

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT3631372

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MALLINCKRODT LLC	11/21/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	LIEBEL-FLARSHEIM COMPANY LLC
<b>Street Address:</b>	675 MCDONNELL BLVD.
<b>City:</b>	HAZELWOOD
<b>State/Country:</b>	MISSOURI
<b>Postal Code:</b>	63042
<b>PROPERTY NUMBERS Total: 3</b>	
<b>Property Type</b>	<b>Number</b>
<b>PCT Number:</b>	US2013039808
<b>PCT Number:</b>	US2013026627
<b>PCT Number:</b>	US2014046180
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(303)770-0152
<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>	
<b>Phone:</b>	303-770-0051
<b>Email:</b>	PTOMail@mfbllaw.com
<b>Correspondent Name:</b>	MARSH, FISCHMANN & BREYFOGLE LLP
<b>Address Line 1:</b>	8055 EAST TUFTS AVENUE
<b>Address Line 2:</b>	SUITE 450
<b>Address Line 4:</b>	DENVER, COLORADO 80237
<b>NAME OF SUBMITTER:</b>	JAMES L. JOHNSON
<b>SIGNATURE:</b>	/James L. Johnson Reg No. 34,193/
<b>DATE SIGNED:</b>	11/24/2015
<b>Total Attachments: 31</b>	
source=Deed of Assignment#page1.tif	
source=Deed of Assignment#page2.tif	
source=Deed of Assignment#page3.tif	
source=Deed of Assignment#page4.tif	

source=Deed of Assignment#page5.tif  
source=Deed of Assignment#page6.tif  
source=Deed of Assignment#page7.tif  
source=Deed of Assignment#page8.tif  
source=Deed of Assignment#page9.tif  
source=Deed of Assignment#page10.tif  
source=Deed of Assignment#page11.tif  
source=Deed of Assignment#page12.tif  
source=Deed of Assignment#page13.tif  
source=Deed of Assignment#page14.tif  
source=Deed of Assignment#page15.tif  
source=Deed of Assignment#page16.tif  
source=Deed of Assignment#page17.tif  
source=Deed of Assignment#page18.tif  
source=Deed of Assignment#page19.tif  
source=Deed of Assignment#page20.tif  
source=Deed of Assignment#page21.tif  
source=Deed of Assignment#page22.tif  
source=Deed of Assignment#page23.tif  
source=Deed of Assignment#page24.tif  
source=Deed of Assignment#page25.tif  
source=Deed of Assignment#page26.tif  
source=Deed of Assignment#page27.tif  
source=Deed of Assignment#page28.tif  
source=Deed of Assignment#page29.tif  
source=Deed of Assignment#page30.tif  
source=Deed of Assignment#page31.tif

**DEED OF ASSIGNMENT**

THIS ASSIGNMENT is made effective as of June 30, 2014.

BETWEEN Mallinckrodt LLC whose registered office address is 675 McDonnell Blvd., Hazelwood, MO 63042, USA (hereinafter referred to as "the Assignor") of the first part and

Liebel-Flarsheim Company LLC whose registered office address is 675 McDonnell Blvd., Hazelwood, MO 63042, USA (hereinafter referred to as "the Assignee") of the second part.

WHEREAS the Assignor is the Proprietor of Patent Number/s as are set out in the schedule attached hereto including short particulars whereof (hereinafter referred to as "the said Patent/s").

AND WHEREAS the Assignor is desirous of assigning unto the Assignee the said Patent/s including the goodwill associated with the Patent/s in respect of which the said Patent/s is/are to be registered.

NOW THIS DEED WITNESSETH as follows:

IN CONSIDERATION of the premises and the sum of One U.S. Dollar (US\$1.00), and other good and valuable consideration, the Assignor hereby assigns unto the Assignee all the property rights, title and interest in the said Patent/s together with the goodwill associated with the Patent/s in respect of which the said Patent/s is/are to be registered TO HOLD unto the Assignee absolutely.

**SCHEDULE HEREIN BEFORE REFERRED TO:**

[Please see the attached schedule]

IN WITNESS whereof the Assignor and the Assignee have hereunto caused their Common Seals to be affixed the day and year as below.

