

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	ASSIGNMENT		
SEQUENCE:	3		
CONVEYING PARTY DATA			
Name		Execution Date	
THOMSON LICENSING		01/04/2016	
RECEIVING PARTY DATA			
Name:	THOMSON LICENSING DTV		
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City:	ISSY-LES-MOULINEAUX		
State/Country:	FRANCE		
Postal Code:	92130		
PROPERTY NUMBERS Total: 1			
Property Type	Number		
Application Number:	09211181		
CORRESPONDENCE DATA			
Fax Number:			
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ATTORNEY DOCKET NUMBER:	PF970053-US-NP SEQ 3		
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SIGNATURE:	/Patricia A. Verlangieri, Reg.No. 42201/		
DATE SIGNED:	02/10/2017		
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

	Application	Country	Protection Type	Final Int. Prior. Fil. Date	FILING DATE	FILING NUMBER	PUBLICATION DATE	PUBLICATION NUMBER	GRANT DATE	GRANT NUMBER	
P	PP660031-US-NP	US	NP	31/07/1996 00:00:00	15/07/1997 00:00:00	08/992765	12/02/2002 00:00:00	2002-0021757-A1	19/08/2008 00:00:00	6623267	
	PP680007-US-NP	US	NP	11/11/1998 00:00:00	01/11/1999 00:00:00	09/4131507	28/08/2004 00:00:00	2003-0163822-A1	03/06/2008 00:00:00	6623164	
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	PP690010-US-NP	US	NP	13/02/1998 00:00:00	02/02/1999 00:00:00	09/241462	15/06/2006 00:00:00	2005-0125651-A1	05/05/2008 00:00:00	7569735	
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Family	Application	Country	Protection Type	Fam 1st Prior Fil Date	FILINGDATE	FILINGNUMBER	PUBLICATIONDATE	PUBLICATIONNUMBER	GRANTDATE	GRANTNUMBER
PE110043	PE110043-US-PT	US	PT	30/12/2010 00:00:00	21/12/2012 00:00:00	14,369,246	11/04/2013 00:00:00	2013-0089156-A1		
PE110043	PE110043-US-PT	US	PT	30/12/2010 00:00:00	21/12/2012 00:00:00	14,369,246	11/04/2013 00:00:00	2013-0089156-A1		
PE109038	PE109038-US-PT	US	PT	15/05/2009 00:00:00	12/05/2010 00:00:00	13,319,779	01/03/2012 00:00:00	2012-0051421-A1	07/04/2015 00:00:00	9001889
PE109069	PE109069-US-PT	US	PT	29/06/2009 00:00:00	29/06/2010 00:00:00	13,381,224	10/05/2012 00:00:00	2012-0113130-A1	21/07/2015 00:00:00	9087382
PE109081	PE109081-US-PT	US	PT	30/07/2009 00:00:00	22/07/2010 00:00:00	13,388,047	24/05/2012 00:00:00	2012-012068-A1	14/04/2015 00:00:00	9008128
PE109038	PE109038-US-PT	US	PT	23/04/2009 00:00:00	22/07/2010 00:00:00	13,384,796	17/05/2012 00:00:00	2012-0121009-A1		
PE109038	PE109038-US-PT	US	PT	23/04/2009 00:00:00	20/04/2010 00:00:00	13,388,927	16/02/2012 00:00:00	2012-0039373-A1		
PE109049	PE109049-US-PT	US	PT	19/02/2010 00:00:00	10/12/2010 00:00:00	13,579,049	06/12/2012 00:00:00	2012-0311640-A1		
PE109029	PE109029-US-PT	US	PT	08/02/2010 00:00:00	07/02/2011 00:00:00	13,576,605	06/12/2012 00:00:00	2012-0308134-A1	11/11/2014 00:00:00	8887200
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PE109001	PE109001-US-PT	US	NP	18/01/1999 00:00:00	07/01/2000 00:00:00	09,479,603			15/06/2004 00:00:00	6251594
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PE109044	PE109044-US-PT	US	NP	14/07/1999 00:00:00	14/07/1999 00:00:00	09,353,221			30/01/2001 00:00:00	6181217
PE109044	PE109044-US-PT	US	NP	06/03/2003 00:00:00	26/02/2004 00:00:00	10,546,715	16/08/2007 00:00:00	2007-0189389-A1	24/02/2009 00:00:00	7495642
PE109034	PE109034-US-PT	US	PT	17/01/2003 00:00:00	07/07/2003 00:00:00	10,542,468	20/04/2006 00:00:00	2006-0082601-A1	03/03/2009 00:00:00	7499382
PE109024	PE109024-US-PT	US	PT	15/05/2002 00:00:00	08/05/2003 00:00:00	10,514,090	25/08/2005 00:00:00	2005-0185573-A1	18/11/2008 00:00:00	7454773
PE109023	PE109023-US-PT	US	PT	10/05/2002 00:00:00	08/05/2003 00:00:00	10,513,891	28/07/2005 00:00:00	2005-0166221-A1	03/09/2013 00:00:00	8526482
PE109017	PE109017-US-PT	US	PT	05/01/2004 00:00:00	04/11/2004 00:00:00	10,584,558	29/11/2007 00:00:00	2007-0224384-A1		
PE109012	PE109012-US-PT	US	PT	05/01/2004 00:00:00	04/11/2005 00:00:00	10,584,324	03/09/2009 00:00:00	2009-0222871-A1		
PE109016	PE109016-US-PT	US	PT	25/06/2003 00:00:00	32/06/2004 00:00:00	10,562,250	07/09/2006 00:00:00	2006-0198440-A1	05/10/2010 00:00:00	7809059
PE109010	PE109010-US-PT	US	PT	05/05/2003 00:00:00	30/04/2004 00:00:00	10,554,936	08/02/2007 00:00:00	2007-0053098-A1	15/03/2011 00:00:00	7907639
PE109032	PE109032-US-PT	US	PT	02/12/2004 00:00:00	15/06/2005 00:00:00	11,791,288	13/03/2008 00:00:00	2008-0063052-A1		
PE109041	PE109041-US-PT	US	PT	04/05/2004 00:00:00	21/04/2005 00:00:00	11,579,225	27/08/2007 00:00:00	2007-0223045-A1	01/03/2011 00:00:00	7899119
PE109035	PE109035-US-PT	US	NP	28/09/2004 00:00:00	28/09/2005 00:00:00	11,237,421	01/06/2006 00:00:00	2006-0157166-A1	23/09/2014 00:00:00	8842226
PE109021	PE109021-US-PT	US	PT	03/10/2005 00:00:00	03/10/2005 00:00:00	11,992,558	31/12/2009 00:00:00	2009-0327959-A1		
PE109009	PE109009-US-PT	US	NP	30/06/2008 00:00:00	30/06/2009 00:00:00	12,485,950	31/12/2009 00:00:00	2009-0324088-A1	12/02/2013 00:00:00	8374436
PE109008	PE109008-US-PT	US	NP	30/06/2008 00:00:00	10/06/2009 00:00:00	12,485,972	23/06/2010 00:00:00	2010-0154426-A1		
PE109016	PE109016-US-PT	US	PT	22/08/2008 00:00:00	19/10/2008 00:00:00	12,737,044	19/08/2010 00:00:00	2010-0206810-A1	26/02/2013 00:00:00	8385412
PE109046	PE109046-US-PT	US	PT	15/10/2007 00:00:00	14/10/2008 00:00:00	12,734,175	20/06/2010 00:00:00	2010-0206810-A1		
PE109011	PE109011-US-PT	US	PT	20/03/2008 00:00:00	13/03/2008 00:00:00	12,737,871	26/01/2010 00:00:00	2010-0206810-A1	09/01/2013 00:00:00	8351512
PE109011	PE109011-US-PT	US	PT	20/03/2008 00:00:00	28/03/2011 00:00:00	12,738,111	26/01/2010 00:00:00	2010-0206810-A1	27/08/2013 00:00:00	8351512
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PE109002	PE109002-US-PT	US	PT	11/01/1997 00:00:00	09/01/1997 00:00:00	08,913,703				
PE109013	PE109013-US-PT	US	NP	12/11/1997 00:00:00	13/11/1998 00:00:00	09,191,655				
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PE109013	PE109013-US-PT	US	NP	14/12/2001 00:00:00	13/06/2002 00:00:00	10,170,955	19/06/2003 00:00:00	2003-013101-A1	06/10/2006 00:00:00	7120265
PE109016	PE109016-US-PT	US	NP	23/10/2001 00:00:00	19/12/2001 00:00:00	10,025,160	19/06/2003 00:00:00	2003-013101-A1	05/04/2008 00:00:00	7599604
PE109061	PE109061-US-PT	US	PT	23/10/2001 00:00:00	11/10/2002 00:00:00	10,493,286	09/12/2004 00:00:00	2004-0247035-A1	11/03/2008 00:00:00	7342944
PE109004	PE109004-US-PT	US	PT	18/10/2002 00:00:00	16/12/2003 00:00:00	10,540,644	23/03/2006 00:00:00	2006-0063058-A1	13/11/2007 00:00:00	7291804
PE109044	PE109044-US-PT	US	PT	06/01/2003 00:00:00	16/12/2003 00:00:00	10,531,220	09/02/2006 00:00:00	2006-0063058-A1	04/05/2010 00:00:00	7711970
PE109046	PE109046-US-PT	US	PT	31/01/2005 00:00:00	31/01/2005 00:00:00	11,755,562	14/05/2009 00:00:00	2009-0122131-A1	12/08/2014 00:00:00	8804742
PE109010	PE109010-US-PT	US	NP	06/07/2004 00:00:00	01/07/2005 00:00:00	11,714,615	23/02/2006 00:00:00	2006-0039479-A1	15/11/2014 00:00:00	8059727
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PE109015	PE109015-US-PT	US	PT	11/05/2007 00:00:00	08/05/2008 00:00:00	12,151,745	13/11/2008 00:00:00	2008-0278510-A1	14/09/2010 00:00:00	7796090
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PE109015	PE109015-US-PT	US	PT	27/06/2007 00:00:00	04/04/2007 00:00:00	12,376,686	11/10/2007 00:00:00	2010-0142614-A1	04/02/2014 00:00:00	8644652
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PE109012	PE109012-US-PT	US	PT	25/04/2008 00:00:00	23/04/2009 00:00:00	12,755,613	04/11/2010 00:00:00	2011-0170599-A1	17/06/2014 00:00:00	8755436
PE109001	PE109001-US-PT	US	PT	07/01/2009 00:00:00	22/06/2009 00:00:00	14,322,666	07/01/2014 00:00:00	2014-0307677-A1	18/03/2014 00:00:00	8676584
PE109055	PE109055-US-PT	US	NP	06/01/2012 00:00:00	27/12/2012 00:00:00	14,322,666	06/12/2012 00:00:00	2012-0307897-A1		
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PE109012	PE109012-US-PT	US	PT	10/12/2009 00:00:00	24/09/2012 00:00:00	14,349,755	18/08/2014 00:00:00	2014-0282702-A1		
PE110084	PE110084-US-PT	US	PT	05/01/2013 00:00:00	19/01/2013 00:00:00	13,575,105	01/08/2013 00:00:00	2013-005181-A1		
PE110007	PE110007-US-PT	US	PT	12/10/2011 00:00:00	12/10/2012 00:00:00	13,650,603	18/04/2013 00:00:00	2013-0094587-A1		

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PA100023	PA100023-US-PT	US	PT	31/12/2011 00:00:00	31/12/2011 00:00:00	14/389712				

