

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT7414317

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
PANASONIC LIQUID CRYSTAL DISPLAY CO., LTD.	07/31/2018
JAPAN DISPLAY INC.	08/02/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SAMSUNG DISPLAY CO., LTD.
<b>Street Address:</b>	1, SAMSUNG-RO, GIHEUNG-GU
<b>City:</b>	YONGIN-SI, GYEONGGI-DO
<b>State/Country:</b>	KOREA, REPUBLIC OF
<b>Postal Code:</b>	17113
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	17013477
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(626)577-8800
<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>	(626) 795-9900
<b>Email:</b>	pto@lewisroca.com
<b>Correspondent Name:</b>	LEWIS ROCA ROTHGERBER CHRISTIE LLP
<b>Address Line 1:</b>	POST OFFICE BOX 29001
<b>Address Line 4:</b>	GLENDAL, CALIFORNIA 91209-9001
<b>ATTORNEY DOCKET NUMBER:</b>	195405/JEJ/FMO
<b>NAME OF SUBMITTER:</b>	FRANCES M. O'BRIEN
<b>SIGNATURE:</b>	/Frances M. O'Brien/
<b>DATE SIGNED:</b>	07/02/2022
<b>Total Attachments: 22</b>	
source=195405_assignment-pat-46988-801#page1.tif	
source=195405_assignment-pat-46988-801#page2.tif	
source=195405_assignment-pat-46988-801#page3.tif	
source=195405_assignment-pat-46988-801#page4.tif	
source=195405_assignment-pat-46988-801#page5.tif	

source=195405\_assignment-pat-46988-801#page6.tif  
source=195405\_assignment-pat-46988-801#page7.tif  
source=195405\_assignment-pat-46988-801#page8.tif  
source=195405\_assignment-pat-46988-801#page9.tif  
source=195405\_assignment-pat-46988-801#page10.tif  
source=195405\_assignment-pat-46988-801#page11.tif  
source=195405\_assignment-pat-46988-801#page12.tif  
source=195405\_assignment-pat-46988-801#page13.tif  
source=195405\_assignment-pat-46988-801#page14.tif  
source=195405\_assignment-pat-46988-801#page15.tif  
source=195405\_assignment-pat-46988-801#page16.tif  
source=195405\_assignment-pat-46988-801#page17.tif  
source=195405\_assignment-pat-46988-801#page18.tif  
source=195405\_assignment-pat-46988-801#page19.tif  
source=195405\_assignment-pat-46988-801#page20.tif  
source=195405\_assignment-pat-46988-801#page21.tif  
source=195405\_assignment-pat-46988-801#page22.tif

**ASSIGNMENT OF PATENTS**

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged,

Panasonic Liquid Crystal Display Co., Ltd., a corporation organized and existing under the laws of Japan and having a place of business at 1-6, Megahida-cho, Shikama-ku, Himeji-shi, Hyogo, 672-8033, Japan ("PLD"), and

Japan Display Inc., a corporation organized and existing under the laws of Japan and having a place of business at Landic 2<sup>nd</sup> Building, 3-7-1 Nishi-Shimbashi, Minato-ku, Tokyo 105-0003, Japan ("JDI"); (each of PLD and JDI is a "Seller" and together are "Sellers")

hereby sells, assigns, transfers, and conveys to

Samsung Display Co., Ltd., a corporation organized and existing under the laws of the Republic of Korea and having a place of business at 1 Samsung-ro, Giheung-gu, Yongin-si, Gyeonggi-do, 17113 Korea, ("Buyer"),

pursuant to the Patent Purchase Agreement of 2018, by and between Sellers and Buyer, all of Sellers' right, title, and interest in and to the patents and patent applications set forth on ATTACHMENT A, attached hereto and incorporated by this reference herein, together with all claims and causes of action with respect to any of the foregoing, including without limitation all rights to and claims for damages, restitution, and injunctive and other legal and equitable relief for past, present, and future infringement, misappropriation, violation, breach, or default, and all other rights, privileges, and protections of any kind whatsoever of Seller accruing under any of the foregoing provided by any applicable law, treaty, or other international convention. In the event of any conflict or inconsistency between the terms of this Assignment of Patents and the Patent Purchase Agreement, the terms of the Patent Purchase Agreement will control.