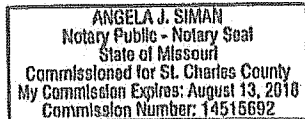
THE COMMON SEAL OF Mallinckrodt LLC

*Joseph A. Wuestner*  
Name: Joseph A. Wuestner  
Title: Vice President  
Date: November 21, 2014

STATE OF MISSOURI     )  
                                  )  
COUNTY OF ST. LOUIS    )

On this 21<sup>st</sup> day of November, 2014, before me, Angela J. Siman, the undersigned notary public, personally appeared Joseph A. Wuestner, known to me to be the person who signed the foregoing instrument as Vice President of Mallinckrodt LLC and he acknowledged that he executed the same for the purposes therein contained.

SEAL:



*Angela J. Siman*  
Notary Public

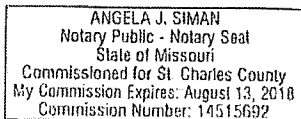
THE COMMON SEAL OF Liebel-Flarsheim Company LLC

*Robert T. Budenholzer*  
Name: Robert T. Budenholzer  
Title: Vice President  
Date: November 21, 2014

STATE OF MISSOURI     )  
                                  )  
COUNTY OF ST. LOUIS    )

On this 21<sup>st</sup> day of November, 2014, before me, Angela J. Siman, the undersigned notary public, personally appeared Robert T. Budenholzer, known to me to be the person who signed the foregoing instrument as Vice President of Liebel-Flarsheim Company LLC and he acknowledged that he executed the same for the purposes therein contained.

SEAL:



*Angela J. Siman*  
Notary Public

Schedule

Country	Application Number	IP Grant Number	Publication number
Australia	2006231575	2006231575	
Australia	2007216593	2007216593	
Australia	2007216610	2007216610	
Australia	2007216603	2007216603	
Australia	2007216602	2007216602	
Australia	2007216605	2007216605	
Australia	2007216608	2007216608	
Australia	2007297342	2007297342	
Australia	2006306095	2006306095	
Australia	2007200430		
Brazil	P10607525-8		2016
Brazil	PI0622091-6		2114
Brazil	PI0622092-4		2114
Brazil	PI0622085-1		2114
Brazil	PI0662096-7		2114
Brazil	PI0622095-9		2114
Brazil	PI0622097-5		2114
Brazil	112014001088-9		
Brazil	BR112013023845-3		
Brazil	BR112014000390-4		
Brazil	112013011969		

Country	Application Number	IP Grant Number	Publication number
Brazil	112013028677-6		
Canada	2552067	2552067	2552067
Canada	2621895	2621895	2621895
Canada	2622346	2622346	2622346
Canada	2622347	2622347	2622347
Canada	2622407	2622407	2622407
Canada	2622298	2622298	2622298
Canada	2622446	2622446	2622446
Canada	2622454	2622454	2622454
Canada	2555900	2555900	2555900
Canada	2600678		2600678
Canada	2755958		2755958
Canada	2583696	2583696	2583696
Canada	2583726		2583726
Canada	2625827	262827	2625827
Canada	2660357		2660357
Canada	2627379		2627379
Canada	2575427		2575427
Canada	2713221		2713221
Canada	2735126		2735126
Canada	2734580		2734580
Canada	2757958		2757958

Country	Application Number	IP Grant Number	Publication number
Canada	2761052		2761052
Canada	2731987		2731987
Canada	2710658		2710658
Canada	2725252		2725252
Canada	2757956		2757956
Canada	2760057		2760057
Canada	2789683		2789683
Canada	2818224		
Canada	2834874		
Canada	606161	1339821	
Canada	2718416		2718416
Canada	2718417		2718417
Canada	2718418		2718418
Canada	2456327	2456327	2456327
China	200880103653.5	200880103653.5	CN101784295
China	201210421366.7		102961794
China	201210421212.8		102949761A
China	201210556977.2		CN103007381A
China	200480039611.1	ZL200480039611.1	CN1901952
China	200910005062	200910005062	101485910
China	200710199149.7	200710199149.7	101185578A
China	201110346839.7		102521479

