10/2013 00:00:00	8553777
RU060241	RU060241-US-PT	US	PT	14/12/2006 00:00:00	14/12/2006 00:00:00	12/448154	11/03/2010 00:00:00	2010-0061594-A1	25/09/2013 00:00:00	8274456
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RU060058	RU060058-US-PT	US	PT	18/04/2006 00:00:00	05/04/2007 00:00:00	12/225643	03/08/2009 00:00:00	2009-0219177-A1	25/01/2011 00:00:00	7876240
RU060033	RU060033-US-PT	US	PT	12/09/2006 00:00:00	12/09/2007 00:00:00	12/310828	11/03/2010 00:00:00	2010-0064330-A1	06/03/2014 00:00:00	8113876
RU060038	RU060038-US-PT	US	PT	15/06/2006 00:00:00	15/06/2006 00:00:00	12/227673	09/07/2009 00:00:00	2009-0174822-A1	02/12/2014 00:00:00	8902369
RU070085	RU070085-US-PT	US	PT	15/06/2006 00:00:00	13/06/2007 00:00:00	12/308315	23/09/2010 00:00:00	2010-0242080-A1		
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RU070228	RU070228-US-PT	US	PT	11/04/2008 00:00:00	14/01/2008 00:00:00	12/735274	11/11/2010 00:00:00	2010-0283903-A1	15/10/2013 00:00:00	8559563
RU080047	RU080047-US-PT	US	PT	09/04/2009 00:00:00	25/03/2008 00:00:00	12/736217	26/07/2012 00:00:00	2012-0189051-A1		
RU100821	RU100821-US-PT	US	PT	25/03/2008 00:00:00	20/12/2012 00:00:00	14/368558	20/01/2011 00:00:00	2011-0013426-A1	16/04/2013 00:00:00	8442252
RU110134	RU110134-US-PT	US	PT	04/01/2012 00:00:00	11/05/2011 00:00:00	13/658118	07/03/2013 00:00:00	2013-0058421-A1		
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RU090111	RU090111-US-PT	US	PT	30/10/2009 00:00:00	26/10/2010 00:00:00	13/503836	15/07/2012 00:00:00	2012-0063665-A1	11/09/2013 00:00:00	8254602
RU090044	RU090044-US-NP	US	NP	05/05/2009 00:00:00	05/05/2010 00:00:00	12/759946	29/07/2010 00:00:00	2010-0188430-A1		
RU080115	RU080115-US-NP	US	NP	02/10/2008 00:00:00	30/09/2009 00:00:00	13/521290	03/01/2013 00:00:00	2012-0002656-A1		
RU090212	RU090212-US-PT	US	PT	13/01/2010 00:00:00	28/01/2011 00:00:00	13/575803	29/11/2012 00:00:00	2012-0300843-A1		
RU100018	RU100018-US-PT	US	PT	29/01/2010 00:00:00	21/01/2011 00:00:00	13/520224	15/11/2012 00:00:00	2012-0288015-A1		
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RU090032	RU090032-US-PT	US	PT	16/04/1997 00:00:00	21/12/1998 00:00:00	09/469117	10/11/1998 00:00:00			
RU088539	RU088539-US-NP	US	NP	22/12/1998 00:00:00	14/12/1998 00:00:00	09/460611				
RU080091	RU080091-US-NP	US	NP	14/12/1998 00:00:00	11/05/1998 00:00:00	09/460611				
RU080092	RU080092-US-NP	US	NP	16/05/1998 00:00:00	04/09/1998 00:00:00	09/148209				
RU089038	RU089038-US-PT	US	PT	05/09/1997 00:00:00	21/08/2001 00:00:00	09/333550	21/03/2002 00:00:00	2002-0034084-A1	04/02/2003 00:00:00	6515873
RU088572	RU088572-US-NP	US	NP	24/08/2000 00:00:00	15/12/2000 00:00:00	10/149492	13/03/2003 00:00:00	2003-0048047-A1	18/01/2004 00:00:00	6843542
RU000045	RU000045-US-PT	US	PT	17/12/1999 00:00:00	12/01/1999 00:00:00	09/468667				
RU090088	RU090088-US-PT	US	PT	12/01/1999 00:00:00	21/06/2000 00:00:00	10/019193				
RU090042	RU090042-US-PT	US	PT	21/06/1999 00:00:00	05/06/2001 00:00:00	09/874341				
