

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4633674

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	ZOETIS LLC	04/26/2015
RECEIVING PARTY DATA		
Name:	ZOETIS SERVICES LLC	
Street Address:	10 SYLVAN WAY	
City:	PARSIPPANY	
State/Country:	NEW JERSEY	
Postal Code:	07054	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	15543630	
CORRESPONDENCE DATA		
Fax Number:	(862)210-6437	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>		
Phone:	2693599570	
Email:	animalhealthdocketing@zoetis.com	
Correspondent Name:	VYACHESLAV VASILYEV	
Address Line 1:	ZOETIS SERVICES LLC	
Address Line 2:	10 SYLVAN WAY	
Address Line 4:	PARSIPPANY, NEW JERSEY 07054	
ATTORNEY DOCKET NUMBER:	ZP000077A	
NAME OF SUBMITTER:	VYACHESLAV VASILYEV	
SIGNATURE:	/Vyacheslav Vasilyev/	
DATE SIGNED:	10/10/2017	
Total Attachments: 39		
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PATENT ASSIGNMENT

This PATENT ASSIGNMENT (the "Assignment") is made effective as of April 26, 2015 (the "Effective Date"), by and between Zoetis LLC, a Delaware limited liability company located at 100 Campus Drive, Florham Park, NJ, 07932 ("Assignor") and Zoetis Services LLC, a Delaware limited liability company located at 100 Campus Drive, Florham Park, NJ 07932 ("Assignee"). Assignor and Assignee may be referred to herein individually as a "Party" and collectively as the "Parties." Capitalized terms used but not defined herein shall have the meaning ascribed to such terms in the Transfer Agreement (as defined herein).

RECITALS:

WHEREAS, pursuant to the Asset Transfer Agreement, effective as of April 26, 2015, by and between Assignor, Assignee, and Zoetis PI LLC, Zoetis Holdings LLC, Zoetis WLC LLC, Zoetis Products LLC, Embrex LLC (f/k/a Embrex, Inc.), Synbiotics LLC (f/k/a Synbiotics Corporation), and Zoetis US LLC (f/k/a Zoetis B Inc.) (the "Transfer Agreement"), Assignor is assigning to the Assignee all of Assignor's right, title and interest in, to and under the issued patents and patent applications identified on Schedule A hereto (collectively, the "Assigned Patent Rights").

NOW, THEREFORE, for good and valuable consideration the receipt of which is hereby acknowledged and in consideration of the mutual agreements, provisions and covenants contained in this Assignment, the Parties, intending to be legally bound, hereby agree as follows:

1. **Conveyance.** Assignor hereby transfers, conveys and assigns to Assignee its entire right, title and interest in, to and under (a) the Assigned Patent Rights, for the United States and for all foreign countries, including any and all (i) divisionals, continuations, and continuations-in-part that claim priority to any Assigned Patent Rights to the extent the claims thereof are entirely supported by such Assigned Patent Rights, (ii) reissues, renewals, re-examinations, substitutions, extensions, or additions of the Assigned Patent Rights, (iii) foreign equivalents of the Assigned Patent Rights, and (iv) rights to apply for, prosecute and obtain patents in respect of any of the inventions to the extent fully supported by the Assigned Patent Rights in any country of the world, including the right to claim priority from the Assigned Patent Rights under the Paris Convention for the Protection of Industrial Property, and under any and all other applicable treaties and agreements which afford similar priority-claiming privileges, in all countries of the world, and (b) the right to sue for and to recover damages and other remedies in respect of any past, present or future infringement or other unauthorized use or violation of the Assigned Patent Rights.
2. **Issuance and Recordation.** Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue any and all Assigned Patent Rights to Assignee, its successors and assigns, in accordance with the terms of this Assignment. Assignor hereby requests the Commissioner of Patents and Trademarks, and the corresponding entities or agencies in any applicable foreign jurisdiction, to record Assignee as the assignee and owner of the Assigned Patent Rights. Assignee shall have the

right to record this Assignment with all applicable government authorities and registrars so as to perfect its ownership of the Assigned Patent Rights.

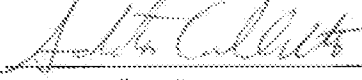
3. **No Modification.** Nothing contained in this Assignment is intended to or shall be deemed to modify, alter, amend or otherwise change any of the rights or obligations of Assignee or Assignor under the Transfer Agreement. Without limiting the foregoing, in the event and to the extent that there shall be a conflict between the provisions of this Assignment and the provisions of the Transfer Agreement, the Transfer Agreement shall control.
4. **Successors and Assigns.** This Assignment shall be binding upon and inure to the benefit of the Parties and their respective successors and permitted assigns.
5. **Counterparts.** This Assignment may be executed in one or more counterparts, each of which shall be deemed an original, and all of which shall constitute one and the same agreement and shall become effective when one or more counterparts have been signed by each of the Parties and delivered to the other Party, it being understood that both Parties need not sign the same counterpart.
6. **Interpretation.** The Article and Section headings contained in this Assignment are solely for the purpose of reference, are not part of the agreement of the Parties and shall not in any way affect the meaning or interpretation of this Assignment.
7. **Further Assurances.** Assignor and Assignee hereby covenant and agree, without the necessity of any further consideration, to execute, acknowledge, and deliver any and all such other documents and take any such other action as may be reasonably necessary or appropriate to implement this Assignment and carry out the intent and purposes of this Assignment.
8. **Governing Law.** This Assignment is governed by and construed in accordance with the laws of the State of New York, without regard to its conflict of law rules (other than Sections 5-1401 and 5-1402 of the New York General Obligations Law).
9. **Jurisdiction.** With respect to any suit, action or proceeding relating to this Assignment, each Party hereto irrevocably agrees and consents to be subject to the exclusive jurisdiction of the courts of the State of New York and any court of the United States located in the Borough of Manhattan in New York City; (b) waives any objection which such Party may have at any time to the laying of venue of any action brought in any such court, waives any claim that such action has been brought in an inconvenient forum and further waives the right to object, with respect to such action, that such court does not have jurisdiction over such Party; and (c) consents to the service of process at the address set forth for notices in the Transfer Agreement; provided, however, that such manner of service of process shall not preclude the service of process in any other manner permitted under applicable law.

[Signature page follows]

IN WITNESS WHEREOF, Assignor and Assignee have caused this Assignment to be executed by their duly authorized representatives as of the Effective Date.

ASSIGNOR:

ZOETIS LLC

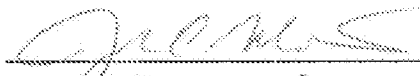


Name: Salvatore Colletti

Title: Vice President

ASSIGNEE:

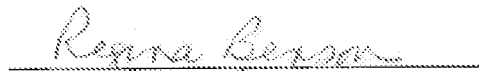
ZOETIS SERVICES LLC



Name: John C. Martin

Title: Vice President

WITNESSED AS TO BOTH BY:



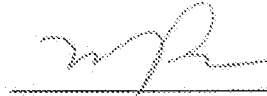
Name: Regina Benson

Nationality: American

Title: Executive Intellectual Property Assistant

Commercial address: 100 Campus Drive
Florham Park, NJ 07932

WITNESSED AS TO BOTH BY:



Name: Maureen Pesapane

Nationality: American

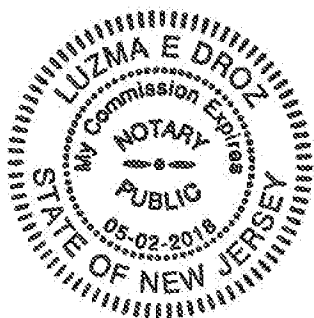
Title: Senior Trademark Analyst

Commercial address: 100 Campus Drive
Florham Park, NJ 07932

Signature Page

STATE OF New Jersey)
)SS.
COUNTY OF Morris)

This instrument was executed before me on this 28th day of April,
2015, by Salvatore Colletti, the Vice President (title) of Zoetis LLC, a limited liability
company organized under the laws of Delaware, on behalf of said limited liability company.



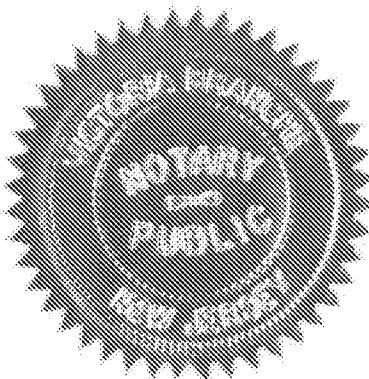
Luzma E. Droz

Notary Public in and for
The [State/Commonwealth] of [New Jersey]
Luzma E. Droz
Printed or Typed Name of Notary

My commission expires 5/02/2018

STATE OF New Jersey)
)SS.
COUNTY OF Morris)

This instrument was executed before me on this 28th day of April,
2015, by John C. Marchis, the Vice President (title) of Zoetis Services, a limited liability
company organized under the laws of Delaware, on behalf of said limited liability company.



Victoria Branche

Notary Public in and for
The [State/Commonwealth] of [New Jersey]
Victoria Branche
Printed or Typed Name of Notary

My commission expires 4-9-2018

SCHEDULE A
ASSIGNED PATENTS

Patents and patent applications:

Country	Application Date	Application No.	Grant Date	Patent No.	Status
Argentina	5/29/1992	322427	9/5/2001	255219	Granted
Argentina	12/19/1996	P960105774	3/31/2006	AR005147	Granted
Argentina	12/3/1997	P970105679	3/29/2007	AR013879B1	Granted
Argentina	8/3/1998	P980103834	9/29/2006	AR016388 B1	Granted
Argentina	11/17/1999	P990105840	1/31/2011	AR023062B1	Granted
Argentina	12/18/2008	P080105537			Filed
Argentina	6/26/2009	P090102382			Filed
Argentina	8/18/2009	P090103164			Filed
Argentina	12/2/2009	P090104645			Filed
Argentina	2/15/2010	P100100431			Filed
Argentina	5/20/2011	P110101750			Filed
Argentina	8/4/2011	P110102823			Filed
Argentina	11/10/2011	P110104212			Filed
Argentina	3/9/2012	P120100780			Filed
Argentina	7/20/2012	P120102662			Filed
Argentina	8/23/2012	P120103114			Filed
Argentina	11/1/2012	P120104088			Filed
Argentina	1/2/2013	P130100013			Filed
Argentina	2/1/2013	I30100320			Filed
Argentina		P130100321			Filed
Argentina	4/4/2013	P130101111			Filed
Argentina		P130101115			Filed
Argentina		P20130101116			Filed
Argentina	4/17/2013	P130101267			Filed
Argentina	5/8/2013	P130101605			Filed
Argentina	6/4/2013	P20130101965			Filed
Argentina	8/30/2013	P130103110			Filed
Argentina	9/10/2013	P130103231			Filed
Argentina	9/25/2013	PI30103443			Filed
Argentina	2/25/2014	P140100587			Filed
Argentina	4/16/2014	P140101634			Filed
Argentina	5/13/2014	P140101927			Filed
Argentina	5/19/2014	P140101988			Filed
Argentina	8/14/2014	P140103066			Filed
Argentina	9/9/2014	P140103366			Filed