Country	Application Number	IP Grant Number	Publication number
China	200710199159	200710199159	CN101185781A
China	200710199158.6	200710199158.6	CN101185609A
China	200710199155.2	ZL200710199155.2	CN101185592A
China	200580005275.3	200580005275.3	CN1921902A
China	200680012496.8	200680012496	CN101160147A
China	200910126916	200910126916	CN101518662A
China	200580035049.X	200580035049	CN101039710A
China	201210056587.9		102580181
China	200580035059.3	200580035059.3	CN101039711A
China	200910152320.8	200910152320	CN101612046A
China	200910152322.7		CN101612427A
China	200880001118.9	200880001118.9	101557844
China	200780039716	200780039716	CN101528285A
China	201210349967.1		102836478
China	200880116756.5		1868266
China	201210442417.4		CN102989055A
China	201210442981.6		102989056
China	200780037932.1		CN101522238A
China	200780001574.9	200780001574	CN101360525A
China	200880000844.9	200880000844.9	CN101547714A
China	200680039936.9	200680039936.9	CN101309712A
China	200880103301.X		1861177



Country	Application Number	IP Grant Number	Publication number
China	200710199772.2	200710199772.2	101264353
China	201210165887		102657907
China	201080006538.3		102307608
China	200880119515.6	200880119515	1888865
China	200980107996.3		1960458
China	200880116745.7	101868265	1868265
China	200880116935.9		1868268
China	200880116934.4	200880116934.4	1868267
China	200880116744.2	200880116744.2	1868264
China	200980133267.5		102132282A
China	200980132097.9		102123752
China	201080015621.7		102387828
China	201080014971.1		102387826A
China	201080002889.7	201080002889.7	102176937
China	200980106198.9		1952829
China	200980122781.9		102067139
China	201080014709.7		102365106
China	201280045366.X		103813819A
China	200980106199.3		1951976
China	201280024053.6		
China	200980129639.7		CN102112164
China	201080043438.8		102612380

Country	Application Number	IP Grant Number	Publication number
China	201280045092.4		CN103827873A
China	201180056940.7		103228302
China	201180019068.9		102844063
China	201180065875.4		103347552A
China	201280034103.9		103703468A
Czech Republic	9702096	2240432	2240432
Europe	6009588.2		1685864
Europe	7003864.1		1810707
Europe	8797762.5		2192936
Europe	10004633.3		2228084
Europe	10004634.1		2228085
Europe	10004636.6		2246081
Europe	4813537		1699507
Europe	9075325.2		2113269
Europe	5713492.6		1715907
Europe	6737111.2		1871444
Europe	13165109.3		2628495
Europe	13165110.1		2628496
Europe	5803796.1		1827534
Europe	10005397.4		2319559
Europe	10005398.2		2298385
Europe	10005399		2298386

Country	Application Number	IP Grant Number	Publication number
Europe	10005400.6		2305333
Europe	10005401.4		2301604
Europe	10005402.2		2286853
Europe	10005403		2286854
Europe	5803902.5		1838365
Europe	10015067.1		2301605
Europe	10015069.7		2301607
Europe	10015071.3		2301609
Europe	10015070.5		2301608
Europe	11180454.8		2397171
Europe	7839781.7		2077875
Europe	9006075.7		2087917
Europe	8833938.7		2211941
Europe	6826750.9		1940490
Europe	10704643.5		2401008
Europe	8857891.9		2227276
Europe	9718975.7		2286358
Europe	10013743.9		2315148
Europe	10013741.3		2312479
Europe	10013740.5		2306354
Europe	10013742.1		2315147
Europe	9791765.2		2347359

Country	Application Number	IP Grant Number	Publication number
Europe	10713538.6		2427234
Europe	10712670.8		2416823
Europe	12165303.4		2481430
Europe	10704644.3		2362791
Europe	9791600.1		2286363
Europe	10015066.3		2328104
Europe	10015065.5		2341456
Europe	9791860.1		2318966
Europe	10714723.3		2416821
Europe	12737932.9		2734253
Europe	9791258.8		2211940
Europe	12712474.1		2686040
Europe	10763931.2		2411071
Europe	12737965.9		2732393
Europe	11764454.2		2621553
Europe	11791165.1		2643035
Europe	12722601.7		2707824
Europe	13710131.7		
Europe	9718833.8		2257220
Europe	12187841.7		2545856
Europe	9719212.4		2257221A
Europe	8798327.6		2185272