RU000055	RU000055-US-NP	US	NP	08/06/2000 00:00:00	12/05/2002 00:00:00	10/164583	12/06/2003 00:00:00	2003-0108201-A1	09/06/2009 00:00:00	7545937

Family	Application	Country	Protection Type	Fam 1st Prior Fil Date	FILINGDATE	FILINGNUMBER	PUBLICATIONDATE	PUBLICATIONNUMBER	GRANTDATE	GRANTNUMBER
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P00000068	P00000068-US-PCT	US	PCT	27/11/2000 00:00:00	19/11/2001 00:00:00	10/432712	01/07/2004 00:00:00	2004-0130660-A1	25/12/2007 00:00:00	7312830
P0010073	P0010073-US-PCT	US	PCT	06/12/2001 00:00:00	23/11/2002 00:00:00	10/487734	20/01/2005 00:00:00	2005-0015241-A1	08/01/2008 00:00:00	7318023
P0010163	P0010163-US-PCT	US	PCT	02/08/2001 00:00:00	02/08/2001 00:00:00	10/484899	30/09/2004 00:00:00	2004-0192209-A1	08/05/2007 00:00:00	7215939
P0010320	P0010320-US-NP	US	NP	31/01/2002 00:00:00	22/01/2003 00:00:00	10/348626	31/07/2003 00:00:00	2003-0142232-A1	01/05/2007 00:00:00	7212247
P0040213	P0040213-US-PCT	US	PCT	26/08/2003 00:00:00	24/08/2004 00:00:00	10/569319	11/01/2007 00:00:00	2007-0009044-A1	27/12/2011 00:00:00	8085846
P0030281	P0030281-US-PCT	US	PCT	16/10/2002 00:00:00	16/10/2003 00:00:00	10/531121	27/07/2006 00:00:00	2006-0164868-A1	22/08/2006 00:00:00	7095630
P0030249	P0030249-US-PCT	US	PCT	20/08/2003 00:00:00	04/08/2004 00:00:00	10/566881	16/11/2006 00:00:00	2006-0256871-A1	07/06/2011 00:00:00	7952469
P0050099	P0050099-US-NP	US	NP	11/05/2000 00:00:00	09/08/2000 00:00:00	09/635736	08/01/2009 00:00:00	2009-0010059-A1	16/09/2008 00:00:00	7426558
P0050025	P0050025-US-PCT	US	PCT	11/04/2005 00:00:00	21/02/2006 00:00:00	11/887869	05/04/2007 00:00:00	2007-0079246-A1	03/11/2009 00:00:00	7613023
P0050155	P0050155-US-NP	US	NP	08/09/2005 00:00:00	30/08/2006 00:00:00	11/513685	18/11/2010 00:00:00	2010-0289810-A1	20/08/2013 00:00:00	8515482
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P0070129	P0070129-US-PCT	US	PCT	27/06/2007 00:00:00	27/06/2007 00:00:00	12/664503	16/09/2010 00:00:00	2010-0231117-A1		
P0060120	P0060120-US-PCT	US	PCT	21/06/2006 00:00:00	15/06/2007 00:00:00	12/308590	31/12/2009 00:00:00	2009-0323803-A1		
P0060127	P0060127-US-PCT	US	PCT	10/07/2006 00:00:00	12/08/2015 00:00:00	14/824842				
P0010072	P0010072-US-CNT	US	CNT	28/11/2001 00:00:00	08/09/2011 00:00:00	13/991045	26/09/2013 00:00:00	2013-0250171-A1		
P0100250	PF110125-US-PCT	US	PCT	09/12/2010 00:00:00	30/08/2012 00:00:00	14/346719	21/04/2011 00:00:00	2011-0090125-A1		
PF110125	PF110125-US-PCT	US	PCT	26/06/2008 00:00:00	25/06/2009 00:00:00	12/737204	15/11/2012 00:00:00	2012-0288003-A1		
PF080081	PF080081-US-PCT	US	PCT	15/01/2010 00:00:00	07/01/2010 00:00:00	13/519432	17/05/2012 00:00:00	2012-0121010-A1	28/07/2015 00:00:00	9094716
PF090005	PF090005-US-PCT	US	PCT	23/04/2009 00:00:00	10/07/2009 00:00:00	13/138901				
PF090040	PF090040-US-PCT	US	PCT	26/01/2009 00:00:00	09/02/2010 00:00:00	13/148819	08/03/2012 00:00:00	2012-0056906-A1		
PF090009	PF090009-US-PCT	US	PCT							
P0090025	P0090025-US-PCT	US	PCT	11/02/2009 00:00:00						