Schedule A

1

PATENT
REEL: 044169 FRAME: 0105

Country	Application Date	Application No.	Grant Date	Patent No.	Status
Argentina	10/7/2014	P140103743			Filed
Argentina	11/17/2014	P140104310			Filed
Argentina		P140104311			Filed
Argentina	11/21/2014	P14010437			Filed
Argentina		P140104396			Filed
Argentina	12/16/2014	P140104685			Filed
Argentina	2/9/2015	P150100373			Filed
Australia	11/13/1996	1996073289	12/9/1999	709474	Granted
Australia	7/9/1998	1998082001	1/25/2001	725562	Granted
Australia	7/23/1998	1998093396	7/19/2001	731854	Granted
Australia	10/20/1999	1999059959	6/26/2003	757892	Granted
Australia	12/24/1999	2000025263	6/26/2003	758133	Granted
Australia	2/25/2000	2000030065	5/6/2004	769153	Granted
Australia	12/8/2003	2003283757	5/24/2014	2003283757	Granted
Australia	12/15/2004	2004304717	3/3/2011	2004304717	Granted
Australia	6/16/2008	2008272646	12/5/2013	2008272646	Granted
Australia	12/4/2008	2008348022			Filed
Australia	6/24/2009	2009263759	9/19/2013	2009263759	Granted
Australia	8/10/2009	2009283844	12/19/2013	2009283844	Granted
Australia	11/23/2009	2009323784	11/28/2013	2009323784	Granted
Australia	2/2/2010	2010233409	8/30/2012	2010233409	Granted
Australia	2/15/2011	2011219452	9/11/2014	2011219452	Granted
Australia	4/27/2011	2011254315			Filed
Australia	7/27/2011	2011287323			Filed
Australia	11/9/2011	2011327760			Filed
Australia	2/3/2012	2012213034			Filed
Australia		2012213035			Filed
Australia	2/23/2012	2012226475			Filed
Australia	3/8/2012	2012232748			Filed
Australia	7/5/2012	2012285432			Filed
Australia	8/10/2012	2012298229			Filed
Australia	10/5/2012	2012324486			Filed
Australia	10/8/2012	2012324491			Filed
Australia	10/25/2012	2012330857			Filed
Australia	12/3/2012	2012258478	1/16/2014	2012258478	Granted
Australia	12/20/2012	2012363652			Filed
Australia	1/29/2013	2013215368			Filed
Australia		2013215374			Filed
Australia	3/1/2013	2013230499			Filed

Schedule A

Country	Application Date	Application No.	Grant Date	Patent No.	Status
Australia	3/15/2013	2013231956			Filed
Australia	4/3/2013	2013243535			Filed
Australia		2013243537			Filed
Australia		2013243540			Filed
Australia	4/5/2013	2013204971			Filed
Australia	4/12/2013	2013204176			Filed
Australia		2013204975			Filed
Australia	5/6/2013	2013259847			Filed
Australia	5/24/2013	2013267716			Filed
Australia	5/28/2013	2013272057			Filed
Australia	6/6/2013	2013271564			Filed
Australia	7/18/2013	2013292547			Filed
Australia		2013292617			Filed
Australia	7/25/2013	2013295770			Filed
Australia	8/28/2013	2013308887			Filed
Australia	9/4/2013	2013312882			Filed
Australia		2013312891			Filed
Australia		2013312896			Filed
Australia		2013324198			Filed
Australia	9/5/2013	2013224704			Filed
Australia	9/25/2013	2013323687			Filed
Australia	10/23/2013	2013248191			Filed
Australia	6/20/2014	201413061	7/21/2014	356552	Granted
Australia	7/30/2014	2014208223			Filed
Australia	2/11/2015	2015900436			Filed
Austria	11/13/1996	EP0868183	1/30/2002	E212551	Granted
Austria	7/9/1998	98931835.7	2/24/2010	E458493	Granted
Austria	7/23/1998	98946289.0	4/23/2003	E238333	Granted
Austria	10/20/1999	99972494.1	2/2/2005	E288201	Granted
Austria	11/24/2006	SZ39/2006	9/28/2007	SZ39/2006	Granted
Austria	2/1/2007	SZ8/2007	6/13/2007	SZ8/2007	Granted
Austria	8/10/2009	09786882.2	4/23/2014	2384326	Granted
Austria	7/6/2010	SZ26/2010	4/13/2011	SZ26/2010	Granted
Belarus	4/3/2013	a20140515			Filed
Belarus		a20140516			Filed
Belarus		a20140517			Filed
Belgium	11/13/1996	96935251.7	1/30/2002	EP0868183	Granted
Belgium	7/9/1998	98931835.7	2/24/2010	1007084	Granted
Belgium	7/23/1998	98946289.0	4/23/2003	EP1003764	Granted

Schedule A

Country	Application Date	Application No.	Grant Date	Patent No.	Status
Belgium	10/20/1999	99972494.1	2/2/2005	1130966	Granted
Belgium	12/24/1999	99968288.3	10/8/2008	1140165	Granted
Belgium	2/25/2000	00908787.5	9/19/2007	EP1157094	Granted
Belgium	12/4/2006	2006C/038	2/6/2007	2006C/038	Granted
Belgium	1/11/2007	2007C/001	2/6/2007	2007C/001	Granted
Belgium	8/10/2009	09786882.2	4/23/2014	2384326	Granted
Belgium	7/28/2010	2010C/029			Filed
Brazil	7/23/1998	PI9811826-9			Filed
Brazil	10/20/1999	PI9915458-7	4/19/2011	PI9915458-7	Granted
Brazil	2/25/2000	PI0008508-1	8/20/2013	PI0008508-1	Granted
Brazil	12/15/2004	PI0417810-6			Filed
Brazil	8/19/2010	PI0017588-9	1/7/2014	PI0017588-9	Granted
Brazil	9/8/2011	BR112013006686-5			Filed
Brazil	11/9/2011	BR112013011606-4			Filed
Brazil	2/3/2012	BR112013019675-0			Filed
Brazil		BR112013019850-8			Filed
Brazil	2/23/2012	BR112013023068-1			Filed
Brazil	3/8/2012	BR112013024074-1			Filed
Brazil	4/26/2012	BR302012002084-0			Filed
Brazil	7/5/2012	BR112014001407-8			Filed
Brazil	8/10/2012	BR112014004261-6			Filed
Brazil	10/5/2012	BR112014009217-6			Filed
Brazil	10/8/2012	BR112014009220-6			Filed
Brazil	10/25/2012	BR112014010689.4			Filed
Brazil	12/20/2012	BR1120140165750			Filed
Brazil	1/29/2013	BR1120140186502			Filed
Brazil		BR1120140192120			Filed
Brazil	3/1/2013	BR1120140222142			Filed
Brazil	3/15/2013	BR1120140226121			Filed
Brazil	4/3/2013	BR1120140245339			Filed
Brazil		BR1120140247757			Filed
Brazil		BR1120140247854			Filed
Brazil	5/6/2013	BR112014027805-9			Filed
Brazil	5/24/2013	BR112014029725-8			Filed
Brazil	5/28/2013	BR1120140303959			Filed
Brazil	7/18/2013	BR1120150008089			Filed
Brazil		PCT/US2013/050982			Filed
Brazil	8/28/2013	BR1120150041353			Filed
Brazil	9/4/2013	BR112015004695-9			Filed

Schedule A

Country	Application Date	Application No.	Grant Date	Patent No.	Status
Brazil		BR112015004698-3			Filed
Brazil		BR112015004826-9			Filed
Brazil		BR112015006243-1			Filed
Brazil	9/25/2013	BR112015006220-2			Filed
Brazil	7/3/2014	BR3020140031414			Filed
Bulgaria	11/13/1996	102542	4/9/2003	63933	Granted
Bulgaria	2/5/2007	07/0003	5/27/2014	07/0003	Granted
Bulgaria	8/10/2009	09786882.2	4/23/2014	2384326	Granted
Canada	9/16/1986	518238	9/14/1999	1340734	Granted
Canada	11/13/1996	2239352	6/4/2002	2239352	Granted
Canada	7/9/1998	2294865	5/21/2013	2294865	Granted
Canada	7/23/1998	2296109	11/4/2003	2296109	Granted
Canada	10/20/1999	2351730	12/5/2006	2351730	Granted
Canada	12/24/1999	2359111	2/18/2014	2359111	Granted
Canada	2/25/2000	2366896	10/19/2010	2366896	Granted
Canada	12/8/2003	2517622	4/7/2009	2517622	Granted
Canada	6/16/2008	2690111	11/15/2011	2690111	Granted
Canada	9/22/2008	2698585	4/9/2013	2698585	Granted
Canada	12/4/2008	2710186			Filed
Canada	6/24/2009	2723786			Filed
Canada	8/10/2009	2733359	8/5/2014	2733359	Granted
Canada	11/23/2009	2744750			Filed
Canada	2/15/2011	2788659			Filed
Canada	4/27/2011	2798055			Filed
Canada	7/27/2011	2807005	4/7/2015	2807005	Granted
Canada	11/9/2011	2817486			Filed
Canada	2/3/2012	2826058			Filed
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Canada	2/23/2012	2828397			Filed
Canada	3/8/2012	2829179			Filed
Canada	7/5/2012	2842475			Filed
Canada	8/10/2012	2846385			Filed
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Canada	10/8/2012	2851412			Filed
Canada	10/25/2012	2854061			Filed
Canada	12/20/2012	2860574			Filed
Canada	1/29/2013	2863625			Filed
Canada		2863629			Filed
Canada	3/1/2013	2866354			Filed

Schedule A

Country	Application Date	Application No.	Grant Date	Patent No.	Status
Canada	4/3/2013	2869594			Filed
Canada		2869601			Filed
Canada		2869603			Filed
Canada	5/6/2013	2872989			Filed
Canada	5/15/2013	2872789			Filed
Canada	5/24/2013	2874966			Filed
Canada	5/28/2013	2874990			Filed
Canada	6/6/2013	2875783			Filed
Canada	7/18/2013	2878867			Filed
Canada		2879443			Filed
Canada	8/28/2013	2881467			Filed
Canada	9/3/2013	2882199			Filed
Canada	9/4/2013	2881844			Filed
Canada		2882200			Filed
Canada		2882546			Filed
Canada		2884875			Filed
Canada	9/25/2013	2884850			Filed
Canada	7/4/2014	157520	3/3/2015	157520	Granted
Chile	12/20/1996	2307-1996	8/21/2002	41.496	Granted
Chile	12/16/2004	3199-2004	6/12/2009	45.167	Granted
Chile	12/19/2008	2008-3845			Filed
Chile	8/10/2009	2011-353			Filed
Chile	11/23/2009	01343-2011			Filed
Chile	2/2/2010	1775-2011			Filed
Chile	2/3/2012	02219-2013			Filed
Chile		02220-2013			Filed
Chile	2/23/2012	02516-2013			Filed
Chile	8/10/2012	00434-2014			Filed
Chile	1/29/2013	02033-2014			Filed
Chile		02034-2014			Filed
Chile	3/1/2013	02348-2014			Filed
Chile	4/3/2013	02674-2014			Filed
Chile		02675-2014			Filed
Chile		02676-2014			Filed
Chile	5/6/2013	02868-2014			Filed
Chile	8/28/2013	00332-2015			Filed
Chile	9/3/2013	00528-2015			Filed
Chile	9/4/2013	00586-2015			Filed
Chile	9/25/2013	00607-2015			Filed