Country	Application Number	IP Grant Number	Publication number
France	10004635.8	2263720	2263720
France	6740533.2	1880330	1880330
France	8001503.5	1914651	1914651
France	10007735.3	2249273	2249273
France	7021642.9	1912141	1912141
France	7021644.5	1912143	1912143
France	7021638.7	1912137	1912137
France	10005404.8	2286855	2286855
France	10015068.9	2301606	2301606
France	10015072.1	2314335	2314335
France	8747000.1	2152337	2152337
France	8852801.3	2222358	2222358
France	10015320.4	2283884	2283884A
France	10015319.6	2283883	2283883
France	7838824.6	2073868	2073868
France	10015318.8	2289581	2289581
France	7853126.6	2114493	2114493
France	10013290.1	2275155	2275155
France	8797256.8	2051755	2051755
France	8782618.6	2187996	2187996
France	10013917.9	2286858	2286858
France	11000728.3	2316509	2316509

Country	Application Number	IP Grant Number	Publication number
France	7250314.7	1930036	1930036
France	8019894.8	2025356	2025356
France	8852829.4	2229199	2229199
France	8852774.2	2222357	2222357
France	11000528.7	2316506	2316506
France	8852408.7	2227275	2227275
France	8851580.4	2229198	2229198
France	11000530.3	2316508	2316508
France	11000529.5	2316507	2316507
France	9791555.7	2337595	2337595
France	10004637.4	2251053	2251053
France	10015560.5	2327432	2327432
France	9790877.6	2337594	2337594
France	11165801.9	2359883	2359883
France	11165800.1	2359882	2359882
France	11705384.3		2536449
France	89908787.8	425571	WO90/01024
France	89908787.8	07C0052	
France	9719409.6	2268203	2268203
France	2761334.8	1465666	1465666
France	96908772.5	815010	
France	5731581.4	1725268	1725268

Country	Application Number	IP Grant Number	Publication number
France	10174231	2253332	2253332
France	9702096	2240432	2240432
France	96922444.3	839056	1998/19
France	97903077.2	886634	2002/17
Germany	10004635.8	2263720	2263720
Germany	6740533.2	1880330	1880330
Germany	8001503.5	1914651	1914651
Germany	10007735.3	2249273	2249273
Germany	7021642.9	602006017557,4-08	1912141
Germany	7021644.5	602006016958.2-08	1912143
Germany	7021638.7	602006014838	1912137
Germany	10005404.8	602005042173.4	2286855
Germany	10015068.9	2005039929	2301606
Germany	10015072.1	2314335	2314335
Germany	8747000.1	602008023899.7	2152337
Germany	8852801.3	2222358	2222358
Germany	10015320.4	602008017328.3	2283884A
Germany	10015319.6	602008017327.5	2283883
Germany	7838824.6	602007018508.4	2073868
Germany	10015318.8	602007033751.8	2289581
Germany	7853126.6	602007017683.2	2114493
Germany	10013290.1	602007029918.7	2275155

Country	Application Number	IP Grant Number	Publication number
Germany	8797256.8	602008001702.8-08	2051755
Germany	8782618.6	602008010450.8	2187996
Germany	10013917.9	602008010519.9	2286858
Germany	11000728.3	602008019894.4	2316509
Germany	7250314.7	602007005755.8	1930036
Germany	8019894.8	602007014358.6	2025356
Germany	8852829.4	602008025205.1	2229199
Germany	8852774.2	602008015065.8	2222357
Germany	11000528.7	602008025095.4	2316506
Germany	8852408.7	2227275	2227275
Germany	8851580.4	602008019862.6	2229198
Germany	11000530.3	602008021645.4	2316508
Germany	11000529.5	2008024186	2316507
Germany	9791555.7	2337595	2337595
Germany	10004637.4	602009019722.3	2251053
Germany	10015560.5	602009010558.2	2327432
Germany	9790877.6	602009005289.6	2337594
Germany	11165801.9	2359883	2359883
Germany	11165800.1	602009011290.2	2359882
Germany	11705384.3		2536449
Germany	89908787.8	425571	WO90/01024
Germany	122007000068.5	122007000068.5	