PATENT

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PL0080180	PL0080180-US-PT	US	PT	13/11/2008 00:00:00	10/05/2011 00:00:00	11,128,467	15/09/2011 00:00:00	2011-0122260-A1		
PC060123	PC060123-US-PT	US	NP	07/10/2009 00:00:00	22/02/2009 00:00:00	12,566,442	05/08/2010 00:00:00	2010-0199300-A1	19/08/2014 00:00:00	8813119
PF100054	PF100054-US-NP	US	NP	16/09/2010 00:00:00	25/08/2011 00:00:00	13,199,930	31/01/2013 00:00:00	2013-0028511-A1	07/05/2013 00:00:00	8443543
PL0090143	PL0090143-US-PT	US	PT	05/10/2009 00:00:00	29/09/2010 00:00:00	13,498,467	19/07/2012 00:00:00	2012-0183053-A1		
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RC488321	RC488321-US-NP	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-NP	US	NP		17/08/1998 00:00:00	09,125,323			23/10/2001 00:00:00	6307597
RC488229	RC488229-US-NP	US	NP		12/03/1998 00:00:00	09,125,323			12/11/2001 00:00:00	6480238
RC488652	RC488652-US-PT	US	PT	20/07/1998 00:00:00	20/07/1999 00:00:00	09,744,111			13/08/2002 00:00:00	6443039
RC490187	RC490187-US-NP	US	NP	09/06/2000 00:00:00	09/06/2002 00:00:00	10,190,815			17/05/2005 00:00:00	6894725
PL010114	PL010114-US-NP	US	NP	03/12/2000 00:00:00	05/07/2002 00:00:00	10,206,690	05/06/2003 00:00:00	2003-0103163-A1	25/10/2005 00:00:00	6695955
PL020341	PL020341-US-NP	US	NP	26/07/2002 00:00:00	26/07/2002 00:00:00	09,737,403	29/01/2004 00:00:00	2004-0017865-A1	20/05/2002 00:00:00	6567252
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RC489208	RC489208-US-PT	US	PT	23/06/1998 00:00:00	06/05/1999 00:00:00	09,719,884			02/01/2001 00:00:00	6564642
RC489584	RC489584-US-NP	US	NP	14/07/1999 00:00:00	14/07/1999 00:00:00	09,353,400	14/03/2002 00:00:00	2002-0031180-A1	01/11/2005 00:00:00	6661379
PC000022	PC000022-US-NP	US	NP	12/07/2000 00:00:00	14/12/2001 00:00:00	10,017,616	06/03/2003 00:00:00	2003-0043300-A1	09/11/2004 00:00:00	6816203
PL010179	PL010179-US-NP	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-CPA	US	CPA	22/12/1998 00:00:00	28/04/2003 00:00:00	10,424,895	06/11/2003 00:00:00	2003-0210354-A1	20/01/2009 00:00:00	7479934
PC020042	PC020042-US-NP	US	NP	07/05/2002 00:00:00	28/04/2003 00:00:00	10,424,895	06/11/2003 00:00:00	2003-0206185-A1	27/10/2009 00:00:00	7609235
PC020038	PC020038-US-NP	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
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PC030151	PC030151-US-NP	US	NP	11/06/2004 00:00:00	07/06/2005 00:00:00	11,146,773	29/12/2005 00:00:00	2005-0286861-A1	06/09/2011 00:00:00	8015588
RC489477	RC489477-US-CNT11	US	CNT	15/07/1999 00:00:00	08/12/2006 00:00:00	11,656,548	14/06/2007 00:00:00	2007-0070751-A1	03/09/2013 00:00:00	8525931
PC050197	PC050197-US-NP	US	NP	12/12/2005 00:00:00	22/09/2006 00:00:00	11,656,548	14/06/2007 00:00:00	2007-0133674-A1	06/03/2012 00:00:00	8131236
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PL0060120	PL0060120-US-NP	US	NP	03/10/2008 00:00:00	01/10/2009 00:00:00	12,567,049	06/04/2009 00:00:00	2009-0084672-A1	05/08/2014 00:00:00	8736149
PL101080	PL101080-US-PT	US	PT	15/10/2007 00:00:00	14/10/2008 00:00:00	12,267,784	30/06/2009 00:00:00	2009-0100731-A1		
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PL1100135	PL1100135-US-PT	US	PT	24/06/2011 00:00:00	19/06/2012 00:00:00	14,138,632	08/05/2014 00:00:00	2014-0112683-A1		
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PL009096	PL009096-US-DIV11	US	DIV	11/05/2009 00:00:00	09/10/2009 00:00:00	12,587,685	11/02/2011 00:00:00	2011-0056945-A1	28/04/2015 00:00:00	9020287
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RC487953	RC487953-US-NP	US	NP	25/01/1996 00:00:00	17/08/1996 00:00:00	08,591,075			24/03/1998 00:00:00	6144415
RC488600	RC488600-US-NP	US	NP	07/03/1996 00:00:00	17/08/1996 00:00:00	09,125,320			10/04/2004 00:00:00	6215424
RC488969	RC488969-US-NP	US	NP	16/12/1998 00:00:00	16/12/1998 00:00:00	09,213,041			11/06/2002 00:00:00	6404461
PC980013	PC980013-US-NP	US	NP	14/04/1998 00:00:00	11/03/1999 00:00:00	09,266,430			20/01/2004 00:00:00	6681209
PC980029	PC980029-US-CPA	US	CPA	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
PL020109	PL020109-US-PT	US	PT	31/10/2000 00:00:00	06/03/2003 00:00:00	10,383,356	09/09/2004 00:00:00	2004-0041949-A1	09/10/2012 00:00:00	8285727
PC000017	PC000017-US-PT	US	PT	18/11/2000 00:00:00	09/11/2001 00:00:00	10,432,146	04/03/2004 00:00:00	2004-0041949-A1	28/11/2006 00:00:00	7149253
PC030073	PC030073-US-PT	US	PT	07/07/2003 00:00:00	29/06/2004 00:00:00	10,563,432	26/07/2007 00:00:00	2007-0171687-A1	19/10/2010 00:00:00	7649755
PC020008	PC020008-US-PT	US	PT	08/05/2002 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	8064751
PL030257	PL030257-US-PT	US	PT	26/08/2002 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
PC400034	PC400034-US-PT	US	PT	12/03/2004 00:00:00	28/02/2005 00:00:00	10,592,820	25/09/2008 00:00:00	2008-0023473-A1	14/06/2011 00:00:00	7961785
PC400106	PC400106-US-NP	US	NP	05/07/2004 00:00:00	16/06/2005 00:00:00	11,154,360	05/01/2006 00:00:00	2006-0002684-A1	13/12/2011 00:00:00	8078034
PC040023	PC040023-US-PT	US	PT	17/02/2004 00:00:00	04/02/2005 00:00:00	10,598,448	30/08/2007 00:00:00	2007-0203695-A1	30/03/2010 00:00:00	7688871
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RC489647	RC489647-US-DIV21	US	DIV	15/07/1999 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
PL0080124	PL0080124-US-PT	US	PT	20/08/2008 00:00:00	06/08/2009 00:00:00	12,737,638	16/06/2011 00:00:00	2011-0142138-A1		
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PL020725	PL020725-US-NP	US	NP	07/12/2008 00:00:00	07/11/2008 00:00:00	12,291,330	11/06/2009 00:00:00	2009-0147850-A1	08/10/2013 00:00:00	8553781
PL0808071	PL0808071-US-PT	US	PT	28/05/2008 00:00:00	28/05/2008 00:00:00	12,994,984	24/03/2010 00:00:00	2011-0065964-A1	15/10/2013 00:00:00	8559501
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PL100096	PL100096-US-PT	US	PT	23/04/2011 00:00:00	18/04/2011 00:00:00	13,642,444	14/02/2013 00:00:00	2013-0041862-A1	27/01/2015 00:00:00	8943523
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Family	Application	Country	Protection Type	Fam 1st Prior Fil Date	FILINGDATE	FILINGNUMBER	PUBLICATIONDATE	PUBLICATIONNUMBER	GRANTDATE	GRANTNUMBER
PE100169	PE100169-US-PT	US	PT	29/07/2010 00:00:00	29/07/2010 00:00:00	13.810408	09/09/2013 00:00:00	2013-0114550-A1	21/04/2015 00:00:00	9014227
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PE1009079	PE1009079-US-NP	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		
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PE1009142	PE1009142-US-PT	US	PT	15/10/2010 00:00:00	15/10/2010 00:00:00	13.577476	17/01/2013 00:00:00	2013-0016768-A1		
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RC488404	RC488404-US-NP	US	NP	15/11/1996 00:00:00	15/11/1996 00:00:00	08.749714			21/09/1999 00:00:00	5956240
RC488707	RC488707-US-NP	US	NP	10/07/1997 00:00:00	09/04/1998 00:00:00	09.057546			29/08/2000 00:00:00	6111611
PE968036	PE968036-US-NP	US	NP	06/09/1996 00:00:00	18/08/1997 00:00:00	08.912656			14/11/2000 00:00:00	6148107
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PE980045	PE980045-US-PT	US	PT	17/07/1999 00:00:00	16/07/1999 00:00:00	09.743970	25/03/2004 00:00:00	2004-0057498-A1	12/02/2006 00:00:00	6975486
PE100238	PE100238-US-PT	US	NP	23/09/2002 00:00:00	23/09/2002 00:00:00	10.252573	01/05/2003 00:00:00	2003-0080912-A1	12/07/2005 00:00:00	6979486
PE100130	PE100130-US-NP	US	NP	29/10/2001 00:00:00	09/07/2001 00:00:00	10.280495	22/01/2004 00:00:00	2004-0012456-A1	12/06/2007 00:00:00	6973482
PE100076	PE100076-US-PT	US	PT	21/07/2000 00:00:00	24/10/2001 00:00:00	10.333320	27/06/2002 00:00:00	2002-0080268-A1	28/02/2006 00:00:00	7206447
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PE1002144	PE1002144-US-PT	US	PT	22/04/2002 00:00:00	10/09/2003 00:00:00	10.519230	22/06/2006 00:00:00	2006-0133492-A1	21/09/2010 00:00:00	7891217
PE1003025	PE1003025-US-PT	US	PT	01/10/2002 00:00:00	12/04/2003 00:00:00	10.51834	22/06/2009 00:00:00	2009-0206321-A1	10/10/2006 00:00:00	7120003
PE1002033	PE1002033-US-PT	US	PT	22/04/2002 00:00:00	04/01/2005 00:00:00	10.51834	04/06/2009 00:00:00	2009-0144608-A1	04/12/2012 00:00:00	8326900
PE1004009	PE1004009-US-PT	US	PT	06/01/2004 00:00:00	14/06/2005 00:00:00	11.52611	05/01/2006 00:00:00	2006-0002512-A1	25/12/2012 00:00:00	83240176
PE1004098	PE1004098-US-PT	US	PT	02/03/2004 00:00:00	21/02/2005 00:00:00	10.590307	31/01/2008 00:00:00	2008-0025994-A1	08/05/2012 00:00:00	8175153
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RC489637	RC489637-US-NP	US	NP	15/07/1999 00:00:00	31/05/2000 00:00:00	09.584148	04/12/2014 00:00:00	2014-0354652-A1	14/10/2003 00:00:00	
PE110195	PE110195-US-PT	US	PT	13/01/2012 00:00:00	08/10/2012 00:00:00	14.317018	15/08/2013 00:00:00	2013-0208782-A1		
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PE1002039	PE1002039-US-PT	US	PT	23/03/2012 00:00:00	09/07/2012 00:00:00	14.380394	22/01/2015 00:00:00	2015-0036764-A1		
PE100103	PE100103-US-PT	US	PT	20/03/2012 00:00:00	28/03/2012 00:00:00	14.380788	30/10/2014 00:00:00	2014-0203592-A1		
PE100103	PE100103-US-PT	US	PT	00/11/2011 00:00:00	28/11/2012 00:00:00	14.38234	08/09/2011 00:00:00	2011-0216820-A1	01/04/2014 00:00:00	8687013
PE100036	PE100036-US-NP	US	NP	22/02/2010 00:00:00	16/03/2010 00:00:00	11.9323185	21/06/2012 00:00:00	2012-0159544-A1	10/09/2014 00:00:00	8750371
PE100123	PE100123-US-NP	US	NP	23/12/2010 00:00:00	12/12/2011 00:00:00	11.9323185				
RC488838	RC488838-US-PT	US	PT	18/12/1996 00:00:00	15/12/1997 00:00:00	09.319822				6600845
RC488207	RC488207-US-NP	US	NP	18/12/1996 00:00:00	01/06/1998 00:00:00	09.319215				6608955
PE960006	PE960006-US-PT	US	PT	02/02/1996 00:00:00	13/01/1997 00:00:00	09.028390				6154481
PE970053	PE970053-US-NP	US	NP	31/12/1997 00:00:00	14/12/1998 00:00:00	09.211811				7222353
RC488936	RC488936-US-NP	US	NP	18/12/1997 00:00:00	16/06/2001 00:00:00	09.581753				7220520
RC4889266	RC4889266-US-PT	US	PT	12/03/2001 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
PE100164	PE100164-US-PT	US	PT	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
RC489385	RC489385-US-NP	US	NP	16/04/2001 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
PE1001069	PE1001069-US-PT	US	PT	25/11/1998 00:00:00	11/11/1999 00:00:00	09.856444				6534333
PE980080	PE980080-US-PT	US	PT	09/06/2000 00:00:00	05/06/2001 00:00:00	09.874696	14/02/2002 00:00:00	2002-0018019-A1	18/03/2003 00:00:00	6535169
PE100055	PE100055-US-NP	US	NP	10/05/2001 00:00:00	10/05/2001 00:00:00	09.852570	12/12/2002 00:00:00	2002-0187796-A1	17/05/2005 00:00:00	6895252
RC489727	RC489727-US-PT	US	PT	20/08/1999 00:00:00	20/08/1999 00:00:00	09.378671				7099561
RC489735	RC489735-US-NP	US	NP	31/08/2000 00:00:00	31/08/2000 00:00:00	09.653603				6466178
PE100134	PE100134-US-PT	US	PT	30/10/2001 00:00:00	17/10/2002 00:00:00	10.494172	27/10/2005 00:00:00	2005-0240973-A1	11/12/2007 00:00:00	7307671
PE1003013	PE1003013-US-PT	US	PT	28/01/2003 00:00:00	21/01/2004 00:00:00	10.543043	09/03/2006 00:00:00	2006-0060780-A1	15/04/2014 00:00:00	8699564
PE1004011	PE1004011-US-PT	US	PT	03/07/2003 00:00:00	02/07/2004 00:00:00	10.562719	14/09/2006 00:00:00	2006-0202994-A1	15/09/2008 00:00:00	7590938
PE1004015	PE1004015-US-PT	US	PT	26/01/2004 00:00:00	26/01/2004 00:00:00	10.587288	21/06/2007 00:00:00	2007-0139556-A1	25/11/2008 00:00:00	7459907
PE1004172	PE1004172-US-PT	US	PT	17/12/2005 00:00:00	12/12/2005 00:00:00	11.793549	04/06/2009 00:00:00	2008-0142033-A1	22/01/2013 00:00:00	8358917
PE1004153	PE1004153-US-PT	US	PT	18/05/2004 00:00:00	05/05/2005 00:00:00	11.556497	21/06/2009 00:00:00	2008-0043149-A1	09/08/2011 00:00:00	7995147
PE10050276	PE10050276-US-PT	US	PT	07/12/2005 00:00:00	26/10/2006 00:00:00	12.085257	24/09/2009 00:00:00	2009-0238280-A1		
PE1005098	PE1005098-US-PT	US	PT	18/02/2005 00:00:00	14/02/2006 00:00:00	11.884558	29/01/2009 00:00:00	2009-0028245-A1	01/01/2013 00:00:00	8345762
PE1005210	PE1005210-US-PT	US	PT	31/08/2005 00:00:00	26/06/2006 00:00:00	12.093199	05/03/2009 00:00:00	2009-0050914-A1		
RC488641	RC488641-US-DIV11	US	DIV	14/04/1997 00:00:00	23/09/1997 00:00:00	11.931026	21/08/2008 00:00:00	2008-0199144-A1	19/08/2014 00:00:00	8810734
PE1008024	PE1008024-US-PT	US	PT	16/05/2007 00:00:00	16/04/2008 00:00:00	12.450707	06/05/2010 00:00:00	2010-0111193-A1		
PE10080186	PE10080186-US-PT	US	PT	28/06/2008 00:00:00	14/01/2008 00:00:00	12.775361	23/07/2009 00:00:00	2009-0186165-A1	18/08/2015 00:00:00	9111142
PE1007042	PE1007042-US-PT	US	PT	14/01/2008 00:00:00	21/06/2010 00:00:00	13.705195	11/11/2013 00:00:00	2010-0283909-A1	24/06/2014 00:00:00	8761310
PE1000019	PE1000019-US-PT	US	PT	06/03/2003 00:00:00	06/09/2012 00:00:00	13.700642	27/12/2012 00:00:00	2012-0330943-A1	19/05/2015 00:00:00	9036932
PE1002052	PE1002052-US-PT	US	PT	07/06/2010 00:00:00	12/12/2012 00:00:00	14.372738				
PE100129	PE100129-US-PT	US	PT	12/03/2012 00:00:00	06/02/2013 00:00:00	14.377508				
PE120022	PE120022-US-PT	US	PT	13/02/2012 00:00:00	18/08/2010 00:00:00	13.817256				
PE100167	PE100167-US-PT	US	PT	04/06/2010 00:00:00	14/05/2011 00:00:00	13.088549				
PE100042	PE100042-US-NP	US	NP	18/02/1999 00:00:00	16/08/2000 00:00:00	09.622329	06/06/2013 00:00:00	2013-0145194-A1		
RC489399	RC489399-US-NP	US	NP				08/12/2011 00:00:00	2011-0302555-A1	18/04/2005 00:00:00	7032236