Schedule A

Country	Application Date	Application No.	Grant Date	Patent No.	Status
Chile	7/4/2014	01790-2014			Filed
China P.R.	6/6/1996	96110383.3	6/16/2004	96110383.3	Granted
China P.R.		96110384.1	6/16/2004	96110384.1	Granted
China P.R.	11/13/1996	96199249.2	4/9/2002	96199249.2	Granted
China P.R.	7/23/1998	200410008225.8	3/7/2007	200410008225.8	Granted
China P.R.		98808106.7	8/11/2004	98808106.7	Granted
China P.R.	10/20/1999	99813455.4	4/28/2004	99813455.4	Granted
China P.R.	2/25/2000	00806754.6	6/29/2005	00806754.6	Granted
China P.R.	12/15/2004	200480037749.8	4/2/2008	200480037749.8	Granted
China P.R.	6/16/2008	200880022643.9	5/23/2012	200880022643.9	Granted
China P.R.	9/22/2008	200880108269.4	7/31/2013	200880108269.4	Granted
China P.R.	12/4/2008	200880121714.0			Filed
China P.R.	6/24/2009	200980124560.5			Filed
China P.R.	8/10/2009	200980132519.2	4/9/2014	200980132519.2	Granted
China P.R.	11/23/2009	200980148483.7	4/23/2014	200980148483.7	Granted
China P.R.	2/2/2010	201080007929.7	7/17/2013	201080007929.7	Granted
China P.R.	2/15/2011	201180011241.0	8/27/2014	201180011241.0	Granted
China P.R.	4/27/2011	201180035711.7			Filed
China P.R.	7/27/2011	201180048341.0			Filed
China P.R.	11/9/2011	201180064674.2			Filed
China P.R.	2/3/2012	201280014795.0			Filed
China P.R.		201280015807.1			Filed
China P.R.	2/23/2012	201280022404.X			Filed
China P.R.	3/8/2012	201280025028.X			Filed
China P.R.	7/5/2012	201280046131.2			Filed
China P.R.	8/10/2012	201280052231.6			Filed
China P.R.	10/5/2012	201280062387.2			Filed
China P.R.	10/8/2012	201280063028.9			Filed
China P.R.	10/25/2012	201280056025.2			Filed
China P.R.	1/29/2013	201380014259.5			Filed
China P.R.		201380014566.3			Filed
China P.R.	3/1/2013	201380023268.0			Filed
China P.R.	3/15/2013	201380020362.0			Filed
China P.R.	4/3/2013	201380023651.6			Filed
China P.R.		201380023653.5			Filed
China P.R.		201380023655.4			Filed
China P.R.	5/6/2013	201380024058.3			Filed
China P.R.	5/15/2013	201380025700.X			Filed
China P.R.	5/24/2013	201380034209.3			Filed

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Country	Application Date	Application No.	Grant Date	Patent No.	Status
China P.R.	5/28/2013	201380039010.X			Filed
China P.R.	6/6/2013	201380029847.6			Filed
China P.R.	7/18/2013	201380038536.6			Filed
China P.R.		201380038563.3			Filed
China P.R.	8/28/2013	201380044821.9			Filed
China P.R.	9/4/2013	201380046541.1			Filed
China P.R.		201380046559.1			Filed
China P.R.		201380046586.9			Filed
China P.R.		PCT/US2013/057910			Filed
China P.R.	9/25/2013	201380050445.4			Filed
China P.R.	5/13/2014	201410197979.6			Filed
China P.R.		201410198333.X			Filed
China P.R.	6/24/2014	201430199087.0	12/31/2014	201430199087.0	Granted
China P.R.	8/22/2014	201410419782.2			Filed
China P.R.	3/5/2015	201510098559.7			Filed
Colombia	12/2/1997	97070532	6/29/2004	28051	Granted
Colombia	7/27/2011	13-020.595	10/6/2014	4886	Granted
Colombia	11/9/2011	13-115.457			Filed
Colombia	2/3/2012	13-184.698			Filed
Colombia		13-184.705			Filed
Colombia	2/23/2012	13-211.877	1/7/2015	5799	Granted
Colombia	3/1/2013	14.198.156			Filed
Colombia	4/3/2013	14-219.838			Filed
Colombia		14-219.860			Filed
Colombia		14-219.866			Filed
Colombia	5/6/2013	14-248.202			Filed
Colombia	6/20/2013	13-147.403-2			Filed
Colombia		13-147.411			Filed
Colombia	8/28/2013	15-039.701			Filed
Colombia	9/25/2013	15-069.839			Filed
Colombia	7/3/2014	14-143.511	10/29/2014	8273	Granted
Costa Rica	4/3/2013	PCT/US2013/035083			Filed
Costa Rica		PCT/US2013/035088			Filed
Costa Rica		PCT/US2013/035091			Filed
Croatia	8/10/2009	09786882.2	4/23/2014	P20140395	Granted
Croatia	4/3/2013	P20140954A			Filed
Croatia		P20140956A			Filed
Croatia		P20140957A			Filed
Cyprus	7/9/1998	98931835.7	2/24/2010	CY1109968	Granted

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Country	Application Date	Application No.	Grant Date	Patent No.	Status
Cyprus	7/23/1998	98946289.0	4/23/2003	CY1100805	Granted
Cyprus	10/20/1999	99972494.1	2/2/2005	CY1103449	Granted
Cyprus	12/24/1999	99968288.3	10/8/2008	CY1108693	Granted
Cyprus	6/16/2008	08762949.9	5/22/2013	CY20131100683	Granted
Cyprus	8/10/2009	CY20141100375	4/23/2014	CY1115106	Granted
Cyprus	7/7/2010	CY2010013	8/23/2010	SPCCY2010013	Granted
Czech Republic	11/13/1996	PV1930-98	5/19/2004	293747	Granted
Czech Republic	7/23/1998	PV2000-95	6/7/2006	296906	Granted
Czech Republic	10/20/1999	PV 2001-1734	2/5/2014	304345	Granted
Czech Republic	3/27/2007	SPC/CZ2007/104	7/10/2007	281403/104	Granted
Czech Republic	8/10/2009	09786882.2	4/23/2014	2384326	Granted
Denmark	11/13/1996	96935251.7	1/30/2002	EP0868183	Granted
Denmark	7/9/1998	98931835.7	2/24/2010	1007084	Granted
Denmark	7/23/1998	98946289.0	4/23/2003	EP1003764	Granted
Denmark	10/20/1999	99972494.1	2/2/2005	1130966	Granted
Denmark	12/24/1999	99968288.3	10/8/2008	1140165	Granted
Denmark	12/18/2006	CA200600036	2/11/2008	CR200600036	Granted
Denmark	2/22/2007	CA200700014	3/10/2008	CR200700014	Granted
Denmark	8/10/2009	09786882.2	4/23/2014	2384326	Granted
Denmark	7/20/2010	C201000023	1/24/2011	CR2010 00023	Granted
El Salvador	4/3/2013	2014004822			Filed
El Salvador		2014004823			Filed
El Salvador		2014004824			Filed
Estonia	8/10/2009	09786882.2	4/23/2014	E009330	Granted
European Community Design	4/20/2012	002029827-0001	4/20/2012	002029827-0001	Granted
European Community Design	7/4/2014	002496620			Filed
Finland	11/13/1996	96935251.7	1/30/2002	EP0868183	Granted
Finland	7/9/1998	98931835.7	2/24/2010	1007084	Granted
Finland	7/23/1998	98946289.0	4/23/2003	EP1003764	Granted
Finland	10/20/1999	99972494.1	2/2/2005	1130966	Granted
Finland	12/24/1999	99968288.3	10/8/2008	1140165	Granted
Finland	3/13/2007	I20070011	2/24/2011	114475	Granted
Finland	8/10/2009	09786882.2	4/23/2014	2384326	Granted
Finland	8/13/2010	C20100020	2/27/2013	366	Granted
France	6/7/1995	95918719.6	6/27/2001	EP0831896	Granted
France		95918720.4	3/28/2001	EP0831897	Granted
France	11/13/1996	96935251.7	1/30/2002	EP0868183	Granted
France	7/9/1998	98931835.7	2/24/2010	1007084	Granted

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Country	Application Date	Application No.	Grant Date	Patent No.	Status
France	7/23/1998	98946289.0	4/23/2003	EP1003764	Granted
France	10/20/1999	99972494.1	2/2/2005	1130966	Granted
France	2/25/2000	00908787.5	9/19/2007	EP1157094	Granted
France	12/8/2003	03775738.2	8/24/2011	1581184	Granted
France	11/24/2006	06C0039	4/27/2007	06C0039	Granted
France	2/2/2007	07C0009	10/19/2009	07C0009	Granted
France	6/16/2008	08762949.9	5/22/2013	2170321	Granted
France	8/10/2009	09786882.2	4/23/2014	2384326	Granted
France	2/2/2010	10703519.8	12/19/2012	2396006	Granted
France	8/24/2010	10C0035	6/22/2012	10C0035	Granted
Germany	6/7/1995	95918719.6	6/27/2001	69521533.7	Granted
Germany		95918720.4	3/28/2001	69520509.9	Granted
Germany	11/13/1996	96935251.7	1/30/2002	69618987.9	Granted
Germany	7/9/1998	98931835.7	2/24/2010	69841521.3	Granted
Germany	7/23/1998	98946289.0	4/23/2003	69813830.9	Granted
Germany	10/20/1999	99972494.1	2/2/2005	69923583.9	Granted
Germany	2/25/2000	00908787.5	9/19/2007	60036460.7	Granted
Germany	12/8/2003	03775738.2	8/24/2011	60338196.0	Granted
Germany	11/23/2006	122006000065.8	2/28/2007	122006000065.8	Granted
Germany	12/8/2006	122006000066.6	9/5/2007	122006000066.6	Granted
Germany	6/16/2008	08762949.9	5/22/2013	602008024807.0	Granted
Germany	8/10/2009	09786882.2	4/23/2014	602009023530.3	Granted
Germany	2/2/2010	10703519.8	12/19/2012	602010004205.7	Granted
Germany	8/17/2010	122010000033.5			Filed
Great Britain	6/7/1995	95918719.6	6/27/2001	EP0831896	Granted
Great Britain		95918720.4	3/28/2001	EP0831897	Granted
Great Britain	11/13/1996	96935251.7	1/30/2002	EP0868183	Granted
Great Britain	7/9/1998	98931835.7	2/24/2010	1007084	Granted
Great Britain	12/24/1999	99968288.3	10/8/2008	1140165	Granted
Great Britain	2/25/2000	00908787.5	9/19/2007	EP1157094	Granted
Great Britain	11/24/2006	SPC/GB06/039	3/27/2007	SPC/GB06/039	Granted
Great Britain	1/19/2007	SPC/GB07/008	9/26/2007	SPC/GB07/008	Granted
Great Britain	6/16/2008	08762949.9	5/22/2013	2170321	Granted
Great Britain	8/10/2009	09786882.2	4/23/2014	2384326	Granted
Great Britain	2/2/2010	10703519.8	12/19/2012	2396006	Granted
Great Britain	7/6/2010	SPC/GB10/033	7/24/2012	SPC/GB10/033	Granted
Greece	11/13/1996	96935251.7	1/30/2002	3038138	Granted
Greece	7/9/1998	98931835.7	2/24/2010	3071739	Granted
Greece	7/23/1998	98946289.0	4/23/2003	3043683	Granted