Country	Application Number	IP Grant Number	Publication number
Germany	9719409.6	602009012814	2268203
Germany	2761334.8	60239961.0-08	1465666
Germany	96908772.5	69613109.9	
Germany	5731581.4	602005030713.3	1725268
Germany	10174231	2253332	2253332
Germany	9702096	2240432	2240432
Germany	96922444.3	69628015.9	1998/19
Germany	97903077.2	69712193.3	2002/17
Great Britain	10004635.8	2263720	2263720
Great Britain	6740533.2	1880330	1880330
Great Britain	8001503.5	1914651	1914651
Great Britain	10007735.3	2249273	2249273
Great Britain	7021642.9	1912141	1912141
Great Britain	7021644.5	1912143	1912143
Great Britain	7021638.7	1912137	1912137
Great Britain	10005404.8	2286855	2286855
Great Britain	10015068.9	2301606	2301606
Great Britain	10015072.1	2314335	2314335
Great Britain	8747000.1	2152337	2152337
Great Britain	8852801.3	2222358	2222358
Great Britain	10015320.4	2283884	2283884A
Great Britain	10015319.6	2283883	2283883

Country	Application Number	IP Grant Number	Publication number
Great Britain	7838824.6	2073868	2073868
Great Britain	10015318.8	2289581	2289581
Great Britain	7853126.6	2114493	2114493
Great Britain	10013290.1	2275155	2275155
Great Britain	8797256.8	2051755	2051755
Great Britain	8782618.6	2187996	2187996
Great Britain	10013917.9	2286858	2286858
Great Britain	11000728.3	2316509	2316509
Great Britain	7250314.7	1930036	1930036
Great Britain	8019894.8	2025356	2025356
Great Britain	8852829.4	2229199	2229199
Great Britain	8852774.2	2222357	2222357
Great Britain	11000528.7	2316506	2316506
Great Britain	8852408.7	2227275	2227275
Great Britain	8851580.4	2229198	2229198
Great Britain	11000530.3	2316508	2316508
Great Britain	11000529.5	2316507	2316507
Great Britain	9791555.7	2337595	2337595
Great Britain	10004637.4	2251053	2251053
Great Britain	10015560.5	2327432	2327432
Great Britain	9790877.6	2337594	2337594
Great Britain	11165801.9	2359883	2359883

Country	Application Number	IP Grant Number	Publication number
Great Britain	11165800.1	2359882	2359882
Great Britain	11705384.3		2536449
Great Britain	89908787.8	425571	WO90/01024
Great Britain	SPC/GB07/052	425571	
Great Britain	9719409.6	2268203	2268203
Great Britain	2761334.8	1465666	1465666
Great Britain	5731581.4	1725268	1725268
Great Britain	10174231	2253332	2253332
Great Britain	9702096	2240432	2240432
Great Britain	96922444.3	839056	1998/19
Great Britain	97903077.2	886634	2002/17
International (PCT)	US2013/039808		2013/169687
International (PCT)	US2013/026627		2013/126318
International (PCT)	US2014/046180		
International (PCT)	US2013/062849		2014/055504
Ireland	5731581.4	1725268	1725268
Ireland	96922444.3	839056	1998/19
Italy	10004635.8	2263720	2263720
Italy	6740533.2	1880330	1880330
Italy	8001503.5	1914651	1914651
Italy	10007735.3	2249273	2249273
Italy	7021642.9	1912141	1912141

Country	Application Number	IP Grant Number	Publication number
Italy	7021644.5	1912143	1912143
Italy	7021638.7	1912137	1912137
Italy	10005404.8	2286855	2286855
Italy	10015068.9	2301606	2301606
Italy	10015072.1	2314335	2314335
Italy	8747000.1	2152337	2152337
Italy	8852801.3	2222358	2222358
Italy	10015320.4	2283884	2283884A
Italy	10015319.6	2283883	2283883
Italy	7838824.6	2073868	2073868
Italy	10015318.8	2289581	2289581
Italy	7853126.6	2114493	2114493
Italy	10013290.1	2275155	2275155
Italy	8797256.8	2051755	2051755
Italy	8782618.6	2187996	2187996
Italy	10013917.9	2286858	2286858
Italy	11000728.3	2316509	2316509
Italy	7250314.7	1930036	1930036
Italy	8019894.8	2025356	2025356
Italy	8852829.4	2229199	2229199
Italy	8852774.2	2222357	2222357
Italy	11000528.7	2316506	2316506