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PC988993	PC988992-US-NP	US	NP	02/08/1998 00:00:00	07/08/1998 00:00:00	09130872			15/05/2001 00:00:00	6233020
PF990072	PF990072-US-NP	US	NP	10/11/1998 00:00:00	06/11/2000 00:00:00	09705684			04/11/2008 00:00:00	7484059
PU010140	PU010140-US-NP	US	NP	29/06/2001 00:00:00	29/06/2001 00:00:00	09895666	02/01/2003 00:00:00	2003-0001881-A1	06/07/2010 00:00:00	7752540
PF980059	PF980059-US-PT	US	PT	07/09/1998 00:00:00	06/09/1999 00:00:00	09786642			05/08/2008 00:00:00	7408987
PU010002	PU010002-US-PT	US	PT	14/02/2001 00:00:00	04/02/2002 00:00:00	10467815	08/04/2004 00:00:00	2004-0068402-A1	02/14/2008 00:00:00	7486059
RC489548	RC489548-US-NP	US	NP	25/05/1999 00:00:00	16/02/2002 00:00:00	09506673			04/04/2008 00:00:00	7024676
PF010026	PF010026-US-NP	US	NP	14/03/2001 00:00:00	28/02/2002 00:00:00	10986603	19/09/2002 00:00:00	2002-0131507-A1	09/10/2007 00:00:00	7286060
RC489790	RC489790-US-NP	US	NP	11/01/2000 00:00:00	11/01/2000 00:00:00	09481040			26/12/2000 00:00:00	6166926
PU060030	PU060030-US-PT	US	PT	15/05/1996 00:00:00	28/05/1999 00:00:00	09322642	25/07/2002 00:00:00	2002-0098882-A1	01/04/2003 00:00:00	6542725
PU010133	PU010133-US-PT	US	PT	21/12/2002 00:00:00	16/12/2002 00:00:00	10499555	27/02/2005 00:00:00	2005-0084315-A1	28/08/2007 00:00:00	7263469
PU010178	PU010178-US-PT	US	PT	04/04/2002 00:00:00	02/04/2003 00:00:00	10509943	27/07/2006 00:00:00	2006-0164048-A1	03/04/2007 00:00:00	7199562
PU020082	PU020082-US-PT	US	PT	03/04/2002 00:00:00	03/04/2003 00:00:00	10509970	11/08/2005 00:00:00	2005-0175448-A1	07/02/2006 00:00:00	6996389
PF020098	PF020098-US-PT	US	PT	30/07/2002 00:00:00	31/07/2003 00:00:00	10523182	28/06/2007 00:00:00	2007-0146224-A1	12/01/2009 00:00:00	7479929
PU040276	PU040276-US-PT	US	PT	14/10/2003 00:00:00	12/10/2004 00:00:00	10755501	15/03/2007 00:00:00	2007-0088666-A1	16/03/2010 00:00:00	7680356
PF050026	PF050026-US-PT	US	PT	07/01/2005 00:00:00	22/12/2005 00:00:00	11794858	24/04/2008 00:00:00	2008-0093452-A1	12/07/2015 00:00:00	9087230
PU040245	PU040245-US-PT	US	PT	03/09/2004 00:00:00	26/08/2005 00:00:00	11661947	24/04/2008 00:00:00	2008-0094514-A1	15/11/2011 00:00:00	8085902
PF040055	PF040055-US-PT	US	PT	06/04/2004 00:00:00	31/03/2005 00:00:00	11547372	20/11/2009 00:00:00	2008-0288438-A1	12/06/2012 00:00:00	8198916
PU050015	PU050015-US-PT	US	PT	06/04/2005 00:00:00	20/03/2006 00:00:00	11887811	19/11/2009 00:00:00	2009-0285299-A1	05/03/2013 00:00:00	8391363
PU050226	PU050226-US-PT	US	PT	29/09/2005 00:00:00	07/09/2006 00:00:00	11992702	01/07/2010 00:00:00	2010-0166071-A1	19/03/2013 00:00:00	8400465
PF070071	PF070071-US-PT	US	PT	27/06/2007 00:00:00	20/06/2008 00:00:00	12452966	02/09/2010 00:00:00	2010-0220111-A1		
PU070032	PU070032-US-PT	US	PT	29/03/2006 00:00:00	27/02/2007 00:00:00	12224817	20/08/2009 00:00:00	2009-0207904-A1		
CT980003	CT980003-US-CNT 21	US	CNT	25/03/1998 00:00:00	26/01/2007 00:00:00	11698460	31/05/2009 00:00:00	2007-0124594-A1	21/12/2010 00:00:00	7856557
RC489027	RC489027-US-DIV11	US	DIV	30/06/1998 00:00:00	10/11/2008 00:00:00	12291531	21/05/2009 00:00:00	2009-0133072-A1	24/06/2014 00:00:00	8765306
PU080063	PU080063-US-PT	US	PT	25/04/2008 00:00:00	09/01/2009 00:00:00	12775612	06/01/2011 00:00:00	2011-0004894-A1		
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PU090098	PU090098-US-PT	US	PT	14/10/2010 00:00:00	28/12/2009 00:00:00	13519517	15/11/2012 00:00:00	2012-0287803-A1	13/01/2015 00:00:00	8934330
PU010012	PU010012-US-PT	US	PT	22/01/2012 00:00:00	20/01/2011 00:00:00	13519517	22/11/2012 00:00:00	2012-0284550-A1	15/07/2014 00:00:00	8781253
PU110141	PU110141-US-PT	US	PT	15/02/2012 00:00:00	15/02/2012 00:00:00	14371373	04/12/2014 00:00:00	2014-0358670-A1		
PU110074	PU110074-US-PT	US	PT	28/11/2011 00:00:00	26/09/2012 00:00:00	14360662	26/09/2014 00:00:00	2014-0307770-A1	07/10/2014 00:00:00	8855576
PU100167	PU100167-US-PT	US	PT	10/09/2011 00:00:00	09/09/2011 00:00:00	13821283	27/06/2013 00:00:00	2013-0078929-A1		
PU100116	PU100116-US-PT	US	PT	19/07/2011 00:00:00	20/06/2012 00:00:00	14235356	06/06/2013 00:00:00	2013-0156379-A1		
PU090148	PU090148-US-PT	US	PT	19/09/2011 00:00:00	18/09/2011 00:00:00	13811029	06/06/2013 00:00:00	2013-0145023-A1		
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PU100138	PU100138-US-PT	US	PT	15/07/2012 00:00:00	15/07/2012 00:00:00	14378450	05/07/2015 00:00:00	2015-0000014-A1		
PU050006	PU050006-US-DIV	US	DIV	08/01/2006 00:00:00	18/06/2014 00:00:00	11430825	01/07/2015 00:00:00	2015-0003852-A1		
PU090187	PU090187-US-PT	US	PT	15/12/2010 00:00:00	13/12/2010 00:00:00	13515665	04/10/2012 00:00:00	2012-0248756-A1	12/05/2015 00:00:00	9030550
PU100047	PU100047-US-PT	US	PT	19/07/2010 00:00:00	08/12/2010 00:00:00	13515665	29/11/2012 00:00:00	2012-0344231-A1	29/07/2014 00:00:00	8867634
PU090031	PU090031-US-PT	US	PT	12/03/2010 00:00:00	12/03/2010 00:00:00	135138685			12/10/2014 00:00:00	7533400
RC488469	RC488469-US-PT	US	PT	14/04/1997 00:00:00	12/09/1997 00:00:00	09402517			12/05/2008 00:00:00	6628012
RC489007	RC489007-US-PT	US	PT	17/04/1998 00:00:00	16/04/1999 00:00:00	09673041			11/01/2004 00:00:00	6118494
RC488225	RC488225-US-NP	US	NP	15/10/1996 00:00:00	23/03/1999 00:00:00	09147307			12/09/2000 00:00:00	5796596
RC488211	RC488211-US-NP	US	NP	15/11/1996 00:00:00	15/11/1996 00:00:00	08724949			18/08/1998 00:00:00	6031295
RC488512	RC488512-US-NP	US	NP	02/12/1996 00:00:00	02/12/1996 00:00:00	08725319			29/02/2000 00:00:00	6766026
PU000149	PU000149-US-NP	US	NP	15/12/2000 00:00:00	15/12/2000 00:00:00	09737653	20/06/2002 00:00:00	2002-0076063-A1	20/07/2004 00:00:00	
PU010081	PU010081-US-NP	US	NP	10/05/2001 00:00:00	10/05/2001 00:00:00	09853001	19/12/2002 00:00:00	2002-0191252-A1		
PF010036	PF010036-US-NP	US	NP	17/04/2002 00:00:00	10/04/2002 00:00:00	107119605	17/10/2002 00:00:00	2002-0151330-A1	23/05/2006 00:00:00	7050830
PU020044	PU020044-US-NP	US	NP	26/02/2002 00:00:00	26/02/2002 00:00:00	10783865	28/08/2003 00:00:00	2003-0163820-A1	15/07/2008 00:00:00	7401349
RC489783	RC489783-US-PT	US	PT	08/09/1999 00:00:00	23/08/2000 00:00:00	09644337			16/05/2006 00:00:00	7047313
RC489982	RC489982-US-NP	US	NP	05/01/2000 00:00:00	08/09/2000 00:00:00	107869332				
PU020116	PU020116-US-PT	US	PT	16/04/2002 00:00:00	21/01/2003 00:00:00	10511398	30/06/2005 00:00:00	2005-0141629-A1	30/10/2007 00:00:00	7289569
PU010287	PU010287-US-NP	US	NP	31/01/2002 00:00:00	24/01/2003 00:00:00	10347954	18/12/2003 00:00:00	2003-0145337-A1	06/05/2008 00:00:00	7369180
PU020276	PU020276-US-NP	US	NP	14/06/2002 00:00:00	14/12/2003 00:00:00	10531129	01/11/2007 00:00:00	2007-0251441-A1	08/02/2008 00:00:00	7297363
PU030134	PU030134-US-PT	US	PT	18/12/2003 00:00:00	05/12/2002 00:00:00	10459323	02/06/2005 00:00:00	2005-0116694-A1	24/07/2007 00:00:00	7248485
PU010083	PU010083-US-PT	US	PT	17/12/2003 00:00:00	17/06/2004 00:00:00	10506567	31/08/2006 00:00:00	2006-0193885-A1		
PU030164	PU030164-US-PT	US	PT	25/06/2003 00:00:00	07/10/2005 00:00:00	11246474	20/04/2006 00:00:00	2006-0083314-A1	06/09/2011 00:00:00	8014558
PU040285	PU040285-US-NP	US	NP	18/10/2004 00:00:00	11/01/2005 00:00:00	110568123	05/07/2007 00:00:00	2007-0153892-A1	30/06/2015 00:00:00	9071840
PU040035	PU040035-US-PT	US	PT	30/01/2004 00:00:00	28/07/2006 00:00:00	11495525	23/11/2006 00:00:00	2006-0263056-A1		
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PU060190	PU060190-US-PT	US	PT	13/10/2006 00:00:00	17/11/2006 00:00:00	12514636	31/12/2009 00:00:00	2009-0328600-A1	17/09/2013 00:00:00	8537894
PU080157	PU080157-US-PT	US	PT	15/10/2007 00:00:00	14/10/2008 00:00:00	12774173	19/08/2010 00:00:00	2010-0208090-A1	03/06/2014 00:00:00	8743958
PF070132	PF070132-US-NP	US	NP	14/12/2007 00:00:00	10/12/2008 00:00:00	12316248	18/06/2009 00:00:00	2009-0145651-A1	27/05/2014 00:00:00	8734744
PU070031	PU070031-US-PT	US	PT	27/06/2007 00:00:00	27/06/2007 00:00:00	12773365	24/02/2011 00:00:00	2011-0044864-A1	18/12/2012 00:00:00	8335252
PU060030	PU060030-US-PT	US	PT	07/09/2006 00:00:00	07/09/2006 00:00:00	13704599	15/08/2013 00:00:00	2013-0208807-A1		
PF100045	PF100045-US-PT	US	PT	15/06/2010 00:00:00	07/06/2011 00:00:00	13704599	03/01/2013 00:00:00	2013-0007806-A1		
PU100073	PU100073-US-PT	US	PT	22/03/2010 00:00:00	22/03/2011 00:00:00	13634610	10/01/2013 00:00:00	2013-0007806-A1		
PU100062	PU100062-US-PT	US	PT	01/04/2010 00:00:00	01/04/2011 00:00:00	13634610	10/01/2013 00:00:00	2013-0007806-A1		
PF110029	PF110029-US-NP	US	NP	15/10/2012 00:00:00	15/10/2012 00:00:00	13651554	18/04/2013 00:00:00	2013-0097372-A1		
PU100027	PU100027-US-PT	US	PT	21/07/2013 00:00:00	21/07/2013 00:00:00	13810124	16/05/2013 00:00:00	2013-0120544-A1		
PU100219	PU100219-US-PT	US	PT	15/02/2011 00:00:00	15/02/2011 00:00:00	13985565	05/12/2013 00:00:00	2013-0322544-A1		