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Country	Application Date	Application No.	Grant Date	Patent No.	Status
Greece	10/20/1999	99972494.1	2/2/2005	3052632	Granted
Greece	12/24/1999	99968288.3	10/8/2008	3067741	Granted
Greece	11/28/2006	20060800030	5/31/2007	8000226	Granted
Greece	2/2/2007	20070800006	9/14/2007	8000235	Granted
Greece	6/16/2008	08762949.9	5/22/2013	2170321	Granted
Greece	8/10/2009	09786882.2	4/23/2014	3083478	Granted
Greece	7/20/2010	20100800022	2/22/2011	8000348	Granted
Guatemala	4/3/2013	A-2014-00210			Filed
Guatemala		A-2014-00211			Filed
Guatemala		A-2014-00212			Filed
Honduras	4/3/2013	2014-001650			Filed
Honduras		2014-001652			Filed
Honduras		2014-001654			Filed
Hong Kong	3/5/2001	01101581.2	4/29/2005	1030610B	Granted
Hong Kong	4/8/2002	02102583.7	10/8/2004	HK1040593	Granted
Hong Kong	8/29/2007	05100810.3	10/18/2007	HK1068634	Granted
Hong Kong	11/2/2010	10110253.9			Filed
Hong Kong	12/23/2010	10112029.8			Filed
Hong Kong	11/2/2011	11111795.1			Filed
Hong Kong	1/13/2012	12100393.9	10/10/2014	HK1160116	Granted
Hong Kong	2/29/2012	12102051.8	1/23/2015	HK1161304B	Granted
Hong Kong	4/30/2013	13105206.4			Filed
Hong Kong	10/10/2013	13111405.1			Filed
Hong Kong	10/25/2013	13112025.9			Filed
Hong Kong	4/4/2014	14103259.4			Filed
Hong Kong	4/10/2014	14103439.7			Filed
Hong Kong		14103440.4			Filed
Hong Kong		14103441.3			Filed
Hong Kong	4/24/2014	14103937.4			Filed
Hong Kong	7/30/2014	14107749.3			Filed
Hong Kong	8/7/2014	14108091.5			Filed
Hong Kong	2/18/2015	15101790.3			Filed
Hong Kong	2/26/2015	15101931.3			Filed
Hong Kong		15101932.2			Filed
Hungary	11/13/1996	P9903726	11/13/2012	227918	Granted
Hungary	7/23/1998	P0003399	1/3/2013	228202	Granted
Hungary	10/20/1999	P0104235	2/19/2014	229493	Granted
Hungary	2/21/2007	S0700001	12/3/2009	S000081	Granted
Hungary	8/10/2009	09786882.2	4/23/2014	E021809	Granted

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Country	Application Date	Application No.	Grant Date	Patent No.	Status
Iceland	3/8/2007	0001/07	4/15/2008	SPC28	Granted
India	6/6/1996	1236/DEL/96	9/3/2013	257104	Granted
India	12/18/1996	2854/DEL/1996	12/4/2007	212535	Granted
India	2/23/2012	7408/DELNP/2013			Filed
India	10/25/2012	3259/DELNP/2014			Filed
India	1/29/2013	6203/DELNP/2014			Filed
India		6204/DELNP/2014			Filed
India	3/1/2013	8092/DELNP/2014			Filed
India	3/15/2013	8161/DELNP/2014			Filed
India	5/6/2013	9803/DELNP/2014			Filed
India	7/18/2013	PCT/US2013/051015			Filed
India	9/4/2013	2109/DELNP/2015			Filed
India	6/26/2014	263707	2/11/2015	36011	Granted
Indonesia	10/25/2012	P00201402529			Filed
Indonesia	3/15/2013	P00201405467			Filed
Indonesia	4/3/2013	P00201406788			Filed
Indonesia		P00201406790			Filed
Indonesia		P00201406792			Filed
Ireland	11/13/1996	96935251.7	1/30/2002	EP0868183	Granted
Ireland	7/9/1998	98931835.7	2/24/2010	1007084	Granted
Ireland	7/23/1998	98946289.0	4/23/2003	EP1003764	Granted
Ireland	10/20/1999	99972494.1	2/2/2005	1130966	Granted
Ireland	12/24/1999	99968288.3	10/8/2008	1140165	Granted
Ireland	2/25/2000	00908787.5	9/19/2007	EP1157094	Granted
Ireland	12/8/2003	03775738.2	8/24/2011	1581184	Granted
Ireland	11/20/2006	2006/034	5/28/2007	2006/034	Granted
Ireland	1/25/2007	2007/004	12/14/2007	2007/004	Granted
Ireland	6/16/2008	08762949.9	5/22/2013	2170321	Granted
Ireland	8/10/2009	09786882.2	4/23/2014	2384326	Granted
Ireland	2/2/2010	10703519.8	12/19/2012	2396006	Granted
Ireland	7/16/2010	2010/023	10/1/2010	2010/023	Granted
Israel	7/23/1998	133628	7/11/2006	133628	Granted
Israel	2/25/2000	144893	7/11/2006	144893	Granted
Israel	6/16/2003	156463	4/1/2007	156463	Granted
Israel		156464	9/21/2004	156464	Granted
Italy	6/16/2008	08762949.9	5/22/2013	2170321	Granted
Italy	8/10/2009	09786882.2	4/23/2014	2384326	Granted
Italy	2/2/2010	10703519.8	12/19/2012	2396006	Granted
Italy	7/23/2010	0000001172	9/30/2010	CUB-2010CCP001172	Granted

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Country	Application Date	Application No.	Grant Date	Patent No.	Status
Japan	11/13/1996	523447/1997	4/4/2003	3416145	Granted
Japan	7/9/1998	2000-501770	10/26/2012	5116916	Granted
Japan	7/23/1998	511681/99	9/26/2003	3476476	Granted
Japan	10/20/1999	2000-583347	12/26/2003	3507799	Granted
Japan	12/24/1999	2000-593330	3/16/2012	4949555	Granted
Japan	2/25/2000	2000-600682	6/17/2005	3689337	Granted
Japan	4/10/2002	2000-700090	4/2/2003	2732548	Granted
Japan		2000-700091	2/27/2003	2732548	Granted
Japan	8/6/2004	2004-700049	10/3/2012	2776982	Granted
Japan	8/13/2007	2007-700082	3/10/2008	2851428	Granted
Japan	9/22/2008	2010-526052	9/6/2013	5358579	Granted
Japan	12/4/2008	2010-538934			Filed
Japan	6/24/2009	2011-515706	12/12/2014	5659332	Granted
Japan	8/10/2009	2011-523467	12/16/2011	4884570	Granted
Japan	10/23/2009	2009-244560	3/29/2013	5231378	Granted
Japan	11/23/2009	2011-539129			Filed
Japan	2/22/2011	2011-036219			Filed
Japan	6/3/2011	2011-700129	6/6/2012	2645225	Granted
Japan		2011-700130	6/6/2012	2645225	Granted
Japan	7/14/2011	2011-700156	6/6/2012	2645225	Granted
Japan		2011-700157	6/6/2012	2645225	Granted
Japan		2011-700158	6/6/2012	2645225	Granted
Japan	7/27/2011	2013-522329	11/15/2013	5409968	Granted
Japan	11/9/2011	2013-538313			Filed
Japan	2/3/2012	2013-552316			Filed
Japan		2013-552317			Filed
Japan	2/23/2012	2013-557191			Filed
Japan	3/8/2012	2014-500494			Filed
Japan	7/5/2012	2014-520753			Filed
Japan	8/10/2012	2014-526574			Filed
Japan	10/5/2012	2014-536362			Filed
Japan	10/8/2012	2014-536363			Filed
Japan	10/18/2012	2012-230471			Filed
Japan	10/25/2012	2014-539438			Filed
Japan	1/29/2013	2014-555625			Filed
Japan		2014-555626			Filed
Japan	3/1/2013	2014-560958			Filed
Japan	3/15/2013	2015-500655			Filed
Japan	4/3/2013	2015-504698			Filed

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PATENT
REEL: 044169 FRAME: 0117

Country	Application Date	Application No.	Grant Date	Patent No.	Status
Japan		2015-504699			Filed
Japan		2015-504701			Filed
Japan	5/6/2013	2015-511562			Filed
Japan	5/15/2013	2015-512788			Filed
Japan	5/24/2013	2015-515084			Filed
Japan	5/28/2013	2015-516058			Filed
Japan	6/6/2013	2015-516189			Filed
Japan	7/18/2013	PCT/US2013/050982			Filed
Japan		PCT/US2013/051015			Filed
Japan	8/28/2013	PCT/US2013/056945			Filed
Japan	9/4/2013	PCT/US2013/057910			Filed
Japan		PCT/US2013/057925			Filed
Japan	9/25/2013	PCT/US2013/061580			Filed
Japan	1/24/2014	2014-011040			Filed
Japan		2014-011047			Filed
Japan	6/26/2014	2014-13938	3/20/2015	1521974	Granted
Japan	8/12/2014	2014-164086			Filed
Japan	3/17/2015	2015-053170			Filed
Korea South	11/13/1996	98-704719	10/8/2003	402570	Granted
Korea South	7/9/1998	10-2000-7000181	2/2/2007	10-0680631	Granted
Korea South	7/23/1998	10-2000-7001184	4/26/2002	10-336060	Granted
Korea South	10/20/1999	10-2001-7006309	11/15/2004	458406	Granted
Korea South	2/25/2000	2001-7010897	4/18/2006	573613	Granted
Korea South	9/22/2008	10-2010-7006046	11/21/2012	10-1205636	Granted
Korea South	12/4/2008	2010-7013538	4/9/2013	10-1254848	Granted
Korea South	6/24/2009	2010-7029087	11/21/2013	10-1333852	Granted
Korea South	8/10/2009	10-2011-7003834	11/26/2013	10-1335843	Granted
Korea South	11/23/2009	2011-7015168	10/14/2014	10-1453146	Granted
Korea South	2/15/2011	2012-7024728	1/13/2015	10-1484382	Granted
Korea South	4/27/2011	10-2012-7032744			Filed
Korea South	7/27/2011	10-2013-7005502	3/30/2015	10-1508862	Granted
Korea South	11/9/2011	10-2013-7014640			Filed
Korea South	2/3/2012	10-2013-7022854			Filed
Korea South		10-2013-7022855			Filed
Korea South	2/23/2012	10-2013-7026527			Filed
Korea South	7/5/2012	10-2014-7004364			Filed
Korea South	8/10/2012	10-2014-7007225			Filed
Korea South	10/25/2012	10-2014-7014353			Filed
Korea South	3/1/2013	10-2014-7027930			Filed

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PATENT
REEL: 044169 FRAME: 0118