Seller hereby authorizes the Commissioner for Patents in the United States Patent and Trademark Office and the officials of corresponding entities or agencies in any applicable jurisdictions to record and register this Assignment of Patents upon request by Buyer.

# # #

IN WITNESS WHEREOF, the Parties have caused this Agreement to be executed by their respective duly authorized officers.

**Panasonic Liquid Crystal Display Co., Ltd.**

By: [Signature]  
Name: Hideyuki Honoki  
Title: President, Member of the board  
Date: July 31, 2018

**Samsung Display Co., Ltd.**

By: [Signature]  
Name: Ki Kim  
Title: Vice President / IP Team Head  
Date: Aug 29, 2018

**Japan Display Inc.**

By: [Signature]  
Name: Hiroyuki Yoshida  
Title: VP / General Manager of IP Dept.  
Date: August 2, 2018

**ATTACHMENT A**  
**ASSIGNED PATENTS**

Patent Number or Application Number	Country (Jurisdiction)	Filing Date
6882105	US	2003/9/2
7067973	US	2005/3/25
7211949	US	2006/5/23
7629743	US	2007/3/29
200410047602.9	China	2004/5/26
4163567	Japan	2003/7/9
1060074	Korea	2004/7/8
245581	Taiwan	2004/4/2
7511420	US	2004/7/7
7977875	US	2008/11/25
8183770	US	2011/7/6
8274218	US	2012/5/16
200410063896.4	China	2004/7/14
4184189	Japan	2003/8/13
7732809	US	2004/8/10
8368080	US	2009/12/2
200410064432.5	China	2004/8/26
4155569	Japan	2003/8/27
996077	Korea	2004/8/26
268741	Taiwan	2004/7/20
7321197	US	2004/8/23
200510004518.3	China	2005/1/14
4628690	Japan	2004/3/24
1121640	Korea	2005/2/14
283145	Taiwan	2004/12/2
7943963	US	2005/2/10
200410081802.6	China	2004/12/30
5005164	Japan	2004/3/3
638308	Korea	2005/3/3
303498	Taiwan	2004/11/17

Patent Number or Application Number	Country (Jurisdiction)	Filing Date
7872414	US	2005/3/1
4406572	Japan	2004/3/3
4564773	Japan	2004/4/7
7355211	US	2005/4/4
200510056368	China	2005/3/18
4408382	Japan	2004/3/18
7525129	US	2005/3/14
4393249	Japan	2004/3/31
8026662	US	2005/2/14
4555727	Japan	2005/4/22
7692375	US	2006/4/20
7898172	US	2010/3/4
7612497	US	2006/5/11
4596977	Japan	2005/5/20
7619244	US	2006/5/18
4596976	Japan	2005/5/20
8158969	US	2006/5/18
4658877	Japan	2006/8/7
8008852	US	2007/8/3
7942715	US	2008/7/8
4843627	Japan	2008/3/7
200910004724.2	China	2009/2/20
4734368	Japan	2008/3/31
5094477	Japan	2008/3/5
200810004961.4	China	2008/1/31
8063553	US	2008/3/4
5028366	Japan	2008/9/11
8742430	US	2009/8/17
5096437	Japan	2009/9/28
8278665	US	2010/8/20

Patent Number or Application Number	Country (Jurisdiction)	Filing Date
405584	Korea	2001/7/19
161634	Taiwan	2001/5/25
6696181	US	2001/7/20
6936409	US	2002/10/1
6814887	US	2002/10/1
5225782	Japan	2008/8/8
8264432	US	2009/7/2
2104698	China	2002/2/20
200510003930.3	China	2005/1/11
200610101704.3	China	2006/6/30
842511	Korea	2002/2/19
177493	Taiwan	2001/12/13
6876345	US	2002/2/15
7277072	US	2004/10/18
7142180	US	2005/4/1
8031144	US	2007/9/21
8159427	US	2011/8/1
8633878	US	2012/3/6
02129867.X	China	2002/8/20
200810005615.8	China	2008/2/14
3899886	Japan	2001/10/10
4100418	Japan	2005/6/20
4596176	Japan	2006/11/6
5094929	Japan	2010/8/6
910688	Korea	2002/8/13
187168	Taiwan	2002/8/1
8730281	US	2013/7/15
9035978	US	2014/1/28
9324259	US	2015/3/24
9324260	US	2015/3/24