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PA110018	PA110018-US-PT	US	PT	22/09/2011 00:00:00	22/09/2011 00:00:00	13/435356	04/12/2014 00:00:00	2014-035966-A1		
PE110131	PE110131-US-PT	US	PT	22/12/2011 00:00:00	18/12/2012 00:00:00	13/717166	27/06/2013 00:00:00	2013-016676-A1		
PA110042	PA110042-US-PT	US	PT	06/12/2011 00:00:00	06/12/2011 00:00:00	14/362182				
PE110186	PE110186-US-PT	US	PT	23/03/2012 00:00:00	01/03/2013 00:00:00	14/386338				
PA1100142	PA1100142-US-PT	US	PT	07/08/2009 00:00:00	03/08/2010 00:00:00	13/380799	17/05/2012 00:00:00	2012-0124625-A1	14/04/2015 00:00:00	9009758
PA100109	PA100109-US-PT	US	PT	20/08/2009 00:00:00	12/08/2010 00:00:00	13/496052	05/07/2012 00:00:00	2012-0134426-A1		
PA100120	PA100120-US-PT	US	PT	14/09/2009 00:00:00	14/09/2010 00:00:00	13/485052	10/07/2012 00:00:00	2012-0170652-A1		
PA100046	PA100046-US-PT	US	NP	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	2011-0298995-A1		
PE100073	PE100073-US-PT	US	PT	22/06/2009 00:00:00	16/06/2010 00:00:00	13/138459				
RC100064	RC100064-US-PT	US	NP	16/07/1996 00:00:00	21/07/1999 00:00:00	09/358070				
RC100042	RC100042-US-PT	US	NP	16/07/1996 00:00:00	22/03/1999 00:00:00	09/254961				
RC100033	RC100033-US-PT	US	NP	25/03/1996 00:00:00	10/04/1997 00:00:00	08/635915				
RC100030	RC100030-US-PT	US	NP	27/04/1998 00:00:00	26/03/1999 00:00:00	08/621366				
PE100025	PE100025-US-PT	US	NP	22/04/1998 00:00:00	08/04/1999 00:00:00	09/288180				
PA100002	PA100002-US-PT	US	NP	22/04/1998 00:00:00	19/04/1999 00:00:00	09/294157				
RC100013	RC100013-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		
RC100023	RC100023-US-PT	US	PT	30/09/1999 00:00:00	30/09/1999 00:00:00	09/806214				
PE100018	PE100018-US-PT	US	PT	26/04/1999 00:00:00	21/04/2000 00:00:00	09/719683				
RC100070	RC100070-US-PT	US	PT	19/07/1999 00:00:00	19/07/2000 00:00:00	10/031176				
RC100025	RC100025-US-PT	US	PT	04/11/1999 00:00:00	03/11/2000 00:00:00	10/129445	23/09/2004 00:00:00	2004-0183621-A1	09/08/2011 00:00:00	7203457
PE100033	PE100033-US-PT	US	NP	09/03/2004 00:00:00	29/03/2004 00:00:00	10/767886	16/08/2007 00:00:00	2007-0192585-A1	12/12/2006 00:00:00	7148766
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PR010128	PR010128-I-US-PC	US	PC	11/06/2001 00:00:00	13/03/2001 00:00:00	10/479537	30/01/2003 00:00:00	2003-0020784-A1	14/07/2009 00:00:00	7561777
PR089889	PR089889-I-US-PC	US	PC	17/03/2000 00:00:00	19/09/2001 00:00:00	10/204575	28/03/2002 00:00:00	2002-0036714-A1	01/06/2004 00:00:00	6744474
PR070018	PR070018-I-US-NP	US	NP	13/12/2000 00:00:00	22/11/2000 00:00:00	10/148155	03/02/2004 00:00:00	2004-0055703-A1	04/07/2006 00:00:00	7023116
PR089749	PR089749-I-US-PC	US	PC	23/11/1999 00:00:00	14/07/2000 00:00:00	10/030944	02/05/2002 00:00:00	2002-0051084-A1	03/02/2004 00:00:00	6668270
PR089564	PR089564-I-US-PC	US	PC	16/07/1999 00:00:00	30/04/2001 00:00:00	09/845595	08/08/2006 00:00:00	2006-0089576-A1	08/08/2006 00:00:00	7089576
PR089019	PR089019-I-US-NP	US	NP	30/12/1999 00:00:00	30/12/1999 00:00:00	09/475447				
PR089894	PR089894-I-US-NP	US	NP	06/01/2000 00:00:00	13/09/2000 00:00:00	09/663106	25/03/2004 00:00:00	2004-0085706-A1	27/05/2008 00:00:00	7379960
PR089970	PR089970-I-US-NP	US	NP	15/12/2000 00:00:00	14/11/2001 00:00:00	10/541762	31/01/2005 00:00:00	2005-0080706-A1	06/04/2010 00:00:00	7693338
PR070012	PR070012-I-US-PC	US	PC	10/01/2003 00:00:00	30/12/2003 00:00:00	10/512228	13/04/2003 00:00:00	2004-0249499-A1	15/10/2007 00:00:00	7283880
PR070156	PR070156-I-US-PC	US	PC	22/04/2002 00:00:00	28/05/2002 00:00:00	10/488918	09/12/2004 00:00:00			