Country	Application Number	IP Grant Number	Publication number
Italy	8852408.7	2227275	2227275
Italy	8851580.4	2229198	2229198
Italy	11000530.3	2316508	2316508
Italy	11000529.5	2316507	2316507
Italy	9791555.7	2337595	2337595
Italy	10004637.4	2251053	2251053
Italy	10015560.5	2327432	2327432
Italy	9790877.6	2337594	2337594
Italy	11165801.9	2359883	2359883
Italy	11165800.1	2359882	2359882
Italy	11705384.3		2536449
Italy	89908787.8	425571	WO90/01024
Italy	UB2007CCP1009	C-UB2007CCP1009	
Italy	9719409.6	2268203	2268203
Italy	2761334.8	1465666	1465666
Italy	96908772.5	815010	
Italy	5731581.4	1725268	1725268
Italy	9702096	2240432	2240432
Italy	96922444.3	839056	1998/19
Italy	97903077.2	886634	2002/17
Japan	2010-521929		2010-536484
Japan	2013-071971		2013-128795

Country	Application Number	IP Grant Number	Publication number
Japan	2014-133565		
Japan	2006-547073	4976137	2007-516779A
Japan	2010-274142	5253486	2011-45784
Japan	2012-229976		2010-274142
Japan	2013-265820		2014-79642
Japan	2008-505484	5207542	2008-535569
Japan	2008-041507	5219031	
Japan	2008-041519	5207521	2008-253739
Japan	2012-160919		2012-228541
Japan	2008-041509	5036589	2008-253738
Japan	2008-041510	4801106	2008-200501
Japan	2008-41512	4977057	2008-200503
Japan	2008-041513	5224505	2008-246194
Japan	2006-554154	4681566	2007-522877A
Japan	2011-169380		2011-212489
Japan	2012-23631	5280556	2012-86077
Japan	2012-23632		2012-86078
Japan	2014-79935		2014-131769
Japan	2008-257869	5047111	2009-563
Japan	2008-257870	5142927	2009-61280
Japan	2008-257871	4979667	2009-39550
Japan	2008-257872	4889704	2009-39551

Country	Application Number	IP Grant Number	Publication number
Japan	2008-257873	5089551	2009-564
Japan	2012-57881		2012-110749
Japan	2012-237959		2013-46796
Japan	2014-118343		
Japan	2007-536819	5284644	
Japan	2008-261112	5348990	2009-61284
Japan	2008-261113	4944860	2009-11856
Japan	2011-148705	5395123	2011-218194
Japan	2010-506551		2010-525882
Japan	2014-24396		2014-111184
Japan	2009-534637		2010-507450
Japan	2013-181099		2013-236970
Japan	2010-526058	5442616	2010-540043
Japan	2010-534059		2011-502700
Japan	2011-231165	5425159	2012-16618
Japan	2011-231166		2012-16619
Japan	2013-109734		2013-163069
Japan	2009-532350	5062862	2010-505589
Japan	2012-152683		2012-196530
Japan	2008-546008	4965582	2009-511237
Japan	2012-38646	5509231	2012-106029
Japan	2012-38647	5509232	2012-106030

Country	Application Number	IP Grant Number	Publication number
Japan	2010-521915	5395077	2010-536483
Japan	2012-185496		2012-228574
Japan	2010-521082	5455172	2010-536425
Japan	2013-117523		2013-166048
Japan	2007-33806	5064829	2008-142512
Japan	2011-549243		2012-516756
Japan	2014-32696		2014-97425
Japan	2010-537011		2011-505911
Japan	2014-142902		
Japan	2013-186453		2013-240720
Japan	2014-145712		
Japan	2010-534063		2010-534063
Japan	2014-171143		
Japan	2010-535039	5498391	2011-502735
Japan	2013-181800		2013-236971
Japan	2010-535037		2011-502734
Japan	2013-102911		2013-150908
Japan	2010-534060		2011-502701
Japan	2014-178762		
Japan	2011-525106		2012-501221
Japan	2011-523899	5539357	2012-500094
Japan	2014-47560		2014-100609