Patent Number or Application Number	Country (Jurisdiction)	Filing Date
6950081	US	2002/8/6
7436376	US	2005/1/26
7468715	US	2005/8/5
8102387	US	2008/12/10
8508562	US	2011/12/19
4367544	Japan	2007/10/3
7336247	US	2003/1/13
8013811	US	2007/12/27
4165120	Japan	2002/5/17
965646	Korea	2003/3/25
272668	Taiwan	2003/4/17
7733309	US	2003/5/16
4089289	Japan	2002/5/17
1005646	Korea	2003/3/28
358706	Taiwan	2003/4/17
7145532	US	2003/5/15
4206693	Japan	2002/5/17
7221343	US	2003/5/16
7379044	US	2007/5/22
7324099	US	2004/2/6
200410005846	China	2004/2/20
4589614	Japan	2003/10/28
829286	Korea	2004/2/19
357036	Taiwan	2003/12/24
7012586	US	2004/2/11
200410004937.2	China	2004/2/13
200810092135.X	China	2008/4/8
1060017	Korea	2004/2/13
366162	Taiwan	2004/2/12
200410068381.3	China	2004/8/31

Patent Number or Application Number	Country (Jurisdiction)	Filing Date
4804711	Japan	2003/11/21
1086740	Korea	2004/7/16
357615	Taiwan	2004/6/23
7518577	US	2004/7/20
200510108432.5	China	2005/10/8
4846998	Japan	2004/10/8
1195667	Korea	2005/10/7
307489	Taiwan	2005/9/14
7652647	US	2005/10/4
200510116433.4	China	2005/10/20
4846999	Japan	2004/10/20
1217931	Korea	2005/10/19
316220	Taiwan	2005/9/19
8279203	US	2005/10/17
200610005467	China	2006/1/17
5081374	Japan	2005/1/17
1204123	Korea	2006/1/16
309032	Taiwan	2005/11/9
8446343	US	2005/12/12
200610132243.6	China	2006/10/12
4812080	Japan	2005/10/12
7932881	US	2006/10/10
200710104642.6	China	2007/5/18
5215534	Japan	2006/5/19
8035601	US	2007/5/18
5010949	Japan	2007/3/7
8477086	US	2008/2/7
200810002054.6	China	2008/1/9
8085225	US	2007/12/27
200810083303.9	China	2008/3/6

Patent Number or Application Number	Country (Jurisdiction)	Filing Date
5357399	Japan	2007/3/9
8605062	US	2008/3/3
200810002052.7	China	2008/1/9
5342111	Japan	2007/3/9
8063857	US	2007/12/21
200710159738.2	China	2007/12/21
5317419	Japan	2007/3/7
5547834	Japan	2013/5/30
5502266	Japan	2007/7/23
8264481	US	2008/7/9
8514153	US	2008/7/17
8643574	US	2008/7/8
200810183828.X	China	2008/12/9
200910002220.7	China	2009/1/8
8610646	US	2009/1/9
5129656	Japan	2008/6/4
8427400	US	2009/6/3
5280739	Japan	2008/6/11
5342193	Japan	2008/8/19
8207918	US	2009/6/9
8258024	US	2009/10/27
3608613	Japan	2001/3/28
502747	Korea	2002/3/27
193098	Taiwan	2002/3/14
9214504	US	2014/5/30
9735220	US	2015/2/11
9627464	US	2015/7/13
9653529	US	2015/11/18
6888304	US	2002/3/22
6977463	US	2005/4/25

Patent Number or Application Number	Country (Jurisdiction)	Filing Date
8232934	US	2008/3/27
8766884	US	2012/6/15
5903421	Japan	2013/10/22
6131289	Japan	2015/5/8
4027614	Japan	2001/3/28
5201712	Japan	2007/8/10
5442678	Japan	2011/8/12
523458	Korea	2002/3/27
181183	Taiwan	2002/3/14
6947019	US	2002/3/25
3608614	Japan	2001/3/28
5179806	Japan	2007/8/31
5209109	Japan	2011/12/21
493204	Korea	2002/3/27
192245	Taiwan	2002/3/14
8803870	US	2013/4/30
9076379	US	2014/7/30
9472136	US	2015/6/3
9685115	US	2016/9/19
9934724	US	2016/11/4
9875689	US	2016/11/4
6965363	US	2002/3/26
7525525	US	2005/11/2
8018448	US	2009/4/20
8169427	US	2011/9/6
8432383	US	2012/4/19
3612494	Japan	2001/3/28
434899	Korea	2002/3/27
245244	Taiwan	2002/3/14
14/843530	US	2015/9/2