PATENT

REEL: 041230 FRAME: 0854

Family	Application	Country	Protection Type	Fam 1st Prior Fil Date	FILINGDATE	FILINGNUMBER	PUBLICATIONDATE	PUBLICATIONNUMBER	GRANTDATE	GRANTNUMBER
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PR020082	PR020082-US-PT	US	PT	23/08/2002 00:00:00	05/08/2002 00:00:00	10/4750182	15/09/2006 00:00:00	2006-0125128-A1	22/06/2010 00:00:00	7242109
PR030213	PR030213-US-PT	US	PT	21/07/2004 00:00:00	13/01/2004 00:00:00	11/0563892	07/09/2005 00:00:00	2006-0192871-A1	24/08/2010 00:00:00	7782389
PR040067	PR040067-US-NP	US	NP	23/04/2004 00:00:00	22/04/2005 00:00:00	11/154208	27/10/2005 00:00:00	2005-0237044-A1	27/05/2008 00:00:00	7379310
PR040332	PR040332-US-NP	US	NP	22/11/2004 00:00:00	21/11/2005 00:00:00	11/284378	01/06/2006 00:00:00	2006-0115175-A1	09/07/2013 00:00:00	8483288
PR040040	PR040040-US-NP	US	NP	12/03/2004 00:00:00	08/03/2005 00:00:00	11/074954	15/09/2005 00:00:00	2005-0202719-A1	18/07/2006 00:00:00	7077698
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PR040164	PR040164-US-PT	US	PT	04/06/2004 00:00:00	04/06/2004 00:00:00	11/058535	04/10/2009 00:00:00	2009-0123801-A1	17/07/2012 00:00:00	8253435
PR050012	PR050012-US-NP	US	NP	27/05/2005 00:00:00	23/05/2006 00:00:00	11/439692	11/01/2007 00:00:00	2007-0009090-A1	30/08/2011 00:00:00	8009730
PR050147	PR050147-US-PT	US	PT	02/08/2006 00:00:00	31/07/2007 00:00:00	12/309540	06/08/2009 00:00:00	2009-0166242-A1	20/07/2010 00:00:00	7760494
PR050152	PR050152-US-PT	US	PT	01/09/2005 00:00:00	04/08/2006 00:00:00	12/448460	17/12/2009 00:00:00	2010-0133068-A1	10/09/2013 00:00:00	8533968
PR060002	PR060002-US-PT	US	PT	04/01/2008 00:00:00	04/01/2008 00:00:00	12/448460	22/07/2010 00:00:00	2010-0133068-A1	10/09/2013 00:00:00	8533968
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PR060034	PR060034-US-NP	US	NP	02/03/2008 00:00:00	24/03/2008 00:00:00	12/363386	08/10/2009 00:00:00	2009-0251613-A1	18/09/2012 00:00:00	8270472
PR060097	PR060097-US-PT	US	PT	29/10/2008 00:00:00	29/10/2008 00:00:00	12/988387	18/08/2011 00:00:00	2011-0200274-A1		
PR070276	PR070276-US-NP	US	NP	09/12/2007 00:00:00	10/11/2008 00:00:00	12/268255	21/05/2009 00:00:00	2009-0129465-A1		
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PR100228	PR100228-US-PT	US	PT	14/10/2010 00:00:00	14/10/2010 00:00:00	13/879211	01/08/2013 00:00:00	2013-0194511-A1	24/06/2014 00:00:00	8760587
PR110063	PR110063-US-PT	US	PT	20/09/2011 00:00:00	18/09/2012 00:00:00	14/345772				
PR100098	PR100098-US-PT	US	PT	05/04/2012 00:00:00	02/04/2013 00:00:00	13/635056	03/01/2013 00:00:00	2013-0007793-A1		
PR120045	PR120045-US-PT	US	PT	25/11/2008 00:00:00	18/11/2009 00:00:00	14/389785	02/04/2015 00:00:00	2015-0095931-A1		
PR080192	PR080192-US-PT	US	PT	08/12/2009 00:00:00	02/12/2010 00:00:00	13/514814	08/11/2012 00:00:00	2012-0225927-A1		
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RC088884	RC088884-US-NP	US	NP	04/02/1998 00:00:00	19/12/1996 00:00:00	08/769329				
RC0889231	RC0889231-US-NP	US	NP	19/12/1996 00:00:00	13/08/1999 00:00:00	09/373695				
PR980055	PR980055-US-NP	US	NP	14/08/1998 00:00:00	20/11/1998 00:00:00	08/6633523				
PR970075	PR970075-US-NP	US	NP	08/08/1996 00:00:00	01/08/2002 00:00:00	09/748450	24/04/2003 00:00:00	2003-0077073-A1		
RC088336	RC088336-US-NP	US	NP	23/10/2001 00:00:00	29/11/2001 00:00:00	09/989743	29/05/2003 00:00:00	2003-0092979-A1		
PR020355	PR020355-US-NP	US	NP	27/02/2001 00:00:00	18/05/2001 00:00:00	09/809508	27/12/2003 00:00:00	2001-0065497-A1		
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RC090246	RC090246-US-NP	US	NP	02/06/2000 00:00:00	19/09/2002 00:00:00	10/251950	22/06/2005 00:00:00	2005-0069586-A1		
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PR000128	PR000128-US-PT	US	PT	14/12/2000 00:00:00	10/12/2001 00:00:00	10/451650	22/06/2005 00:00:00	2005-0069586-A1		
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PR040106	PR040106-US-PT	US	PT	05/05/2003 00:00:00	12/10/2005 00:00:00	11/665302	13/12/2007 00:00:00	2007-0286283-A1		
PR040228	PR040228-US-PT	US	PT	13/10/2004 00:00:00	12/06/2005 00:00:00	11/587554	21/01/2006 00:00:00	2006-0002479-A1		
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PR070067	PR070067-US-PT	US	PT	25/03/2007 00:00:00	19/06/2007 00:00:00	12/525348	25/02/2010 00:00:00	2010-0046804-A1		
PR070023	PR070023-US-PT	US	PT	15/01/2007 00:00:00	15/01/2009 00:00:00	12/735665	30/12/2010 00:00:00	2010-0329334-A1		
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PR070215	PR070215-US-PT	US	PT	18/09/2007 00:00:00	12/11/2008 00:00:00	13/805500	14/10/2010 00:00:00	2010-0260271-A1		
PR070278	PR070278-US-PT	US	PT	28/06/2010 00:00:00	23/06/2011 00:00:00	13/805500	18/04/2013 00:00:00	2013-0093849-A1	04/08/2015 00:00:00	9098902
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PR100117	PR100117-US-PT	US	PT	05/04/2012 00:00:00	02/03/2012 00:00:00	14/389787				
PR120042	PR120042-US-PT	US	PT	09/04/2010 00:00:00	24/04/2013 00:00:00	14/389787	20/12/2012 00:00:00	2012-0320973-A1		
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PR120149	PR120149-US-PT	US	PT	31/12/2011 00:00:00	20/01/2011 00:00:00	13/574428	22/11/2012 00:00:00	2012-0234369-A1		
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RC088429	RC088429-US-NP	US	NP	24/08/1999 00:00:00	30/06/1997 00:00:00	08/884947				
RC088452	RC088452-US-NP	US	NP	30/06/1997 00:00:00	17/03/1997 00:00:00	08/822154				
PR960017	PR960017-US-NP	US	NP	19/03/1996 00:00:00	29/04/1999 00:00:00	09/301999				
PR980026	PR980026-US-NP	US	NP	30/04/1998 00:00:00	15/10/1998 00:00:00	09/173058				
PR970066	PR970066-US-NP	US	NP	28/10/1997 00:00:00	26/08/1998 00:00:00	09/140557	05/07/2001 00:00:00	2001-0006403-A1		
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PR990099	PR990099-US-PT	US	PT	30/12/1999 00:00:00	08/03/2001 00:00:00	10/2299110	25/09/2003 00:00:00	2003-0178957-A1		
RC090009	RC090009-US-PT	US	PT	21/03/2002 00:00:00	10/10/2002 00:00:00	10/103348				

Attachment A

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PJ030153	PJ030153-US-NP	US	NP	16/05/2003 00:00:00	16/05/2003 00:00:00	11/055638	01/02/2009 00:00:00	2007-0005283-A1	10/11/2009 00:00:00	7616706
PJ0400373	PJ0400373-US-NP	US	NP	05/01/2005 00:00:00	05/01/2005 00:00:00	11/851924	10/12/2007 00:00:00	2009-0007189-A1	30/04/2013 00:00:00	8434120
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PJ070060	PJ070060-US-NP	US	NP	18/09/2007 00:00:00	18/03/2010 00:00:00	12/678827	26/08/2010 00:00:00	2010-0125021-A1	18/12/2012 00:00:00	8335191
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PJ080031	PJ080031-US-NP	US	NP	09/06/2008 00:00:00	05/06/2009 00:00:00	12/737095	06/12/2012 00:00:00	2012-0311657-A1	26/03/2015 00:00:00	9043839
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PJ050146	PJ050146-US-NP	US	NP	05/10/2009 00:00:00	05/05/2010 00:00:00	13/500119	10/11/2012 00:00:00	2012-0201311-A1		
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PATENT

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P0120051	P0120051-US-PT	US	PT	19/04/2012 00:00:00	08/04/2013 00:00:00	14,284,448	26/03/2015 00:00:00	2015-0085087-A1		
P0100224	P0100224-US-PT	US	PT	16/11/2010 00:00:00	16/11/2010 00:00:00	13,884,305</				