Country	Application Number	IP Grant Number	Publication number
Japan	2012-504739	5535308	2012-523277
Japan	2012-504736	5475107	2012-523274
Japan	2011-548427		2012-516721
Japan	2014-86202		2014-138902
Japan	2011-523917		2012-500664
Japan	2013-262023		2014-76392
Japan	2011-525130		2012-501222
Japan	2014-040114		2014-097432
Japan	2012-504738		2012-523276
Japan	2014-521634		
Japan	2010-545290	5318892	2011-510762
Japan	2013-558136		2014-509529
Japan	2011-521238	5564501	2011-529728
Japan	2013-260841		2014-76391
Japan	2012-531108		2013-505794
Japan	2014-520212		
Japan	2013-530410		2013-538630
Japan	2013-540986		2014-500775
Japan	2014-510429		
Japan	2013-152315		2013-227223
Japan	2014-203577		
Japan	2014-203576		

Country	Application Number	IP Grant Number	Publication number
Mexico	MX/a/2007/009907	283687	
Mexico	MX/a/2007/010653	282276	
Mexico	MX/a/2007/010632	286141	
Mexico	MX/a/2007/010651	283689	
Mexico	MX/a/2007/010649	282277	
Mexico	MX/a/2007/010647	277571	
Mexico	MX/a/2007/010640	283688	
Mexico	MX/a/2013/014232		
Mexico	MX/a/2013/014754		
Netherlands	8019894.8	2025356	2025356
Netherlands	96922444.3	839056	1998/19
Norway	19975743	323216	
Portugal	96922444.3	839056	1998/19
Russia	2014103956		
Russia	2013140949		
Russia	2014103957		
Russia			
Russia	2013154021		
Spain	10004635.8	2263720	2263720
Spain	6740533.2	1880330	1880330
Spain	8001503.5	1914651	1914651
Spain	10007735.3	2249273	2249273

Country	Application Number	IP Grant Number	Publication number
Spain	7021642.9	1912141	1912141
Spain	7021644.5	1912143	1912143
Spain	7021638.7	1912137	1912137
Spain	10005404.8	2286855	2286855
Spain	10015068.9	2301606	2301606
Spain	10015072.1	2314335	2314335
Spain	8747000.1	2152337	2152337
Spain	8852801.3	2222358	2222358
Spain	10015320.4	2283884	2283884A
Spain	10015319.6	2283883	2283883
Spain	7838824.6	2073868	2073868
Spain	10015318.8	2289581	2289581
Spain	7853126.6	2114493	2114493
Spain	10013290.1	2275155	2275155
Spain	8797256.8	2051755	2051755
Spain	8782618.6	2187996	2187996
Spain	10013917.9	2286858	2286858
Spain	11000728.3	2316509	2316509
Spain	7250314.7	1930036	1930036
Spain	8019894.8	2025356	2025356
Spain	8852829.4	2229199	2229199
Spain	8852774.2	2222357	2222357

Country	Application Number	IP Grant Number	Publication number
Spain	11000528.7	2316506	2316506
Spain	8852408.7	2227275	2227275
Spain	8851580.4	2229198	2229198
Spain	11000530.3	2316508	2316508
Spain	11000529.5	2316507	2316507
Spain	9791555.7	2337595	2337595
Spain	10004637.4	2251053	2251053
Spain	10015560.5	2327432	2327432
Spain	9790877.6	2337594	2337594
Spain	11165801.9	2359883	2359883
Spain	11165800.1	2359882	2359882
Spain	11705384.3		2536449
Spain	9719409.6	2268203	2268203
Spain	2761334.8	1465666	1465666
Spain	5731581.4	1725268	1725268
Spain	9702096	2240432	2240432
Spain	96922444.3	839056	1998/19
Spain	97903077.2	886634	2002/17
Switzerland	9702096	2240432	2240432
Switzerland	96922444.3	839056	1998/19
USA	09/353521	6355024	
USA	09/353217	6468261	

Country	Application Number	IP Grant Number	Publication number
USA	09/788791	6623455	20010009994A1
USA	09/676143	6511459	
USA	12/665741	8630694	2010-0324411
USA	13/722500		
USA	12/830542	8343101	US-2010-0274126
USA	12/830546	8343102	US-2010-0274127
USA	12/830559	8308698	US-2010-0274128
USA	10/750427	7621892	US2005/0148868
USA	12/617558	8141598	2010-0051135
USA	11/571464	8035517	US-2007-0299421-A1
USA	12/049482	7963936	US-2008-0208042-A1
USA	11/617987	7859473	US-2007-0229266-A1
USA	11/618023		US-2007-0197974-A1
USA	11/618145	7588189	US-2007-0239112-A1
USA	11/618298	8317099	US-2007-0198297-A1
USA	12/016583	8446280	US-2008-0147015
USA	10/780269		US-2005-0182322-A1
USA	14/149616		
USA	11/073892	7771389	US-2005-0182323-A1
USA	12/762588	8523813	20110060218A1
USA	10/964003	7507221	US-2006-0079765-A1
USA	12/396596	8366671	20090163803A1