Patent Number or Application Number	Country (Jurisdiction)	Filing Date
6919886	US	2002/3/26
8581806	US	2005/7/14
3888883	Japan	2001/11/22
4372773	Japan	2006/7/24
4050503	Japan	2001/11/29
4606450	Japan	2007/11/5
7157847	US	2002/11/27
7675232	US	2006/12/6
3892732	Japan	2002/1/31
3103028.9	China	2003/1/28
200510116026.3	China	2005/10/27
3854161	Japan	2002/1/31
518294	Korea	2003/1/30
842512	Korea	2005/3/16
240239	Taiwan	2003/1/22
7071906	US	2003/1/27
3149171.5	China	2003/3/20
503579	Korea	2003/3/19
292894	Taiwan	2003/3/20
7038651	US	2003/3/20
7352350	US	2006/3/22
4252275	Japan	2002/10/1
4197259	Japan	2003/2/10
4226867	Japan	2002/9/25
200310100425.1	China	2003/10/15
200710166856.6	China	2007/10/22
4050972	Japan	2002/10/16
540966	Korea	2003/10/15
245251	Taiwan	2003/10/15
4272447	Japan	2003/2/21

Patent Number or Application Number	Country (Jurisdiction)	Filing Date
4503586	Japan	2006/12/21
7034453	US	2003/12/11
7332854	US	2006/3/20
7642701	US	2007/10/11
8129902	US	2009/12/18
7019456	US	2003/12/12
3984183	Japan	2003/3/20
7091658	US	2004/3/19
7274140	US	2006/7/28
4159401	Japan	2003/5/8
4299059	Japan	2003/5/30
7553208	US	2006/12/15
4209744	Japan	2003/8/11
4606480	Japan	2008/4/28
4292462	Japan	2003/2/12
6791256	US	2003/2/11
4071652	Japan	2003/3/3
4937858	Japan	2007/8/13
3158094.7	China	2003/3/4
787687	Korea	2003/3/4
222048	Taiwan	2003/3/4
8847858	US	2013/5/8
7230592	US	2003/3/3
7667674	US	2007/5/1
8134524	US	2010/2/2
8446347	US	2012/2/2
4342870	Japan	2003/8/11
7705531	US	2004/7/23
7550918	US	2004/10/13
4354234	Japan	2003/9/10

Patent Number or Application Number	Country (Jurisdiction)	Filing Date
4235045	Japan	2003/6/24
7012626	US	2004/6/22
7224127	US	2006/2/21
7880753	US	2007/5/14
200410080784.X	China	2004/10/15
4627140	Japan	2003/10/17
7359215	US	2004/10/15
4516299	Japan	2003/10/31
4630535	Japan	2003/11/14
200510007778.6	China	2005/2/17
707252	Korea	2005/2/15
286913	Taiwan	2005/8/16
7622861	US	2005/2/11
7888862	US	2007/10/24
4369719	Japan	2003/10/3
200510063238.X	China	2005/4/7
7710015	US	2005/4/5
4637513	Japan	2004/6/25
200510080743.5	China	2005/6/30
7423865	US	2005/6/30
200510098437.4	China	2005/9/6
7479953	US	2005/8/19
7786666	US	2006/9/26
4948754	Japan	2004/8/4
200510073241.X	China	2005/6/1
4589035	Japan	2004/6/2
7446473	US	2005/6/2
7893607	US	2005/7/12
200510093547.1	China	2005/8/29
4616596	Japan	2004/8/27