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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		
PI090020	PI090020-US-CNT	US	CNT	08/07/2009 00:00:00	05/05/2015 00:00:00	14,704,556	20/08/2015 00:00:00	2015-0232129-A1		
PI090020	PI090020-US-PT	US	PT	05/02/2009 00:00:00	11/11/2012 00:00:00	13,138,239	24/11/2011 00:00:00	2011-0286153-A1		
RC488116	RC488116-US-PT	US	NP	18/03/1997 00:00:00	18/03/1997 00:00:00	08,819,970				
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	08,756,333				
PI096038	PI096038-US-NP	US	NP	05/07/1996 00:00:00	30/06/1997 00:00:00	08,885,523				
PI096038	PI096038-US-NP	US	NP	17/04/1998 00:00:00	13/04/1999 00:00:00	09,280,624				
PI096038	PI096038-US-NP	US	NP	14/12/1998 00:00:00	05/11/2002 00:00:00	10,288,097	10/04/2003 00:00:00	2003-0068997-A1		
PI096038	PI096038-US-NP	US	NP	16/07/1999 00:00:00	23/06/2000 00:00:00	09,602,981	09/01/2003 00:00:00	2003-0007097-A1		
RC489380	RC489380-US-PT	US	PT	05/07/2001 00:00:00	16/11/2004 00:00:00	10,129,494				
RC488079	RC488079-US-PT	US	PT	16/12/1996 00:00:00	16/12/1996 00:00:00	08,756,088	18/04/2002 00:00:00	2002-0044763-A1		
RC489029	RC489029-US-PT	US	PT	12/04/2002 00:00:00	12/04/2002 00:00:00	10,122,712	16/10/2003 00:00:00	2003-0194024-A1		
RC490192	RC490192-US-NP	US	NP	12/05/2000 00:00:00	30/04/2001 00:00:00	09,845,959	02/05/2002 00:00:00	2002-0051154-A1		
PI010009	PI010009-US-NP	US	NP	15/02/2001 00:00:00	05/02/2002 00:00:00	10,067,562	03/10/2002 00:00:00	2002-0141642-A1		
PI030027	PI030027-US-NP	US	NP	28/02/2003 00:00:00	25/02/2004 00:00:00	10,756,626	02/09/2004 00:00:00	2004-0170380-A1		
PI000158	PI000158-US-CTA11	US	CTA	02/06/2000 00:00:00	18/12/2000 00:00:00	09,739,198	28/02/2002 00:00:00	2002-0024327-A1		
PI020354	PI020354-US-PT	US	PT	31/07/2002 00:00:00	31/07/2002 00:00:00	10,533,442	15/09/2005 00:00:00	2005-0201267-A1		
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		
PI040121	PI040121-US-PT	US	PT	07/05/2004 00:00:00	09/11/2004 00:00:00	11,579,952	31/05/2007 00:00:00	2007-0124751-A1		
PI050224	PI050224-US-NP	US	NP	18/10/2004 00:00:00	17/10/2005 00:00:00	11,252,320	20/09/2006 00:00:00	2006-0083316-A1		
PI050045	PI050045-US-NP	US	NP	10/02/2005 00:00:00	31/01/2006 00:00:00	11,345,108	10/08/2006 00:00:00	2006-0176956-A1		
PI050195	PI050195-US-PT	US	PT	08/12/2005 00:00:00	17/10/2006 00:00:00	12,086,074	25/02/2010 00:00:00	2010-0066909-A1		
PI060011	PI060011-US-NP	US	NP	17/01/2006 00:00:00	16/01/2007 00:00:00	11,733,312	19/07/2007 00:00:00	2007-0124751-A1		
PI060037	PI060037-US-PT	US	PT	14/06/2007 00:00:00	14/06/2007 00:00:00	12,654,432	08/07/2010 00:00:00	2010-0142400-A1		
PI080126	PI080126-US-PT	US	PT	08/08/2008 00:00:00	04/06/2008 00:00:00	12,737,651	09/06/2011 00:00:00	2011-0153921-A1		
PI070050	PI070050-US-NP	US	NP	29/06/2008 00:00:00	14/01/2008 00:00:00	12,156,694	01/07/2009 00:00:00	2009-0002322-A1		
PI050086	PI050086-US-PT	US	PT	14/01/2008 00:00:00	12/7/2008	12,735,85	11/11/2010 00:00:00	2010-0283911-A1		
PI050099	PI050099-US-DIV11	US	DIV	11/03/2008 00:00:00	11/08/2008 00:00:00	12,189,574	26/02/2009 00:00:00	2009-0055403-A1		
PI010113	PI010113-US-PT	US	PT	22/09/2011 00:00:00	20/09/2012 00:00:00	14,344,997	19/08/2013 00:00:00	2013-0243104-A1		
PI000244	PI000244-US-PT	US	PT	24/11/2011 00:00:00	12/09/2011 00:00:00	13,988,470	14/08/2014 00:00:00	2014-0226956-A1		
PI010027	PI010027-US-CNT	US	CNT	22/09/2011 00:00:00	12/09/2011 00:00:00	14,351,073				
PI010033	PI010033-US-PT	US	PT	22/09/2011 00:00:00	12/09/2011 00:00:00	14,351,073				
PI000080	PI000080-US-NP	US	NP	29/09/2008 00:00:00	26/06/2010 00:00:00	12,839,316	30/12/2010 00:00:00	2010-0329557-A1		
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PI000028	PI000028-US-PT	US	PT	07/07/2008 00:00:00	12/06/2010 00:00:00	13,308,791	30/08/2011 00:00:00	2011-0218131-A1		
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RC488592	RC488592-US-NP	US	NP	11/10/2008 00:00:00	08/10/2008 00:00:00	12,734,324	30/12/2010 00:00:00	2010-0329636-A1		
RC488505	RC488505-US-NP	US	NP	12/08/1997 00:00:00	12/08/1997 00:00:00	08,911,525				
RC488916	RC488916-US-NP	US	NP	12/08/1997 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				
RC488227	RC488227-US-NP	US	NP	13/11/1996 00:00:00	12/11/1997 00:00:00	08,968,140				
PI096046	PI096046-US-NP	US	NP	18/06/1999 00:00:00	16/06/2000 00:00:00	09,596,106				
PI096009	PI096009-US-NP	US	NP	23/03/1999 00:00:00	26/02/1999 00:00:00	09,259,901				
RC489003	RC489003-US-PT	US	PT	28/12/1998 00:00:00	28/12/1998 00:00:00	09,221,412				
RC489185	RC489185-US-PT	US	PT	04/01/2001 00:00:00	04/01/2002 00:00:00	09,868,554	22/04/2004 00:00:00	2004-0078812-A1		
PI010011	PI010011-US-PT	US	PT	11/01/2001 00:00:00	11/01/2001 00:00:00	09,758,480	11/07/2002 00:00:00	2002-0089606-A1		
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	09/01/2001 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	23/07/2001 00:00:00	10,343,390	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	10/12/2004 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	11,671,485	24/11/2005 00:00:00	2005-0261861-A1		
PI040184	PI040184-US-PT	US	PT	18/06/2004 00:00:00	26/10/2005 00:00:00	11,638,825	17/12/2007 00:00:00	2007-0286659-A1		
PI040298	PI040298-US-PT	US	PT	03/11/2004 00:00:00	04/08/2005 00:00:00	11,659,482	27/12/2007 00:00:00	2007-0286659-A1		
PI040239	PI040239-US-PT	US	PT	15/01/2006 00:00:00	15/01/1999 00:00:00	11,659,773	18/09/2008 00:00:00	2008-0228969-A1		
GR500003	GR500003-US-PT	US	PT	13/01/2006 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	13/05/2010 00:00:00	2010-0118942-A1		
PI070039	PI070039-US-NP	US	NP	27/04/2007 00:00:00	25/04/2008 00:00:00	12,150,337	13/11/2008 00:00:00	2008-0328461-A1		
PI060223	PI060223-US-PT	US	PT	20/12/2006 00:00:00	20/12/2006 00:00:00	12,448,928	18/02/2010 00:00:00	2010-0039523-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	PE11001601-US-PT	US	PT	19/07/2010 00:00:00	19/07/2010 00:00:00	13.685820	18/04/2013 00:00:00	2013-0003952-A1	27/05/2014 00:00:00	8239225
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PE110137	PE1101931-US-PT	US	PT	13/01/2012 00:00:00	03/01/2013 00:00:00	14.327017	01/01/2015 00:00:00	2015-0006928-A1		
PE110137	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	12.958598	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	595851
RC488354	RC488354-US-PT	US	PT	20/12/1996 00:00:00	17/12/1997 00:00:00	09.319685			24/06/2003 00:00:00	6584275
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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	6711221
PU020411	PU020411-US-PT	US	NP	20/09/2002 00:00:00	18/09/2003 00:00:00	10.656533	15/04/2004 00:00:00	2004-0065915-A1	12/08/2005 00:00:00	6932307
PU020481	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
PU040049	PU040049-US-PT	US	NP	19/05/2006 00:00:00	16/05/2006 00:00:00	11.455248	23/11/2006 00:00:00	2006-0262218-A1	28/01/2014 00:00:00	8640050
PE050090	PE050090-US-PT	US	PT	27/02/2007 00:00:00	14/02/2007 00:00:00	12.284238	15/01/2009 00:00:00	2009-0016447-A1	21/08/2012 00:00:00	8249170
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	2009-0324121-A1	18/06/2013 00:00:00	8467626
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	8456744
PU060029	PU060029-US-PT	US	NP	20/03/2008 00:00:00	07/11/2008 00:00:00	12.736033	06/01/2011 00:00:00	2011-0004900-A1		
PU070065	PU070065-US-PT	US	NP	19/06/2007 00:00:00	30/05/2008 00:00:00	12.156138	09/12/2008 00:00:00	2008-0320529-A1	08/11/2011 00:00:00	8055186
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	2010-0310187-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		
PU110068	PU110068-US-PT	US	PT	13/02/2011 00:00:00	13/02/2011 00:00:00	13.820577	11/07/2013 00:00:00	2013-0155074-A1		
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	14.821130	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	13.323000	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		
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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	2011-0265223-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	08.847425			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
RC489098	RC489098-US-PT	US	NP	06/06/2000 00:00:00	06/06/2000 00:00:00	09.588050			27/11/2001 00:00:00	6340882
PU010052	PU010052-US-PT	US	NP	28/02/2001 00:00:00	19/09/2001 00:00:00	09.879632	29/08/2002 00:00:00	2002-0118297-A1	04/04/2006 00:00:00	7762491
PU010130	PU010130-US-PT	US	NP	12/06/2001 00:00:00	12/06/2001 00:00:00	09.879632	12/12/2002 00:00:00	2002-0118894-A1	11/05/2010 00:00:00	7762491
PU020006	PU020006-US-PT	US	PT	25/04/2002 00:00:00	20/04/2004 00:00:00	10.554262	14/08/2005 00:00:00	2005-0203136-A1	12/05/2009 00:00:00	7532251
PU020150	PU020150-US-PT	US	PT	23/04/2002 00:00:00	15/04/2003 00:00:00	10.512730	26/02/2004 00:00:00	2004-0037358-A1	26/09/2009 00:00:00	7945930
RC490425	RC490425-US-PT	US	PT	28/08/2000 00:00:00	27/08/2001 00:00:00	10.363380	26/02/2004 00:00:00	2004-0037358-A1	26/09/2009 00:00:00	7133545
PE020121	PE020121-US-PT	US	PT	27/09/2000 00:00:00	19/09/2003 00:00:00	11.528597	02/02/2006 00:00:00	2006-0022865-A1	20/10/2009 00:00:00	7605713
PU040209	PU040209-US-PT	US	PT	10/08/2004 00:00:00	10/08/2004 00:00:00	11.659774	22/11/2007 00:00:00	2007-0266409-A1	07/01/2014 00:00:00	8624960
PU050022	PU050022-US-PT	US	PT	07/02/2005 00:00:00	07/02/2005 00:00:00	11.883491	10/06/2007 00:00:00	2007-0141851-A1	13/03/2012 00:00:00	8134648
PU040134	PU040134-US-PT	US	NP	21/09/2004 00:00:00	08/09/2005 00:00:00	11.253728	08/03/2009 00:00:00	2009-0062863-A1	31/03/2009 00:00:00	7511770
PU050250	PU050250-US-PT	US	PT	29/11/2005 00:00:00	29/11/2005 00:00:00	12.075310	14/05/2007 00:00:00	2007-0122205-A1		
PE050069	PE050069-US-PT	US	NP	12/04/2005 00:00:00	30/03/2006 00:00:00	11.393594	26/10/2006 00:00:00	2006-0238387-A1		
PE050221	PE050221-US-PT	US	PT	22/12/2005 00:00:00	20/12/2006 00:00:00	12.086644	16/10/2010 00:00:00	2010-0208840-A1	06/03/2012 00:00:00	7814527
PE060146	PE060146-US-PT	US	PT	31/10/2006 00:00:00	26/10/2007 00:00:00	12.312117	04/03/2010 00:00:00	2010-0024331-A1	04/12/2012 00:00:00	8325804
PU080137	PU080137-US-PT	US	PT	31/07/2008 00:00:00	24/07/2009 00:00:00	12.460764	04/02/2010 00:00:00	2010-0027892-A1	20/11/2012 00:00:00	8315475
PU080073	PU080073-US-PT	US	PT	06/06/2008 00:00:00	06/06/2008 00:00:00	12.996424	14/08/2011 00:00:00	2011-0085739-A1		
PU110122	PU110122-US-PT	US	PT	28/09/2012 00:00:00	28/09/2012 00:00:00	14.245955	14/08/2014 00:00:00	2014-0229486-A1		