Country	Application Date	Application No.	Grant Date	Patent No.	Status
Korea South	3/15/2013	10-2014-7028695			Filed
Korea South	4/3/2013	10-2014-7030860			Filed
Korea South		10-2014-7030865			Filed
Korea South		10-2014-7030871			Filed
Korea South	5/15/2013	10-2014-7035258			Filed
Korea South	5/28/2013	10-2014-7033859			Filed
Korea South	7/18/2013	10-2015-7001085			Filed
Korea South	8/28/2013	2015-7004953			Filed
Korea South	9/4/2013	10-2015-7007527			Filed
Korea South		2015-7005936			Filed
Korea South	9/25/2013	10-2015-7007514			Filed
Korea South	1/25/2015	10-2015-7001619			Filed
Kosovo	6/26/2009	426	9/19/2013	755	Granted
Kosovo	8/7/2009	459	9/3/2013	746	Granted
Kosovo	12/2/2009	515			Filed
Kosovo	5/19/2011	KS/P/2011/149			Filed
Kosovo	8/5/2011	KS/P/2011/79			Filed
Kosovo	3/8/2012	KS/P/2012/17			Filed
Kosovo	7/11/2012	KS/P/2012/41			Filed
Kosovo	10/30/2012	KS/P/2012/67			Filed
Kosovo	2/1/2013	KS/P/2013/11			Filed
Kosovo	3/5/2013	KS/P/2013/18			Filed
Kosovo	9/6/2013	KS/P/2013/65			Filed
Kosovo	9/26/2013	KS/P/2013/76			Filed
Latvia	8/10/2009	09786882.2	4/23/2014	2384326	Granted
Lithuania	8/10/2009	09786882.2	4/23/2014	2384326	Granted
Luxembourg	11/13/1996	96935251.7	1/30/2002	EP0868183	Granted
Luxembourg	7/9/1998	98931835.7	2/24/2010	1007084	Granted
Luxembourg	7/23/1998	98946289.0	4/23/2003	EP1003764	Granted
Luxembourg	10/20/1999	99972494.1	2/2/2005	1130966	Granted
Luxembourg	12/24/1999	99968288.3	10/8/2008	1140165	Granted
Luxembourg	11/22/2006	91290	1/22/2007	91290	Granted
Luxembourg	12/6/2006	91293	6/2/2007	91293	Granted
Luxembourg	8/10/2009	09786882.2	4/23/2014	2384326	Granted
Luxembourg	7/28/2010	91711	9/28/2010	91711	Granted
Malaysia	1/12/1994	PI94000081	3/15/2010	MY-141106-A	Granted
Malaysia	12/19/2003	PI20034900	12/31/2010	MY-142767-A	Granted
Malaysia	11/9/2011	PCT/IB2011/055003			Filed
Malaysia	3/15/2013	PI2014702508			Filed

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REEL: 044169 FRAME: 0119

Country	Application Date	Application No.	Grant Date	Patent No.	Status
Malaysia	4/3/2013	PI2014702759			Filed
Malaysia		PI2014702899			Filed
Malaysia		PI2014702901			Filed
Mexico	6/16/2008	MX/A/2010/000115	7/4/2013	311108	Granted
Mexico	6/24/2009	MX/a/2010/014026	6/24/2014	321355	Granted
Mexico	2/2/2010	MX/A/2011/008614	10/9/2013	314133	Granted
Mexico	2/15/2011	MX/A/2012/009798			Filed
Mexico	4/27/2011	MX/A/2012/013451			Filed
Mexico	7/27/2011	MX/A/2013/001437			Filed
Mexico	11/9/2011	MX/A/2013/005205			Filed
Mexico	2/3/2012	MX/A/2013/009012			Filed
Mexico		MX/A/2013/009013			Filed
Mexico	2/23/2012	MX/A/2013/010336	9/30/2014	324012	Granted
Mexico	3/8/2012	MX/A/2013/010816			Filed
Mexico	7/5/2012	MX/A/2014/000803			Filed
Mexico	8/10/2012	MX/a/2014/002170			Filed
Mexico	10/5/2012	MX/A/2014/004742			Filed
Mexico	10/8/2012	MX/A/2014/004743			Filed
Mexico	10/25/2012	MX/A/2014/005422			Filed
Mexico	12/20/2012	MX/A/2014/008194			Filed
Mexico	1/29/2013	MX/A/2014/009387			Filed
Mexico		MX/A/2014/009388			Filed
Mexico	3/1/2013	MX/A/2014/010724			Filed
Mexico	3/15/2013	MX/A/2014/010994			Filed
Mexico	4/3/2013	MX/A/2014/012014			Filed
Mexico		MX/A/2014/012015			Filed
Mexico		MX/A/2014/012016			Filed
Mexico	5/6/2013	MX/A/2014/013594			Filed
Mexico	5/15/2013	MX/A/2014/013964			Filed
Mexico	5/24/2013	MX/A/2014/014652			Filed
Mexico	5/28/2013	MX/a/2014/014806			Filed
Mexico	7/18/2013	MX/A/2015/000789			Filed
Mexico		MX/A/2015/000871			Filed
Mexico	8/28/2013	MX/A/2015/002679			Filed
Mexico	9/4/2013	MX/A/2015/003005			Filed
Mexico		MX/a/2015/003773			Filed
Mexico	9/25/2013	MX/A/2015/003770			Filed
Mexico	12/13/2013	MX/A/2013/014771			Filed
Mexico		MX/A/2013/014772			Filed

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PATENT
REEL: 044169 FRAME: 0120

Country	Application Date	Application No.	Grant Date	Patent No.	Status
Mexico	7/3/2014	MX/F/2014/002025			Filed
Montenegro	6/24/2009	P-2010/194			Filed
Montenegro	8/10/2009	P-2011/22	6/20/2013	01269	Granted
Montenegro	11/23/2009	P-2011/97			Filed
Montenegro	4/27/2011	11722560.7			Filed
Montenegro	2/3/2012	12705438.5			Filed
Montenegro	2/23/2012	12709376.3			Filed
Netherlands	6/7/1995	95918719.6	6/27/2001	EP0831896	Granted
Netherlands		95918720.4	3/28/2001	EP0831897	Granted
Netherlands	11/13/1996	96935251.7	1/30/2002	EP0868183	Granted
Netherlands	7/9/1998	98931835.7	2/24/2010	1007084	Granted
Netherlands	7/23/1998	98946289.0	4/23/2003	EP1003764	Granted
Netherlands	10/20/1999	99972494.1	2/2/2005	1130966	Granted
Netherlands	12/24/1999	99968288.3	10/8/2008	1140165	Granted
Netherlands	2/25/2000	00908787.5	9/19/2007	EP1157094	Granted
Netherlands	11/27/2006	300249	12/13/2006	300249	Granted
Netherlands	12/6/2006	300250	1/5/2007	300250	Granted
Netherlands	8/10/2009	09786882.2	4/23/2014	2384326	Granted
Netherlands	7/22/2010	300457	10/6/2010	300457	Granted
New Zealand	11/13/1996	320545	7/6/2000	320545	Granted
New Zealand	7/9/1998	502080	1/10/2002	502080	Granted
New Zealand	10/20/1999	510678	2/24/2005	510678	Granted
New Zealand	11/17/1999	501160	10/21/2001	501160	Granted
New Zealand	12/24/1999	512011	3/31/2003	512011	Granted
New Zealand	12/8/2003	541269	11/20/2013	541269	Granted
New Zealand	12/9/2004	537110	10/5/2006	537110	Granted
New Zealand	12/15/2004	547565	11/12/2009	547565	Granted
New Zealand	6/16/2008	581859	10/8/2012	581859	Granted
New Zealand	12/4/2008	585877	10/8/2012	585877	Granted
New Zealand	6/24/2009	589079	3/1/2013	589079	Granted
New Zealand	11/23/2009	592979	12/11/2012	592979	Granted
New Zealand	2/15/2011	601450	1/6/2015	601450	Granted
New Zealand	4/27/2011	603431	9/30/2014	603431	Granted
New Zealand	7/27/2011	606194	3/21/2014	606194	Granted
New Zealand	11/9/2011	610376			Filed
New Zealand	2/3/2012	613759			Filed
New Zealand		613770			Filed
New Zealand	2/23/2012	614547			Filed
New Zealand	7/5/2012	620031			Filed

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PATENT
REEL: 044169 FRAME: 0121

Country	Application Date	Application No.	Grant Date	Patent No.	Status
New Zealand	8/10/2012	621257			Filed
New Zealand	10/11/2012	602945	9/2/2014	602945	Granted
New Zealand	12/24/2012	605292	9/30/2014	605292	Granted
New Zealand	3/1/2013	630099			Filed
New Zealand	5/24/2013	701930			Filed
New Zealand	7/18/2013	703152			Filed
New Zealand	7/25/2013	703216			Filed
New Zealand	8/28/2013	704175			Filed
New Zealand	9/4/2013	704627			Filed
New Zealand		705429			Filed
New Zealand	9/25/2013	705388			Filed
New Zealand	2/27/2014	621834			Filed
New Zealand	6/23/2014	418990	8/19/2014	418990	Granted
New Zealand	8/26/2014	629036	1/6/2015	629036	Granted
Nicaragua	4/3/2013	2014-000117-I			Filed
Nicaragua		2014-000118-I			Filed
Nicaragua		2014-000119-I			Filed
Nigeria	12/18/2003	486/2003	1/31/2004	RP15753	Granted
Norway	11/13/1996	982842	10/20/2003	315734	Granted
Norway	9/3/2007	2007 003	4/6/2011	2007003	Granted
Norway	6/16/2008	08762949.9	5/22/2013	2170321	Granted
Norway	8/10/2009	09786882.2	4/23/2014	2384326	Granted
Panama	4/3/2013	90367			Filed
Panama		90368			Filed
Panama		90369			Filed
Paraguay	5/19/2014	20316/2014			Filed
Peru	5/28/2013	002264-2014DIN			Filed
Philippines	5/21/1992	44396	5/16/2001	1-1992-44396	Granted
Philippines	6/24/2009	1-2010-502661			Filed
Philippines	8/10/2009	1-2011-500298	10/24/2013	1-2011-500298	Granted
Philippines	11/23/2009	1-2011-501054			Filed
Philippines	4/27/2011	1-2012-502301			Filed
Philippines	7/27/2011	1-2013-500164			Filed
Philippines	11/9/2011	1-2013-500925			Filed
Philippines	2/3/2012	1-2013-501598			Filed
Philippines		1-2013-501607			Filed
Philippines	2/23/2012	1-2013-501831			Filed
Philippines	3/1/2013	1-2014-501991			Filed
Philippines	4/3/2013	1-2014-502250			Filed

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PATENT
REEL: 044169 FRAME: 0122

Country	Application Date	Application No.	Grant Date	Patent No.	Status
Philippines		1-2014-502251			Filed
Philippines		1-2014-502252			Filed
Philippines	5/15/2013	1-2014-502534			Filed
Philippines	8/28/2013	1-2015-500441			Filed
Philippines	9/25/2013	1-2015-500518			Filed
Philippines	8/14/2014	1-2014-501835			Filed
Philippines		1-2014-501836			Filed
Poland	6/5/1996	P314639	8/30/2002	184002	Granted
Poland		P314640	2/11/2002	184024	Granted
Poland	11/13/1996	P328001	7/8/2003	186795	Granted
Poland	7/9/1998	P338037	5/27/2008	200495	Granted
Poland	7/23/1998	P 338557	8/9/2005	191259	Granted
Poland	10/20/1999	P348638	8/19/2009	204763	Granted
Poland	3/26/2007	91/171379	1/27/2009	171379	Granted
Poland	6/16/2008	08762949.9	5/22/2013	2170321	Granted
Poland	8/10/2009	09786882.2	4/23/2014	2384326	Granted
Poland	11/10/2009	148/200495			Filed
Portugal	6/7/1995	95918719.6	6/27/2001	EP0831896	Granted
Portugal		95918720.4	3/28/2001	EP0831897	Granted
Portugal	11/13/1996	96935251.7	1/30/2002	EP0868183	Granted
Portugal	7/9/1998	98931835.7	2/24/2010	1007084	Granted
Portugal	7/23/1998	98946289.0	4/23/2003	EP1003764	Granted
Portugal	10/20/1999	99972494.1	2/2/2005	1130966	Granted
Portugal	12/24/1999	99968288.3	10/8/2008	1140165	Granted
Portugal	12/12/2006	245	1/11/2007	245	Granted
Portugal	6/16/2008	08762949.9	5/22/2013	2170321	Granted
Portugal	8/10/2009	09786882.2	4/23/2014	2384326	Granted
Portugal	7/28/2010	416B	3/10/2011	416	Granted
Romania	11/13/1996	96935251.7	1/30/2002	EP0868183	Granted
Romania	10/20/1999	99972494.1	2/2/2005	RO/EP1130966T3	Granted
Romania	4/24/2007	C/024	4/29/2009	c/2007024	Granted
Romania	8/10/2009	09786882.2	4/23/2014	2384326	Granted
Russian Federation	11/13/1996	98111831	11/27/1999	2141827	Granted
Russian Federation	7/23/1998	199901056	12/24/2001	002103	Granted
Russian Federation	10/17/2008	93058555/04	12/20/2008	2103269	Granted
Russian Federation	12/4/2008	2010125210	1/20/2012	2440137	Granted
Russian Federation	8/10/2009	2011106331	9/20/2013	2493157	Granted
Russian Federation	7/27/2011	2013104027			Filed
Russian Federation	11/9/2011	2013120979			Filed