Patent Number or Application Number	Country (Jurisdiction)	Filing Date
200510125885.9	China	2005/11/30
4727216	Japan	2004/11/30
7474046	US	2005/11/28
7679089	US	2006/7/19
7915073	US	2006/9/15
200610058581.X	China	2006/3/22
7701133	US	2006/3/21
8148896	US	2010/3/2
200510105413.7	China	2005/9/26
7773080	US	2005/9/14
200510127953.5	China	2005/12/7
5121118	Japan	2004/12/8
695770	Korea	2005/12/6
328791	Taiwan	2005/12/6
7701420	US	2005/12/7
8547306	US	2010/2/16
200610058289.8	China	2006/3/2
5090628	Japan	2005/3/3
7671825	US	2006/2/24
200710085848.9	China	2007/2/25
4776393	Japan	2006/2/20
883484	Korea	2007/2/20
363576	Taiwan	2007/2/13
7898174	US	2007/2/20
200410083763.3	China	2004/10/19
659629	Korea	2004/10/20
255153	Taiwan	2004/10/15
7608997	US	2004/10/20
5367937	Japan	2006/3/31
7622860	US	2007/3/1

Patent Number or Application Number	Country (Jurisdiction)	Filing Date
7714507	US	2007/2/27
200710085847.4	China	2007/2/25
860643	Korea	2007/2/16
339083	Taiwan	2007/2/13
7336036	US	2007/2/12
200710090461.2	China	2007/4/11
7830341	US	2007/4/10
200710078754.9	China	2007/2/26
8624507	US	2013/1/3
8773025	US	2013/12/17
9189993	US	2014/6/3
9489890	US	2015/10/14
9747837	US	2016/8/12
15/235906	US	2016/8/12
8242698	US	2007/2/27
8368311	US	2012/7/5
5023271	Japan	2006/2/27
8076843	US	2007/4/6
200710005531.X	China	2007/2/9
201010578231.2	China	2010/12/3
7714506	US	2007/2/26
8441186	US	2010/4/29
7990059	US	2007/2/27
8405308	US	2011/6/21
5028571	Japan	2006/2/27
4969963	Japan	2006/9/21
7704795	US	2007/8/23
200710109136.6	China	2007/6/13
908150	Korea	2007/6/18
353803	Taiwan	2007/5/4

Patent Number or Application Number	Country (Jurisdiction)	Filing Date
7843136	US	2007/6/14
5117001	Japan	2006/7/7
7795808	US	2007/7/6
4927462	Japan	2006/7/7
7834544	US	2007/7/9
200710167472.6	China	2007/10/25
918585	Korea	2007/10/25
7982392	US	2007/10/23
200810130348.7	China	2008/7/11
5179104	Japan	2007/7/12
1109876	Korea	2008/7/11
1109840	Korea	2011/3/21
397176	Taiwan	2008/7/11
491036	Taiwan	2011/9/14
8053976	US	2008/7/11
5179105	Japan	2007/7/12
5311323	Japan	2007/7/25
4916973	Japan	2007/8/2
8058803	US	2008/7/31
200810213136.5	China	2008/9/18
5192208	Japan	2007/9/19
5260905	Japan	2007/7/12
8344613	US	2008/7/10
200610162757.6	China	2006/11/28
200810109802	China	2008/5/30
5006108	Japan	2007/6/1
8729794	US	2008/5/30
200810170797.4	China	2008/10/29
5090856	Japan	2007/10/30
8384287	US	2008/10/28

Patent Number or Application Number	Country (Jurisdiction)	Filing Date
5007170	Japan	2007/7/20
5074129	Japan	2007/8/21
8203261	US	2008/8/21
200810214483.X	China	2008/8/28
5329062	Japan	2007/8/29
979325	Korea	2008/8/28
396466	Taiwan	2008/8/28
7977874	US	2008/8/28
8766881	US	2008/4/3
200810168595.6	China	2008/10/10
5443679	Japan	2007/10/10
7915814	US	2008/10/10
4977561	Japan	2007/9/5
200810166760.4	China	2008/10/27
8098010	US	2008/11/18
200810170695.2	China	2008/10/30
4920548	Japan	2007/10/31
988720	Korea	2008/10/30
399998	Taiwan	2008/10/20
7804241	US	2008/10/31
5111201	Japan	2008/3/31
9484551	US	2014/9/19
9991466	US	2016/10/5
15/969212	US	2018/5/2
7999469	US	2009/3/11
8858287	US	2011/7/12
5260029	Japan	2007/11/19
8342898	US	2008/11/18
200810172859.5	China	2008/11/5
5185598	Japan	2007/11/6