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PE110072	PE110072-US-PT	US	PT	10/21/2011 00:00:00	30/01/2012 00:00:00	13,355,937	02/10/2014 00:00:00	2014-0293003-A1		
PI100190	PI100190-US-PT	US	PT	10/09/2010 00:00:00	09/09/2012 00:00:00	13,830,020	27/06/2013 00:00:00	2013-0153623-A1		
PI0110048	PI0110048-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		
PI0080129	PI0080129-US-PT	US	PT	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-PT	US	PT	06/02/2009 00:00:00	05/02/2010 00:00:00	13,138,296	22/12/2011 00:00:00	2011-0311135-A1		
PI0090017	PI0090017-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		
RC487934	RC487934-US-NP	US	NP	04/06/1996 00:00:00	04/06/1996 00:00:00	08,655,269				
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		
RC488853	RC488853-US-PT	US	PT	07/01/1998 00:00:00	07/01/1999 00:00:00	09,582,451				
RC488226	RC488226-US-PT	US	PT	16/10/1996 00:00:00	12/03/1999 00:00:00	09,269,246				
RC488200	RC488200-US-NP	US	NP	19/12/1996 00:00:00	19/12/1996 00:00:00	08,707,710				
PI020350	PI020350-US-NP	US	NP	29/07/2002 00:00:00	29/07/2002 00:00:00	10,207,614	29/01/2004 00:00:00	2004-0017845-A1		
PF990089	PF990089-US-NP	US	NP	20/12/1999 00:00:00	18/12/2000 00:00:00	09,739,148	08/11/2001 00:00:00	2001-0308421-A1		
PI020107	PI020107-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		
RC490228	RC490228-US-PT	US	PT	02/06/2000 00:00:00	24/05/2001 00:00:00	10,265,618	11/12/2003 00:00:00	2003-022573-A1		
RC489817	RC489817-US-NP	US	NP	10/11/1999 00:00:00	29/06/2000 00:00:00	09,606,997				
PI010156	PI010156-US-PT	US	PT	20/07/2001 00:00:00	24/07/2001 00:00:00	10,435,356	11/08/2005 00:00:00	2005-0174938-A1		
PI030042	PI030042-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		
PI010182	PI010182-US-PT	US	PT	19/09/2001 00:00:00	19/09/2002 00:00:00	10,400,009	25/11/2004 00:00:00	2004-0256882-A1		
PI030262	PI030262-US-PT	US	PT	16/10/2002 00:00:00	16/10/2003 00:00:00	10,531,118	30/03/2006 00:00:00	2006-0067094-A1		
PI040071	PI040071-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		
PF050097	PF050097-US-NP	US	NP	09/08/2000 00:00:00	09/08/2000 00:00:00	09,636,037				
PF050143	PF050143-US-PT	US	PT	01/08/2005 00:00:00	19/07/2006 00:00:00	11,999,887	19/08/2010 00:00:00	2010-0207837-A1		
PI050272	PI050272-US-PT	US	PT	01/12/2005 00:00:00	06/11/2006 00:00:00	12,085,736	16/04/2009 00:00:00	2009-0100467-A1		
PF050018	PF050018-US-PT	US	PT	27/05/2005 00:00:00	03/05/2006 00:00:00	11,920,819	12/02/2009 00:00:00	2009-0084121-A1		
PI050125	PI050125-US-PT	US	PT	30/06/2005 00:00:00	30/06/2005 00:00:00	11,922,470	28/05/2009 00:00:00	2009-0135391-A1		
PI070182	PI070182-US-PT	US	PT	06/08/2007 00:00:00	07/07/2008 00:00:00	12,733,030	03/06/2010 00:00:00	2010-0135391-A1		
PI080087	PI080087-US-PT	US	PT	12/06/2008 00:00:00	05/06/2009 00:00:00	12,737,109	05/05/2011 00:00:00	2011-0103464-A1		
PI080143	PI080143-US-PT	US	PT	28/06/2007 00:00:00	27/06/2008 00:00:00	12,452,950	03/06/2010 00:00:00	2010-0152608-A1		
PI080143	PI080143-US-PT	US	PT	10/03/2008 00:00:00	30/01/2009 00:00:00	12,737,179	06/01/2011 00:00:00	2011-0126087-A1		
PI080103	PI080103-US-PT	US	PT	09/12/2008 00:00:00	09/12/2009 00:00:00	12,736,097	20/08/2012 00:00:00	2012-0002380-A1		
PI090185	PI090185-US-PT	US	PT	30/03/2009 00:00:00	08/03/2010 00:00:00	12,660,662	30/09/2012 00:00:00	2012-0245997-A1		
PI090087	PI090087-US-NP	US	NP	03/03/2009 00:00:00	11/12/2009 00:00:00	11,138,342	01/12/2011 00:00:00	2011-0293013-A1		
PI090114	PI090114-US-PT	US	PT	09/12/1996 00:00:00	09/12/1996 00:00:00	08,759,516				
RC488124	RC488124-US-NP	US	NP	12/09/1998 00:00:00	06/09/2000 00:00:00	09,255,553				
RC488213	RC488213-US-NP	US	NP	08/12/1992 00:00:00	06/09/2000 00:00:00	09,381,147				
RC488325	RC488325-US-NP	US	NP	26/02/1999 00:00:00	26/02/1999 00:00:00	08,562,893				
RC489342	RC489342-US-PT	US	PT	21/04/1996 00:00:00	10/04/2004 00:00:00	01,064,204	00:00:00	2004-0061633-A1		
RC489342	RC489342-US-PT	US	PT	17/01/2002 00:00:00	10/04/2004 00:00:00	13,056,204	00:00:00	2004-0093457-A1		
PF030012	PF030012-US-NP	US	NP	30/01/2000 00:00:00	29/10/2001 00:00:00	10,767,759	22/09/2004 00:00:00	2004-0183740-A1		
PF030095	PF030095-US-PT	US	PT	04/10/2000 00:00:00	04/10/2001 00:00:00	10,388,445	06/07/2005 00:00:00	2005-0146199-A1		
PF020146	PF020146-US-PT	US	PT	12/01/2000 00:00:00	12/01/2003 00:00:00	11,052,282	21/07/2005 00:00:00	2005-0167289-A1		
RC040009	RC040009-US-NP	US	NP	21/01/2004 00:00:00	14/01/2005 00:00:00	11,056,663	11/03/2010 00:00:00	2010-0061478-A1		
PF030059	PF030059-US-PT	US	PT	31/03/2003 00:00:00	12/03/2004 00:00:00	10,812,131	14/10/2004 00:00:00	2004-0201437-A1		
RC040251	RC040251-US-PT	US	PT	16/09/2004 00:00:00	14/09/2005 00:00:00	11,662,405	22/05/2008 00:00:00	2008-0112926-A1		
RC040258	RC040258-US-PT	US	PT	15/09/2004 00:00:00	14/09/2005 00:00:00	11,662,435	01/05/2008 00:00:00	2008-0101471-A1		
RC040077	RC040077-US-PT	US	PT	24/06/2004 00:00:00	12/05/2005 00:00:00	11,630,320	27/12/2007 00:00:00	2007-0297510-A1		
PI050100	PI050100-US-NP	US	NP	14/03/2003 00:00:00	14/03/2003 00:00:00	10,390,446				
PF040132	PF040132-US-NP	US	NP	17/09/2004 00:00:00	13/09/2005 00:00:00	11,252,246	23/03/2006 00:00:00	2006-0061602-A1		
PF050104	PF050104-US-NP	US	NP	06/06/2005 00:00:00	19/05/2006 00:00:00	11,437,495	07/12/2006 00:00:00	2006-0274958-A1		
RC040254	RC040254-US-PT	US	PT	02/02/2006 00:00:00	31/01/2007 00:00:00	12,087,315	08/01/2009 00:00:00	2009-0010330-A1		
PI050278	PI050278-US-PT	US	PT	26/01/2006 00:00:00	26/01/2006 00:00:00	12,223,144	09/09/2010 00:00:00	2010-0225807-A1		
PI070070	PI070070-US-PT	US	PT	26/03/2007 00:00:00	26/03/2008 00:00:00	12,450,418	18/03/2010 00:00:00	2010-0071009-A1		
PF020045	PF020045-US-NP	US	NP	21/05/2007 00:00:00	20/05/2008 00:00:00	12,154,039	27/11/2008 00:00:00	2008-0290967-A1		
PF020073	PF020073-US-PT	US	PT	27/06/2007 00:00:00	26/06/2008 00:00:00	12,452,294	30/12/2010 00:00:00	2010-0328341-A1		
RC020003	RC020003-US-PT	US	PT	18/01/2007 00:00:00	18/01/2007 00:00:00	12,448,885	11/03/2010 00:00:00	2010-0061478-A1		
PI070260	PI070260-US-PT	US	PT	16/10/2007 00:00:00	14/10/2008 00:00:00	12,734,205	02/09/2010 00:00:00	2010-0220795-A1		
PI010124	PI010124-US-PT	US	PT	15/02/2012 00:00:00	15/02/2012 00:00:00	14,371,313	01/07/2015 00:00:00	2015-0007408-A1		
BA100013	BA100013-US-PT	US	PT	31/03/2010 00:00:00	31/03/2010 00:00:00	13,634,664	03/01/2013 00:00:00	2013-0004145-A1		
PI100034	PI100034-US-PT	US	PT	31/10/2011 00:00:00	31/10/2011 00:00:00	14,351,887	04/09/2014 00:00:00	2014-0247564-A1		
PI100034	PI100034-US-PT	US	PT	15/02/2010 00:00:00	25/03/2015 00:00:00	14,668,197	16/07/2015 00:00:00	2015-0201177-A1		
PI110025	PI110025-US-PT	US	PT	13/12/2011 00:00:00	13/12/2011 00:00:00	14,362,371				
PF110048	PF110048-US-PT	US	PT	20/06/2011 00:00:00	13/06/2012 00:00:00	14,177,774	24/07/2014 00:00:00	2014-0204176-A1		
PF090069	PF090069-US-PT	US	PT	18/06/2009 00:00:00	15/06/2010 00:00:00	13,378,26	14/06/2012 00:00:00	2012-0150849-A1		
PI080161	PI080161-US-PT	US	PT	19/09/2009 00:00:00	01/09/2009 00:00:00	12,998,123	14/07/2011 00:00:00	2011-0170615-A1		
RC489207	RC489207-US-PT	US	PT	08/07/2009 00:00:00	18/06/2010 00:00:00	09,426,612	10/05/2012 00:00:00	2012-0113993-A1		
RC489207	RC489207-US-NP	US	NP	19/10/1999 00:00:00	15/10/1998 00:00:00	09,435,404				
PF090061	PF090061-US-NP	US	NP	30/11/1999 00:00:00	27/11/2000 00:00:00	09,727,764				
PF010046	PF010046-US-NP	US	NP	21/05/2001 00:00:00	07/05/2002 00:00:00	10,140,561	05/12/2002 00:00:00	2002-0181591-A1		
PI0001035	PI0001035-US-NP	US	NP	24/07/2001 00:00:00	24/07/2002 00:00:00	10,202,921	06/03/2003 00:00:00	2003-0064446-A1		
PI000182	PI000182-US-NP	US	NP	21/12/2000 00:00:00	19/12/2000 00:00:00	09,745,223	27/06/2002 00:00:00	2002-0080282-A1		
RC489177	RC489177-US-DIV21	US	DIV	10/09/1999 00:00:00	14/05/2002 00:00:00	10,145,221	01/04/2004 00:00:00	2004-0065524-A1		
RC490253	RC490253-US-PT	US	PT	10/08/2000 00:00:00	29/05/2001 00:00:00	10,243,600				