Country	Application Date	Application No.	Grant Date	Patent No.	Status
Russian Federation	2/3/2012	2013135887			Filed
Russian Federation		2013136151			Filed
Russian Federation	2/23/2012	2013139630			Filed
Russian Federation	7/5/2012	2014101250			Filed
Russian Federation	10/25/2012	2014116109			Filed
Russian Federation	1/29/2013	2014131950			Filed
Russian Federation		2014131951			Filed
Russian Federation	3/1/2013	2014135705			Filed
Russian Federation	3/15/2013	2014136449			Filed
Russian Federation	4/3/2013	2014140106			Filed
Russian Federation		2014140107			Filed
Russian Federation		2014140108			Filed
Russian Federation	5/28/2013	2014148923			Filed
Russian Federation	8/28/2013	2015107052			Filed
Russian Federation	9/4/2013	2015110856			Filed
Russian Federation	9/25/2013	2015110855			Filed
Russian Federation	6/27/2014	2014502559			Filed
Serbia	8/10/2009	P-332/2014	4/23/2014	53382	Granted
Singapore	7/23/1998	9906454-5	3/28/2002	69925	Granted
Singapore	9/22/2008	201001353-0	8/31/2012	159656	Granted
Slovak Republic	11/13/1996	PV 0807-98S	1/19/2005	284412	Granted
Slovak Republic	7/23/1998	PV0137-2000S	2/9/2004	283899	Granted
Slovak Republic	10/20/1999	PV 0662-2001S	11/11/2010	287540	Granted
Slovak Republic	12/22/2006	PDO0005-2006	12/9/2007	DO47	Granted
Slovak Republic	8/10/2009	09786882.2	4/23/2014	E16522	Granted
Slovenia	11/13/1996	96935251.7	1/30/2002	P9630422	Granted
Slovenia	10/20/1999	99972494.1	2/2/2005	P-9930759	Granted
Slovenia	8/10/2009	09786882.2	4/23/2014	P-200930918	Granted
South Africa	6/6/1996	96/4724	2/25/1998	96/4724	Granted
South Africa	12/20/1996	96/10780	8/26/1998	96/10780	Granted
South Africa	8/4/1998	986970	3/29/2000	98/6970	Granted
South Africa	11/18/1999	99/7174	6/27/2001	99/7174	Granted
South Africa	12/15/2004	2006/04715	3/28/2007	2006/04715	Granted
South Africa	6/16/2008	2010/00672	10/27/2010	2010/00672	Granted
South Africa	12/4/2008	2010/05178	3/30/2011	2010/05178	Granted
South Africa	6/24/2009	2010/07835	1/25/2012	2010/07835	Granted
South Africa	8/10/2009	2011/01701	5/30/2012	2011/01701	Granted
South Africa	11/23/2009	2011/04508	11/28/2012	2011/04508	Granted
South Africa	2/2/2010	2011/05310	9/26/2012	2011/05310	Granted

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South Africa	2/15/2011	2012/06259	5/29/2013	2012/06259	Granted
South Africa	4/27/2011	2012/08264	1/29/2014	2012/08264	Granted
South Africa	7/27/2011	2013/00927	12/23/2013	2013/00927	Granted
South Africa	9/8/2011	2013/02513	12/23/2013	2013/02513	Granted
South Africa	11/9/2011	2013/04204	2/26/2014	2013/04204	Granted
South Africa	2/3/2012	2013/06614			Filed
South Africa		2013/06615			Filed
South Africa	2/23/2012	2013/06817			Filed
South Africa	7/5/2012	2014/00768			Filed
South Africa	12/20/2012	2014/05451			Filed
South Africa	3/1/2013	2014/06477			Filed
South Africa	4/3/2013	2014/06974			Filed
South Africa		2014/07035			Filed
South Africa		2014/07133			Filed
South Africa	5/6/2013	2014/07696			Filed
South Africa	5/24/2013	2014/08438			Filed
South Africa	7/18/2013	2015/00134			Filed
South Africa	8/28/2013	2015/00728			Filed
South Africa	9/4/2013	2015/01226			Filed
South Africa		2015/01641			Filed
South Africa	9/25/2013	2015/01640			Filed
South Africa	7/1/2014	A2014/01018			Filed
Spain	6/7/1995	95918719.6	6/27/2001	EP0831896	Granted
Spain		95918720.4	3/28/2001	EP0831897	Granted
Spain	11/13/1996	96935251.7	1/30/2002	EP0868183	Granted
Spain	7/9/1998	98931835.7	2/24/2010	2339308	Granted
Spain	7/23/1998	98946289.0	4/23/2003	EP1003764	Granted
Spain	10/20/1999	99972494.1	2/2/2005	2237213	Granted
Spain	12/24/1999	99968288.3	10/8/2008	1140165	Granted
Spain	2/25/2000	00908787.5	9/19/2007	ES2290015T3	Granted
Spain	12/8/2003	03775738.2	8/24/2011	2369769	Granted
Spain	12/15/2006	0200600039	7/24/2008	200600039	Granted
Spain	2/27/2007	0200700014	7/28/2008	0200700014	Granted
Spain	6/16/2008	08762949.9	5/22/2013	2423505	Granted
Spain	8/10/2009	09786882.2	4/23/2014	2467109	Granted
Spain	2/2/2010	10703519.8	12/19/2012	2399228	Granted
Spain	7/28/2010	0201000028CC	5/3/2011	0201000028CC	Granted
Sweden	11/13/1996	96935251.7	1/30/2002	EP0868183	Granted
Sweden	7/9/1998	98931835.7	2/24/2010	1007084	Granted

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Country	Application Date	Application No.	Grant Date	Patent No.	Status
Sweden	7/23/1998	98946289.0	4/23/2003	EP1003764	Granted
Sweden	10/20/1999	99972494.1	2/2/2005	1130966	Granted
Sweden	12/24/1999	99968288.3	10/8/2008	1140165	Granted
Sweden	12/14/2006	0690032-8	2/5/2008	0690032-8	Granted
Sweden	3/27/2007	0790027-7	3/18/2008	0790027-7	Granted
Sweden	8/10/2009	09786882.2	4/23/2014	2384326	Granted
Sweden	7/5/2010	1090029-8	9/25/2012	1090029-8	Granted
Switzerland	11/13/1996	96935251.7	1/30/2002	EP0868183	Granted
Switzerland	7/9/1998	98931835.7	2/24/2010	1007084	Granted
Switzerland	7/23/1998	98946289.0	4/23/2003	EP1003764	Granted
Switzerland	10/20/1999	99972494.1	2/2/2005	1130966	Granted
Switzerland	12/24/1999	99968288.3	10/8/2008	1140165	Granted
Switzerland	2/12/2001	C00677054/01	9/30/2002	C0677054/01	Granted
Switzerland	2/29/2008	C00540609/01	7/31/2009	C00540609/01	Granted
Switzerland	4/24/2008	C00587723/01	7/31/2009	C00587723/01	Granted
Switzerland	8/10/2009	09786882.2	4/23/2014	2384326	Granted
Switzerland	7/16/2010	C01007084/01	1/31/2013	C01007084/01	Granted
Taiwan	11/15/1996	85114021	8/11/2001	139317	Granted
Taiwan	9/22/2008	097136325			Filed
Taiwan	12/19/2008	097149908	12/21/2013	I419702	Granted
Taiwan	6/26/2009	098121642			Filed
Taiwan	12/2/2009	098141210			Filed
Taiwan	11/9/2011	100140986	11/1/2014	I458735	Granted
Taiwan	11/1/2012	101140573	10/11/2014	I455683	Granted
Taiwan	3/5/2013	102107673			Filed
Taiwan	4/2/2013	102111963			Filed
Taiwan		102111966			Filed
Taiwan		102111967			Filed
Taiwan	9/10/2013	102132642			Filed
Taiwan	4/16/2014	103113931			Filed
Taiwan	8/1/2014	103126455			Filed
Taiwan	12/16/2014	103143972			Filed
Taiwan	2/9/2015	104104296			Filed
Thailand	6/26/2009	0901002902			Filed
Thailand	12/1/2009	0901005385			Filed
Thailand	11/9/2011	1301002418			Filed
Thailand	10/25/2012	1401002438			Filed
Thailand	3/1/2013	1401005150			Filed
Thailand	3/15/2013	1401005332			Filed

Country	Application Date	Application No.	Grant Date	Patent No.	Status
Thailand	4/3/2013	1401005973			Filed
Thailand		1401005974			Filed
Thailand		1401005975			Filed
Thailand	5/15/2013	1401006875			Filed
Thailand	5/24/2013	1401007189			Filed
Thailand	5/28/2013	1401007251			Filed
Turkey	6/16/2008	08762949.9	5/22/2013	TR201309693T4	Granted
Turkey	8/10/2009	09786882.2	4/23/2014	TR201407176	Granted
Ukraine	6/24/2009	A201013068	1/10/2014	104138	Granted
Ukraine	11/23/2009	A201106460	10/25/2013	103501	Granted
Ukraine	11/9/2011	A201305872			Filed
Ukraine	2/3/2012	A201309552			Filed
Ukraine		A201309553			Filed
Ukraine	3/1/2013	A201409660			Filed
Ukraine	4/3/2013	a201410837			Filed
Ukraine		a201410838			Filed
Ukraine		a201410839			Filed
Ukraine	7/3/2014	201401274			Filed
United States	4/28/1992	08/211120	9/15/1998	5807867	Granted
United States	5/1/1992	07/879083	12/14/1999	6001822	Granted
United States	1/19/1994	08/492039	4/6/1999	5892040	Granted
United States	1/11/1995	08/669555	9/1/1998	5801023	Granted
United States	1/24/1995	08/377552	4/24/2001	6222038	Granted
United States			4/24/2001	6222038-EXT	Granted
United States	6/7/1995	08/973133	12/31/2002	6500438	Granted
United States		08/973151	12/17/2002	6495146	Granted
United States	3/15/1996	08/913430	7/11/2006	7074894	Granted
United States	12/19/1996	08/769809	9/22/1998	5811130	Granted
United States	10/20/1997	08/958864	2/1/2000	6020329-EXT	Granted
United States	5/29/1998	09/424104	7/16/2002	6420536	Granted
United States			7/16/2002	6420536-EXT	Granted
United States	7/23/1998	10/203869	6/14/2005	6906184	Granted
United States	1/22/1999	09/235957	7/18/2000	6090394	Granted
United States	7/1/1999	09/346161	2/1/2000	6019986	Granted
United States	11/18/1999	09/442530	12/11/2001	6329345	Granted
United States	12/22/1999	09/470661	12/31/2002	6500662	Granted
United States	12/24/1999	09/857797			Filed
United States	1/24/2000	09/489711	2/6/2007	7172762	Granted
United States		09/489713	6/3/2003	6572861	Granted