Country	Application Number	IP Grant Number	Publication number
USA	12/013656	8366670	US-2008-0108941-A1
USA	12/013628	7727196	US-2008-0114302-A1
USA	11/073883	8663164	US-2006-0079766-A1
USA	11/073902	8277416	US-2006-0079767
USA	12/013647	8180434	US-2008-0108896-A1
USA	12/013644	8282595	US-2008-0108943-A1
USA	13/549066	8726910	2012-0283561
USA	14/186914		
USA	11/551792	7725168	US-2007-0106153
USA	12/759805	8251071	20110060217A1
USA	11/073910		2006-0079768
USA	12/796203	8663166	20110060219A1
USA	12/445501	8439863	2011-0166441
USA	12/615534		2010-0056909
USA	12/439212	8133198	2010-0004534
USA	13/364108	8486008	2012-0130237
USA	12/679362		US-2010-0198141-A1
USA	12/742928	8747356	US-2010-0249586
USA			20130030291
USA	12/444162	8657787	US-2010-0030153
USA	12/179129		US2009/0069747
USA	12/296142		US-2009-0112087-A1

Country	Application Number	IP Grant Number	Publication number
USA	12/439184	8141417	2009-0322545
USA	11/551804		US-2007-0100282
USA	12/665739	8308689	2011-0009826
USA	13/646848		2013-0030291
USA	12/374059	8038182	2009-0171322
USA	11/567011	8454560	US-2008-0132839-A1
USA	13/890815		
USA	13/146299		2011-0282197
USA	12/746192		20100280369A1
USA	12/676968		2011-0016392
USA	12/742938	8348896	US2010-0249704
USA	12/742934	8377003	US-2010-0268075
USA	13/670506		2013-0066203
USA	12/742943	8500677	US-2010-0274182
USA	13/869822		
USA	12/742930		US-2010-0293496
USA	13/055764	8409134	2011-0137251
USA	13/056177	8562563	US-2011-0130720
USA	13/260578	8750967	20120029349
USA	14/173190		
USA	13/260575		2012-0035472
USA	13/133290	8417320	2011-0282196

Country	Application Number	IP Grant Number	Publication number
USA	13/794141		
USA	12/810149		2011-0137160
USA	12/996989		2011-0137161
USA	13/144304	8628514	2012-0053457
USA	14/092483		2014-0088559
USA	13/263087		20120029428
USA	14/232305		2014-0142537
USA	12/752296		US-2010-0262002
USA	12/811104		2011-0160580
USA	14/003893		2013-0345548
USA	12/996466	8431074	2011-0125013
USA	13/201632		2012-0046546
USA	14/131764		2014-0156310
USA	13/876040		20130190618
USA	13/520202		2013-0023755
USA	13/988800		2013-0245439
USA	14/115363		2014-0073919
USA	14/376533		
USA	61/858189		
USA	10/186764	6946060	04-0000470
USA	90/007967	6946060	
USA	12/921785		US-2011-0044519



Country	Application Number	IP Grant Number	Publication number
USA	12/921839		US-2011-0011708
USA	12/921787		US-2011-0013005
USA	08/863647	6245318	
USA	10/798486	7374745	2004-0170565
USA	09/932291	7087212	2003-0039683
USA	11/462591	7713514	US-2006-0269511
USA	12/603402	8257683	20100041826A1
USA	12/603438	8246930	20100041827A1
USA	12/834463	8303932	20100280177A1
USA	12/834521	8303933	20100280232A1
USA	405484	5519984	
USA	10/588674	8679460	2008-0317675-A1
USA	12/811833	8445725	US-2010-0280270
USA	13/772572	8680334	2013-0261338
USA	12/675130	8420857	2011-0065959
USA	14/149027		20140200367
USA	482380	5648536	
USA	08/593775	6596904	