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PD010029	PD010029-US-NP	US	NP	01/06/2001 00:00:00	06/05/2002 00:00:00	10/159764	19/12/2002 00:00:00	2006-018931-A1	29/06/2004 00:00:00	6559955
PD03038	PD03038-US-PT	US	PT	23/01/2002 00:00:00	23/01/2002 00:00:00	10/192564	25/05/2006 00:00:00	2006-019914-A1		
PD02066	PD02066-US-PT	US	PT	27/03/2002 00:00:00	19/03/2003 00:00:00	10/509215	13/10/2005 00:00:00	2005-025672-A1	11/09/2007 00:00:00	7268821
PD00011	PD00011-US-CPI11	US	CPI	01/12/2000 00:00:00	28/11/2001 00:00:00	09/995481	06/06/2002 00:00:00	2002-006376-A1	06/02/2007 00:00:00	7174512
PD01024	PD01024-US-PT	US	PT	25/09/2000 00:00:00	19/03/2001 00:00:00	10/380717	12/02/2004 00:00:00	2004-0029537-A1	04/05/2010 00:00:00	7771053
PD03090	PD03090-US-PT	US	PT	20/03/2000 00:00:00	25/09/2001 00:00:00	10/598925	19/10/2006 00:00:00	2006-0235993-A1	10/11/2009 00:00:00	7612326
PD03001	PD03001-US-PT	US	PT	03/01/2003 00:00:00	22/12/2003 00:00:00	10/540642	13/07/2006 00:00:00	2006-0152298-A1	03/06/2008 00:00:00	7382212
PD05005	PD05005-US-NP	US	NP	06/01/2005 00:00:00	21/12/2005 00:00:00	11/314380	06/07/2006 00:00:00	2006-0147116-A1	01/12/2009 00:00:00	7627175
PD04009	PD04009-US-PT	US	PT	13/02/2004 00:00:00	09/02/2005 00:00:00	10/595167	09/08/2007 00:00:00	2007-0184790-A1	25/08/2009 00:00:00	7580722
PD04041	PD04041-US-PT	US	PT	13/08/2004 00:00:00	07/06/2005 00:00:00	11/660473	13/03/2008 00:00:00	2008-0063065-A1		
PD04057	PD04057-US-PT	US	PT	06/02/2006 00:00:00	01/02/2007 00:00:00	12/087915	02/07/2009 00:00:00	2009-0168884-A1	21/01/2014 00:00:00	8654469
PD05014	PD05014-US-PT	US	PT	28/02/2006 00:00:00	27/07/2006 00:00:00	11/989174	24/12/2009 00:00:00	2009-0316784-A1	18/09/2010 00:00:00	8274917
PD05011	PD05011-US-PT	US	PT	20/06/2006 00:00:00	03/09/2006 00:00:00	12/452240	03/09/2009 00:00:00	2009-022590-A1		
PD07030	PD07030-US-PT	US	PT	29/06/2007 00:00:00	29/06/2007 00:00:00	12/452440	13/05/2009 00:00:00	2010-0119013-A1		
PD06024	PD06024-US-PT	US	PT	17/07/2006 00:00:00	17/07/2006 00:00:00	12/309336	09/07/2009 00:00:00	2009-0175330-A1	19/03/2013 00:00:00	8401097
PD06024	PD06024-US-PT	US	PT	21/12/2006 00:00:00	11/12/2007 00:00:00	12/448447	04/03/2010 00:00:00	2010-0053199-A1	15/05/2012 00:00:00	8184961
PD07030	PD07030-US-PT	US	PT	21/06/2007 00:00:00	21/06/2007 00:00:00	12/451624	03/06/2010 00:00:00	2010-0134653-A1	08/05/2012 00:00:00	8184125
PD06075	PD06075-US-PT	US	PT	08/08/2006 00:00:00	07/08/2007 00:00:00	12/309291	19/11/2009 00:00:00	2009-0287326-A1	23/10/2012 00:00:00	8295958
PD07012	PD07012-US-PT	US	PT	25/10/2007 00:00:00	22/10/2008 00:00:00	12/34209	16/09/2010 00:00:00	2010-0231805-A1	22/07/2014 00:00:00	8786786
PD08088	PD08088-US-PT	US	PT	12/06/2008 00:00:00	11/06/2009 00:00:00	12/737132	28/04/2011 00:00:00	2011-0086839-A1		
PD07059	PD07059-US-PT	US	PT	17/10/2007 00:00:00	17/10/2007 00:00:00	12/733820	05/08/2010 00:00:00	2010-0184649-A1		
PD07087	PD07087-US-PT	US	PT	24/07/2007 00:00:00	21/07/2008 00:00:00	12/452768	23/12/2010 00:00:00	2010-0322312-A1	19/02/2013 00:00:00	8379731
PD10005	PD10005-US-PT	US	PT	02/07/2010 00:00:00	01/07/2011 00:00:00	13/808003	09/05/2013 00:00:00	2013-014180-A1		
PD11004	PD11004-US-PT	US	PT	25/08/2011 00:00:00	20/01/2012 00:00:00	14/240065	07/11/2013 00:00:00	2013-0293774-A1		
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PD08504	PD08504-US-NP	US	NP	12/08/1997 00:00:00	12/08/1997 00:00:00	08/910705			16/09/2003 00:00:00	6621924
PD08594	PD08594-US-NP	US	NP	20/09/1996 00:00:00	20/09/1996 00:00:00	08/717093			05/10/1999 00:00:00	5963267
PD07034	PD07034-US-NP	US	NP	04/06/1997 00:00:00	03/06/1998 00:00:00	09/080080			02/01/2001 00:00:00	6169566
PD08595	PD08595-US-DIV	US	DIV	18/02/1998 00:00:00	13/02/1998 00:00:00	09/023272			15/05/2001 00:00:00	6233392
PD08528	PD08528-US-DIV	US	DIV	02/12/1996 00:00:00	23/12/1999 00:00:00	09/470711			01/05/2001 00:00:00	6249325
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RCAB9007	RCAB9007-US-ECT	US	PCT	14/02/2004 00:00:00	12/02/2004 00:00:00	10/44751	27/04/2006 00:00:00	2005-0087597-A1	16/03/2010 00:00:00	7679680
RCAB9271	RCAB9271-US-ECT	US	PCT	29/06/2001 00:00:00	29/06/2001 00:00:00	10/48085	29/07/2004 00:00:00	2004-0210924-A1	20/09/2010 00:00:00	8024752
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RCAB9246	RCAB9246-US-ECT	US	PCT	15/05/2003 00:00:00	15/05/2003 00:00:00	10/514227	13/10/2005 00:00:00	2005-0225650-A1	31/03/2009 00:30:00	7511261
RCAB9010	RCAB9010-US-ECT	US	PCT	03/07/2003 00:00:00	02/07/2004 00:00:00	10/565663	06/09/2007 00:00:00	2007-0209050-A1		
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RCAB9042	RCAB9042-US-ECT	US	PCT	24/05/2005 00:00:00	24/05/2005 00:00:00	11/136646	30/11/2006 00:00:00	2005-0265565-A1	12/05/2009 00:30:00	7532494
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RCAB98036	RCAB98036-US-ECT	US	NP	31/12/1998 00:00:00	20/12/1999 00:00:00	09/465404		23/09/2003 00:00:00	6652663	
RCAB98029	RCAB98029-US-ECT	US	NP	23/06/1998 00:00:00	23/06/1998 00:00:00	09/102865		09/11/2004 00:00:00	6816548	
RCAB98342	RCAB98342-US-DIV	US	NP	02/12/1996 00:00:00	02/12/1996 00:00:00	09/107410		26/06/2001 00:00:00	5228251	
RCAB98284	RCAB98284-US-DIV	US	NP	01/12/2001 00:00:00	07/11/2002 00:00:00	10/4946024		28/08/2002 00:00:00	7262811	
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RCAB90024	RCAB90024-US-ECT	US	NP	18/03/2003 00:00:00	09/06/2001 00:00:00	10/923245	22/11/2001 00:00:00	2001-0168456-A1	19/01/2004 00:00:00	7333366
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RCAB90016	RCAB90016-US-ECT	US	PCT	10/12/2002 00:00:00	10/12/2002 00:00:00	10/923245	02/05/2007 00:00:00	2007-0106819-A1	21/05/2010 00:00:00	7802173
RCAB90013	RCAB90013-US-ECT	US	PCT	12/14/2001 00:00:00	05/08/2001 00:00:00	10/453608	08/05/2009 00:00:00	2009-0068819-A1	15/05/2010 00:00:00	7214633
RCAB90043	RCAB90043-US-ECT	US	PCT	12/06/2004 00:00:00	05/08/2001 00:00:00	11/586241	08/05/2009 00:00:00	2009-0068819-A1	15/05/2010 00:00:00	7214633
RCAB90038	RCAB90038-US-ECT	US	PCT	29/03/2005 00:00:00	17/10/2005 00:00:00	11/887304	05/11/2009 00:00:00	2009-0276811-A1	16/09/2014 00:00:00	8839310
RCAB90012	RCAB90012-US-ECT	US	PCT	06/01/2005 00:00:00	13/12/2005 00:00:00	11/948459	05/06/2008 00:00:00	2008-0131017-A1	04/10/2011 00:00:00	8019164
RCAB90092	RCAB90092-US-ECT	US	NP	09/08/2000 00:00:00	09/08/2000 00:00:00	09/453393		2008-0131017-A1		
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RCAB90056	RCAB90056-US-ECT	US	NP	03/08/2006 00:00:00	23/06/2006 00:00:00	11/427960	08/02/2007 00:00:00	2007-0033608-A1		
RCAB90505	RCAB90505-US-ECT	US	PCT	14/04/2005 00:00:00	30/03/2006 00:00:00	11/487808	09/03/2009 00:00:00	2009-0074007-A1	29/03/2011 00:00:00	78517925
RCAB90241	RCAB90241-US-ECT	US	PCT	14/12/2006 00:00:00	14/12/2006 00:00:00	12/448154	11/03/2010 00:00:00	2010-0061694-A1	08/10/2011 00:00:00	8274526
RCAB90201	RCAB90201-US-ECT	US	PCT	18/10/2006 00:00:00	11/12/2007 00:00:00	12/311036	12/09/2009 00:00:00	2009-0238226-A1	25/09/2012 00:00:00	8274526
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RCAB90033	RCAB90033-US-ECT	US	PCT	12/09/2007 00:00:00	12/09/2007 00:00:00	12/310878	11/03/2010 00:00:00	2010-0064330-A1	25/01/2011 00:00:00	7876240
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RCAB90133	RCAB90133-US-ECT	US	NP	13/12/2007 00:00:00	04/12/2008 00:00:00	12/315574	20/08/2009 00:00:00	2009-0207303-A1	20/03/2012 00:00:00	8139153
RCAB90228	RCAB90228-US-ECT	US	PCT	14/01/2008 00:00:00	14/01/2008 00:00:00	12/735371	11/11/2010 00:00:00	2010-0283390-A1	15/10/2013 00:00:00	8559563
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RCAB90044	RCAB90044-US-ECT	US	PCT	05/05/2009 00:00:00	05/05/2010 00:00:00	12/799946	15/03/2012 00:00:00	2012-0065665-A1		
RCAB90015	RCAB90015-US-ECT	US	NP	02/10/2008 00:00:00	30/09/2009 00:00:00	12/586931	29/07/2010 00:00:00	2010-0188430-A1	11/09/2012 00:00:00	8284602
RCAB90212	RCAB90212-US-ECT	US	PCT	13/01/2010 00:00:00	13/01/2010 00:00:00	13/521280	03/01/2013 00:00:00	2013-0002656-A1		
RCAB90018	RCAB90018-US-ECT	US	PCT	29/01/2010 00:00:00	28/01/2011 00:00:00	13/578603	29/11/2012 00:00:00	2012-0308043-A1		
RCAB90014	RCAB90014-US-ECT	US	PCT	22/01/2010 00:00:00	10/03/2010 00:00:00	13/578603	29/11/2012 00:00:00	2012-0308043-A1		
RCAB90032	RCAB90032-US-ECT	US	PCT	12/03/2009 00:00:00	10/03/2010 00:00:00	13/138626	05/01/2012 00:00:00	2012-0002722-A1		
RCAB98539	RCAB98539-US-ECT	US	NP	16/04/1997 00:00:00	16/04/1997 00:00:00	08/83301				
RCAB98091	RCAB98091-US-ECT	US	NP	22/12/1999 00:00:00	21/12/1999 00:00:00	09/466117				
RCAB98092	RCAB98092-US-ECT	US	NP	14/12/1998 00:00:00	14/12/1998 00:00:00	09/466117				
RCAB98038	RCAB98038-US-ECT	US	PCT	16/05/1999 00:00:00	09/07/200359	09/148209				
RCAB98037	RCAB98037-US-ECT	US	PCT	05/09/1997 00:00:00	04/09/1998 00:00:00	09/148209				
RCAB98045	RCAB98045-US-ECT	US	PCT	24/08/2000 00:00:00	21/08/2001 00:00:00	09/338650	13/03/2002 00:00:00	2002-00034084-A1		
RCAB98008	RCAB98008-US-ECT	US	PCT	17/12/1999 00:00:00	15/12/2000 00:00:00	10/148492	21/03/2003 00:00:00	2003-0048407-A1		
RCAB98356	RCAB98356-US-ECT	US	PCT	12/01/1999 00:00:00	21/06/2000 00:00:00	10/946667	13/03/2003 00:00:00	2003-0048407-A1		
RCAB98042	RCAB98042-US-ECT	US	PCT	08/06/2000 00:00:00	21/06/2000 00:00:00	10/019193				
RCAB98005	RCAB98005-US-ECT	US	PCT	12/12/2001 00:00:00	12/06/2002 00:0					

Family	Application	Country	Protection Type	Fam 1st Prior Fil Date	FILINGDATE	FILINGNUMBER	PUBLICATIONDATE	PUBLICATIONNUMBER	GRANTDATE	GRANTNUMBER
P00000175	P00000175-US-PCT	US	PCT	20/12/2000 00:00:00	18/12/2001 00:00:00	10/431606	08/07/2004 00:00:00	2004-0130660-A1	25/12/2007 00:00:00	7312830
P0000068	P0000068-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
P010163	P010163-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
P010320	P010320-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
P040213	P040213-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
P030281	P030281-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
P030249	P030249-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
P050909	P050909-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
P050925	P050925-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
P050155	P050155-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
P070107	P070107-US-PCT	US	PCT	03/04/2007 00:00:00	14/12/2007 00:00:00	12/450621	22/07/2010 00:00:00	2010-0184386-A1	20/03/2012 00:00:00	8138664
P070129	P070129-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		
P060120	P060120-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		
P060127	P060127-US-PCT	US	PCT	10/07/2006 00:00:00	12/08/2015 00:00:00	14/824842				
P010072	P010072-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	P0100250-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		
PF10125	PF10125-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							
P090025	P090025-US-PCT	US	PCT							