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Country	Application Date	Application No.	Grant Date	Patent No.	Status
United States	2/25/2000	09/701760	1/10/2006	6984378	Granted
United States	5/2/2000	09/563792	6/24/2003	6583274	Granted
United States	5/8/2000	09/566307	7/3/2001	6255320	Granted
United States			7/3/2001	6255320-EXT	Granted
United States	8/10/2000	09/637040	10/14/2003	6632673	Granted
United States	1/24/2001	09/768708	2/4/2003	6514945	Granted
United States	7/30/2001	09/918152	11/30/2004	6825344	Granted
United States	10/16/2001	09/978936	9/28/2004	6797701	Granted
United States	3/8/2002	10/094087	9/30/2003	6627205	Granted
United States		10/094436	3/28/2006	7018640	Granted
United States	4/22/2002	10/127391	6/19/2007	7232680	Granted
United States	4/25/2002	10/133472	11/30/2004	6825327	Granted
United States	7/11/2002	10/194718	12/23/2003	6667393	Granted
United States	9/11/2002	10/241332	11/7/2006	7132106	Granted
United States	10/18/2002	10/273879	8/17/2004	6777393	Granted
United States	11/12/2002	10/292343	5/27/2008	7378408	Granted
United States	11/21/2002	10/301245	1/24/2006	6989238	Granted
United States	2/10/2003	10/361376	6/17/2008	7388085	Granted
United States	3/13/2003	10/388947	11/9/2004	6814971	Granted
United States		10/389139	5/11/2004	6733754	Granted
United States	4/21/2003	10/419661	7/21/2009	7563449	Granted
United States	6/11/2003	10/412450	12/28/2010	7858340	Granted
United States	2/11/2004	10/776795	10/31/2006	7129350	Granted
United States	3/26/2004	10/810922	8/30/2005	6936592	Granted
United States	7/16/2004	10/893712	4/22/2008	7361357	Granted
United States	9/29/2004	10/953979	7/1/2008	7393535	Granted
United States	11/22/2004	10/578162	1/10/2012	8092808	Granted
United States		10/994983	4/8/2008	7355040	Granted
United States	12/15/2004	11/013176	10/14/2008	7435753	Granted
United States	1/3/2005	11/027683			Filed
United States			5/19/2009	7534441	Granted
United States	1/17/2005	10/588070	5/22/2012	8183230	Granted
United States	4/1/2005	11/096831	10/17/2006	7122191	Granted
United States	6/15/2005	11/153103	4/7/2009	7514464	Granted
United States	10/12/2005	11/248552	6/12/2007	7229615	Granted
United States	11/2/2005	11/718828	2/1/2011	7879337	Granted
United States	2/22/2006	11/359334	6/9/2009	7544362	Granted
United States	3/1/2006	11/366851	4/6/2010	7691389	Granted
United States	7/28/2006	11/494825	9/7/2010	7790169	Granted

Country	Application Date	Application No.	Grant Date	Patent No.	Status
United States	10/25/2006	11/586328	11/17/2009	7618797	Granted
United States	1/26/2007	11/698335	6/11/2013	8460679	Granted
United States	3/15/2007	11/724624			Filed
United States	6/29/2007	90/008751	7/31/2012	6846477C1	Granted
United States	9/7/2007	11/851951	7/23/2013	8491915	Granted
United States	10/15/2007	11/974583	9/28/2010	7802541	Granted
United States	11/20/2007	11/942843	6/15/2010	7736658	Granted
United States	4/4/2008	12/098015	7/13/2010	7754222	Granted
United States	4/23/2008	12/107949	8/30/2011	8008078	Granted
United States	6/16/2008	12/666143	5/14/2013	8440633	Granted
United States	9/22/2008	12/235316	10/23/2012	8292340	Granted
United States	2/3/2009	12/364879	6/14/2011	7960426	Granted
United States	3/30/2009	12/383937	3/6/2012	8128937	Granted
United States	6/24/2009	12/490767	11/12/2013	8580280	Granted
United States	8/17/2009	12/542451	3/13/2012	8133899	Granted
United States	10/16/2009	12/733355	3/3/2015	8969536	Granted
United States	10/28/2009	12/607358	7/23/2013	8492132	Granted
United States	10/29/2009	12/608305	11/25/2014	8895025	Granted
United States	11/10/2009	12/615504	12/17/2013	8609827	Granted
United States	11/17/2009	12/619880	7/9/2013	8481705	Granted
United States	11/24/2009	12/624473			Filed
United States	12/31/2009	12/650715	7/8/2014	8771727	Granted
United States	1/4/2010	12/651732			Filed
United States	2/2/2010	13/147600	10/8/2013	8551962	Granted
United States	4/16/2010	12/761568	12/30/2014	8921535	Granted
United States		13/501371	9/30/2014	8846388	Granted
United States	5/7/2010	12/775749			Filed
United States	6/22/2010	12/820566			Filed
United States	6/28/2010	12/824287	5/21/2013	8444997	Granted
United States	2/16/2011	12/932063			Filed
United States	4/19/2011	13/089423	12/27/2011	8084486	Granted
United States	5/19/2011	13/111020			Filed
United States	8/4/2011	13/197826	4/9/2013	8415310	Granted
United States	9/15/2011	13/233459	3/26/2013	8404649	Granted
United States	10/27/2011	29/404956	10/30/2012	D670064	Granted
United States	11/9/2011	13/884077			Filed
United States	1/5/2012	13/344007	4/30/2013	8431138	Granted
United States	1/30/2012	13/360963	3/24/2015	8987283	Granted
United States	2/3/2012	13/983127			Filed

Country	Application Date	Application No.	Grant Date	Patent No.	Status
United States		13/983136			Filed
United States	2/6/2012	13/367009	3/24/2015	8987320	Granted
United States	3/2/2012	13/411232	7/30/2013	RE44399	Granted
United States	3/8/2012	13/414764	6/18/2013	8466115	Granted
United States		14/005943			Filed
United States	3/14/2012	13/420082			Filed
United States	4/30/2012	13/459851	5/13/2014	8722656	Granted
United States	5/24/2012	14/122423			Filed
United States	6/28/2012	13/536081	7/29/2014	8790651	Granted
United States	7/17/2012	13/550845	12/25/2012	8339587	Granted
United States	8/10/2012	14/239917			Filed
United States	8/16/2012	13/587249	6/3/2014	8741303	Granted
United States	10/5/2012	14/351939			Filed
United States	10/8/2012	14/351945	2/24/2015	8962681	Granted
United States	10/25/2012	13/649317			Filed
United States	12/20/2012	14/370239			Filed
United States	12/28/2012	13/729206			Filed
United States	1/29/2013	14/375056			Filed
United States		14/375061			Filed
United States	3/5/2013	13/785422			Filed
United States	3/15/2013	13/834688			Filed
United States	3/26/2013	13/850318			Filed
United States		13/850329			Filed
United States		13/850331			Filed
United States	5/6/2013	14/399084			Filed
United States	5/16/2013	13/895564			Filed
United States	5/22/2013	13/899994			Filed
United States	5/24/2013	13/901669			Filed
United States		14/402977			Filed
United States	6/6/2013	14/405959			Filed
United States	7/18/2013	14/415047			Filed
United States		14/415328			Filed
United States	8/6/2013	13/960543			Filed
United States	8/28/2013	14/422098			Filed
United States	8/29/2013	14/013299			Filed
United States	9/3/2013	14/423288			Filed
United States	9/4/2013	14/423919			Filed
United States		14/423951			Filed
United States		14/426264			Filed

Country	Application Date	Application No.	Grant Date	Patent No.	Status
United States	9/5/2013	14/018993			Filed
United States	9/24/2013	14/034832	2/10/2015	8952149	Granted
United States	12/19/2013	14/134203			Filed
United States	1/6/2014	29/478482			Filed
United States	2/19/2014	14/184002			Filed
United States	2/26/2014	14/367977			Filed
United States	3/6/2014	14/199260			Filed
United States	4/18/2014	14/256043			Filed
United States	5/20/2014	14/282702			Filed
United States	5/22/2014	62/001791			Filed
United States	6/12/2014	14/302730			Filed
United States	6/16/2014	62/012523			Filed
United States	7/8/2014	14/325541			Filed
United States	7/9/2014	62/022455			Filed
United States	7/11/2014	62/023302			Filed
United States	8/6/2014	14/452862			Filed
United States	8/14/2014	62/037403			Filed
United States	9/5/2014	62/046256			Filed
United States	9/8/2014	14/479433			Filed
United States	9/10/2014	14/482556			Filed
United States	9/15/2014	62/050238			Filed
United States	9/19/2014	14/491414			Filed
United States	9/22/2014	62/053350			Filed
United States	10/7/2014	14/507901			Filed
United States	10/9/2014	62/061835			Filed
United States	10/23/2014	14/521923			Filed
United States	11/3/2014	62/074275			Filed
United States	11/4/2014	14/532262			Filed
United States	11/10/2014	14/536855			Filed
United States		14/536869			Filed
United States	11/17/2014	14/543086			Filed
United States		14/543143			Filed
United States	12/11/2014	14/566786			Filed
United States	12/18/2014	62/093657			Filed
United States	12/23/2014	14/580870			Filed
United States	1/13/2015	62/102712			Filed
United States	1/26/2015	62/107600			Filed
United States	2/5/2015	14/614932			Filed
United States	2/9/2015	62/113646			Filed

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Country	Application Date	Application No.	Grant Date	Patent No.	Status
United States	2/11/2015	14/619195			Filed
United States	2/12/2015	14/620835			Filed
United States	2/13/2015	62/115806			Filed
United States	2/26/2015	62/121193			Filed
United States	3/12/2015	62/132050			Filed
United States	3/17/2015	14/659699			Filed
United States	3/30/2015	62/139903			Filed
United States	4/6/2015	14/679161			Filed
United States		62/143412			Filed
Uruguay	12/3/1997	24798	7/27/2003	14121	Granted
Uruguay	3/17/1998	24923	8/9/2001	13.947	Granted
Uruguay	12/14/2004	28.670			Filed
Uruguay	6/26/2009	31942			Filed
Uruguay	8/19/2009	32059			Filed
Uruguay	11/30/2009	32274			Filed
Uruguay	5/23/2011	33.400			Filed
Uruguay	8/3/2011	33.545			Filed
Uruguay	3/9/2012	33.943			Filed
Uruguay	7/20/2012	34206			Filed
Uruguay	8/23/2012	34.286			Filed
Uruguay	11/1/2012	34428			Filed
Uruguay	2/3/2013	34.612			Filed
Uruguay	3/6/2013	34659			Filed
Uruguay	9/26/2013	35050			Filed
Uruguay	5/20/2014	35579			Filed
Uruguay	7/4/2014	4378			Filed
Uruguay	11/24/2014	35.851			Filed
Uruguay		35852			Filed
Venezuela	3/12/2013	2013-00301			Filed
Venezuela	4/4/2013	2013-00397			Filed
Venezuela		2013-00398			Filed
Venezuela		2013-00399			Filed
Venezuela	7/4/2014	2014-000831			Filed
Venezuela	9/9/2014	2014-1063			Filed
Venezuela	10/8/2014	2014-001182			Filed
Venezuela	11/17/2014	2014-001343			Filed
Venezuela		2014-001344			Filed
Venezuela	11/25/2014	2014-001377			Filed
Venezuela		2014-001379			Filed

Country	Application Date	Application No.	Grant Date	Patent No.	Status
Vietnam	11/9/2011	1-2013-01758			Filed
Vietnam	3/15/2013	1-2014-03436			Filed
Vietnam	4/3/2013	1-2014-03666			Filed
Vietnam		1-2014-03672			Filed
Vietnam		1-2014-03673			Filed
Vietnam	5/15/2013	1-2014-04207			Filed
EP	9/22/2008	08832040.3			Filed
EP	12/4/2008	08870798.9			Filed
EP	6/24/2009	09769768.4			Filed
EP	11/23/2009	09768236.3			Filed
EP	2/15/2011	11708328.7			Filed
EP	4/27/2011	11722560.7			Filed
EP	7/27/2011	11757416.0			Filed
EP	9/8/2011	11764863.4			Filed
EP	11/9/2011	11799833.6			Filed
EP	2/3/2012	12705437.7			Filed
EP		12705438.5			Filed
EP	2/23/2012	12709376.3			Filed
EP	3/8/2012	12710793.6			Filed
EP	7/5/2012	12748547.2			Filed
EP	8/10/2012	12768901.6			Filed
EP	10/5/2012	12794770.3			Filed
EP	10/8/2012	12794772.9			Filed
EP	10/25/2012	12806135.5			Filed
EP	12/20/2012	12808658.4			Filed
EP	1/29/2013	13703286.8			Filed
EP		13703287.6			Filed
EP	3/1/2013	13710219.0			Filed
EP	3/15/2013	13753367.5			Filed
EP	4/3/2013	13715881.2			Filed
EP		13717118.7			Filed
EP		13718432.1			Filed
EP	5/6/2013	13721889.7			Filed
EP	5/24/2013	13729146.4			Filed
EP	5/28/2013	13727014.6			Filed
EP	6/6/2013	13729226.4		2859018	Filed
EP	7/18/2013	13742573.2			Filed
EP		13742796.9			Filed
EP	8/28/2013	13756985.1			Filed

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Country	Application Date	Application No.	Grant Date	Patent No.	Status
EP	9/3/2013	13765836.5			Filed
EP	9/4/2013	13762669.3			Filed
EP		13762671.9			Filed
EP		13765846.4			Filed
EP		13765847.2			Filed
EP	9/25/2013	13771743.5			Filed
Eurasian	7/23/1998	199901056	12/24/2001	002103	Granted
Eurasian	5/24/2013	201201202			Filed
PCT	3/12/2010	PCT/US2010/027222			Filed
PCT	11/20/2013	PCT/US2013/070959			Filed
PCT	12/11/2013	PCT/US2013/074374			Filed
PCT	2/19/2014	PCT/US2014/017113			Filed
PCT	2/26/2014	PCT/US2014/018506			Filed
PCT	3/13/2014	PCT/US2014/025655			Filed
PCT	4/10/2014	PCT/US2014/033599			Filed
PCT	4/16/2014	PCT/US2014/034336			Filed
PCT	5/12/2014	PCT/US2014/037705			Filed
PCT	5/19/2014	PCT/US2014/038602			Filed
PCT	8/15/2014	PCT/US2014/051194			Filed
PCT	9/3/2014	PCT/US2014/053871			Filed
PCT	9/8/2014	PCT/US2014/054546			Filed
PCT	9/24/2014	PCT/US2014/057190			Filed
PCT	9/26/2014	PCT/US2014/057588			Filed
PCT	10/6/2014	PCT/US2014/059327			Filed
PCT	10/15/2014	PCT/US2014/060597			Filed
PCT	11/17/2014	PCT/US2014/065870			Filed
PCT	11/18/2014	PCT/US2014/066026			Filed
PCT	11/20/2014	PCT/US2014/066574			Filed
PCT		PCT/US2014/066581			Filed
PCT	11/21/2014	PCT/US2014/066767			Filed
PCT	12/15/2014	PCT/US2014/070273			Filed
PCT		PCT/US2014/070336			Filed
PCT	12/16/2014	PCT/US2014/070489			Filed
PCT	12/22/2014	PCT/US2014/071874			Filed
PCT	2/6/2015	PCT/US2015/014754			Filed
PCT	3/17/2015	PCT/US2015/020845			Filed

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PATENT
REEL: 044169 FRAME: 0134

Country	Application Date	Application No.	Grant Date	Patent No.	Status
PCT	4/8/2015	PCT/US2015/024922			Filed
Australia ¹	5/14/2012	2012256000			Filed
Brazil ²	5/14/2012	BR112013029309-8			Filed
Canada ³	5/14/2012	2836098			Filed
Chile ⁴	5/14/2012	3248-2013			Filed
China P.R. ⁵	5/14/2012	201280033736.8			Filed
Colombia ⁶	5/14/2012	13-267208			Filed
Hong Kong ⁷	9/18/2014	14109423.2			Filed
India ⁸	5/14/2012	PCT/US2012/037839			Filed
Japan ⁹	5/14/2012	2014-510547			Filed
Korea South ¹⁰	5/14/2012	10-2013-7033274			Filed
Mexico ¹¹	5/14/2012	MX/a/2013/013277			Filed
New Zealand ¹²	5/14/2012	617722			Filed
Philippines ¹³	5/14/2012	1-2013-502322			Filed
Russian Federation ¹⁴	5/14/2012	2013155470			Filed
South Africa ¹⁵	5/14/2012	2013/08701			Filed
Thailand ¹⁶	5/14/2012	1301006449			Filed
Ukraine ¹⁷	5/14/2012	201314534			Filed
United States ¹⁸	5/14/2012	14/117516			Filed
EP ¹⁹	5/14/2012	12785009.7			Filed

¹ This patent is co-owned with Henry M. Jackson Foundation for the Advancement of Military Medicine.

² This patent is co-owned with Henry M. Jackson Foundation for the Advancement of Military Medicine.

³ This patent is co-owned with Henry M. Jackson Foundation for the Advancement of Military Medicine.

⁴ This patent is co-owned with Henry M. Jackson Foundation for the Advancement of Military Medicine.

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⁶ This patent is co-owned with Henry M. Jackson Foundation for the Advancement of Military Medicine.

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Country	Application Date	Application No.	Grant Date	Patent No.	Status
United States ²⁰	11/7/2014	62/076687			Filed
Australia ²¹	1/5/2015	2015900007			Filed
PCT ²²	9/19/2014	PCT/US2014/056512			Filed
PCT ²³		PCT/US2014/056591			Filed
PCT ²⁴		PCT/US2014/056632			Filed
United States ²⁵	1/16/2015	62/104314			Filed
Australia ²⁶	4/18/2013	2013249229			Filed
Brazil ²⁷	4/18/2013	BR112014025740.0			Filed
Canada ²⁸	4/18/2013	2870179			Filed
China P.R. ²⁹	4/18/2013	201380030342.1			Filed
Japan ³⁰	4/18/2013	2015-507162			Filed
Mexico ³¹	1/14/2015	MX/A/2015/00642			Filed
New Zealand ³²	4/18/2013	700724			Filed
South Africa ³³	4/18/2013	2014/07267			Filed
United States ³⁴	4/17/2013 1:00	13/864658			Filed
Uruguay ³⁵	4/16/2013	34745			Filed
EP ³⁶	4/18/2013	13719257.1			Filed
Eurasian ³⁷	4/18/2013	201491668			Filed

²⁰ This patent is co-owned with Swansea University, UK.

²¹ This patent is co-owned with Adelaide Research and Innovation Pty Ltd.

²² This patent is co-owned with Moredun Research Insititute.

²³ This patent is co-owned with Moredun Research Insititute.

²⁴ This patent is co-owned with Moredun Research Insititute.

²⁵ This patent is co-owned with USDA-ARP Plum Island Animal Disease Center.

²⁶ This patent is co-owned with Virginia Commonwealth University.

²⁷ This patent is co-owned with Virginia Commonwealth University.

²⁸ This patent is co-owned with Virginia Commonwealth University.

²⁹ This patent is co-owned with Virginia Commonwealth University.

³⁰ This patent is co-owned with Virginia Commonwealth University.

³¹ This patent is co-owned with Virginia Commonwealth University.

³² This patent is co-owned with Virginia Commonwealth University.

³³ This patent is co-owned with Virginia Commonwealth University.

³⁴ This patent is co-owned with Virginia Commonwealth University.

³⁵ This patent is co-owned with Virginia Commonwealth University.

³⁶ This patent is co-owned with Virginia Commonwealth University.

³⁷ This patent is co-owned with Virginia Commonwealth University.

Other docketed cases:

Country	Zoetis Docket No.	Status
Australia	ZP000078A	Docketed
Hong Kong	071870A	Docketed
Hong Kong	071891A	Docketed
Hong Kong	071911A	Docketed
Hong Kong	071912A	Docketed
Hong Kong	071913A	Docketed
Hong Kong	071927A	Docketed
Hong Kong	071928A	Docketed
Hong Kong	071930A	Docketed
Hong Kong	071931A	Docketed
Hong Kong	071944A	Docketed
Hong Kong	071951A	Docketed
Hong Kong	071965A	Docketed
Hong Kong	071966A	Docketed
United States	ZP000001A	Docketed
United States	ZP000002A	Docketed
United States	ZP000003A	Docketed
United States	ZP000004	Docketed
United States	ZP000005A	Docketed
United States	ZP000007A	Docketed
United States	ZP000011A	Docketed
United States	ZP000015	Docketed
United States	ZP000024A	Docketed
United States	ZP000027A	Docketed
United States	ZP000028A	Docketed
United States	ZP000029A	Docketed
United States	ZP000035A	Docketed
United States	ZP000036	Docketed
United States	ZP000039A	Docketed
United States	ZP000040A	Docketed
United States	ZP000043A	Docketed
United States	ZP000045	Docketed
United States	ZP000048	Docketed
United States	ZP000051A	Docketed

Country	Zoetis Docket No.	Status
United States	ZP000054A	Docketed
United States	ZP000061	Docketed
United States	ZP000062A	Docketed
United States	ZP000063A	Docketed
United States	ZP000064A	Docketed
United States	ZP000065A	Docketed
United States	ZP000069A	Docketed
United States	ZP000071A	Docketed
United States	ZP000073A	Docketed
United States	ZP000075	Docketed
United States	ZP000080A	Docketed
United States	ZP000087	Docketed
United States	ZP000088	Docketed
United States	ZP000089	Docketed
United States	ZP000097	Docketed
Venezuala	ZP000003A	Docketed
Venezuala	ZP000041A	Docketed
United States ³⁸	ZP000072A	Docketed
United States ³⁹	ZP000079A	Docketed
United States ⁴⁰	ZP000070A	Docketed
United States ⁴¹	ZP000074A	Docketed
Hong Kong ⁴²	071903A	Docketed
United States ⁴³	ZP000077A	Docketed
Taiwan	033245A	Docketed
Taiwan	033245A	Docketed
Taiwan	033245A	Docketed
United States	071876	Docketed
United States	071977A	Docketed
United States	071990A	Docketed

³⁸ This patent is co-owned with Swansea University, UK.

³⁹ This patent is co-owned with Adelaide Research and Innovation Pty Ltd.

⁴⁰ This patent is co-owned with Moredun Research Insititute.

⁴¹ This patent is co-owned with Moredun Research Insititute.

⁴² This patent is co-owned with Virginia Commonwealth University.

⁴³ This patent is co-owned with USDA-ARP Plum Island Animal Disease Center.

Country	Zoetis Docket No.	Status
United States	071875	Docketed