Patent Number or Application Number	Country (Jurisdiction)	Filing Date
1076568	Korea	2008/11/5
1169879	Korea	2011/3/31
399999	Taiwan	2008/10/30
8680766	US	2008/11/5
5280667	Japan	2007/11/8
5215742	Japan	2008/6/11
5049213	Japan	2008/7/8
5608320	Japan	2008/7/9
8237353	US	2009/7/9
5770236	Japan	2013/9/18
6127296	Japan	2015/6/24
2017-075131	Japan	2017/4/5
5372435	Japan	2008/9/2
200910160336.3	China	2009/8/7
5329147	Japan	2008/8/8
8152583	US	2009/8/7
5215804	Japan	2008/10/7
5374098	Japan	2008/9/8
8102115	US	2009/9/4
8093612	US	2009/10/7
5346520	Japan	2008/8/13
8248333	US	2009/8/11
8097886	US	2009/10/23
5111273	Japan	2008/7/22
5133228	Japan	2008/12/4
8252612	US	2009/12/4
8558267	US	2012/8/22
200910165793.1	China	2009/8/13
5384051	Japan	2008/8/27
1075650	Korea	2009/7/30

Patent Number or Application Number	Country (Jurisdiction)	Filing Date
431591	Taiwan	2009/8/25
8749460	US	2009/8/26
8330711	US	2009/9/1
8164093	US	2009/10/14
5399805	Japan	2009/8/4
8755012	US	2013/4/10
5290078	Japan	2009/7/22
3855868	Japan	2002/7/11
634951	Korea	2003/10/30
233071	Taiwan	2003/9/19
7202842	US	2003/9/17
8816945	US	2007/4/10
604303	Korea	2003/10/30
259431	Taiwan	2003/9/19
8537081	US	2003/9/17
200310114149.4	China	2003/11/5
594928	Korea	2003/11/4
290703	Taiwan	2003/10/21
8531489	US	2003/11/5
7063902	US	2004/1/8
4170179	Japan	2003/9/5
703102	Korea	2004/1/8
240958	Taiwan	2004/1/7
200410057618.8	China	2004/8/20
7258586	US	2004/6/29
200510071374.3	China	2005/5/27
7306346	US	2005/5/27
200510003824.5	China	2005/1/10
5008110	Japan	2004/3/25
636065	Korea	2005/1/7

Patent Number or Application Number	Country (Jurisdiction)	Filing Date
248597	Taiwan	2004/11/19
7633496	US	2004/11/17
4489472	Japan	2004/3/19
7365487	US	2004/11/22
4695345	Japan	2004/5/18
4564364	Japan	2005/1/17
200410056318.8	China	2004/8/6
627741	Korea	2004/7/19
238675	Taiwan	2004/6/21
7301274	US	2004/7/26
7830082	US	2007/7/19
200610170087.2	China	2006/12/18
4814676	Japan	2006/3/31
8269695	US	2006/12/19
5193493	Japan	2007/4/27
200710180975.7	China	2007/10/10
4256888	Japan	2006/10/13
7982697	US	2007/10/12
5201615	Japan	2007/1/29
200810109047.6	China	2008/5/23
8242987	US	2008/5/20
8035663	US	2008/5/20
200810009488.9	China	2008/2/3
4897525	Japan	2007/3/16
8605069	US	2008/2/8
5081516	Japan	2007/7/12
8313806	US	2008/6/27
5734324	Japan	2013/2/6
8106902	US	2008/6/9
5066432	Japan	2007/11/30

Patent Number or Application Number	Country (Jurisdiction)	Filing Date
8194064	US	2008/11/25
200810173192	China	2008/11/6
5298284	Japan	2007/11/30
1078589	Korea	2008/11/14
401654	Taiwan	2008/9/23
8330755	US	2008/11/26
200910002078.6	China	2009/1/16
1017164	Korea	2009/1/15
428884	Taiwan	2009/1/9
9177504	US	2009/1/14
8884846	US	2009/5/20
6738034	US	2001/3/30
7483002	US	2004/4/12
8174467	US	2009/1/26
405877	Korea	2001/8/25
173077	Taiwan	2001/8/23
6583581	US	2001/8/23
6882113	US	2003/5/14
7417608	US	2005/3/11
411557	Korea	2001/8/29
173939	Taiwan	2001/8/27
6724377	US	2001/8/29
411556	Korea	2001/8/29
191769	Taiwan	2001/10/24
6753834	US	2001/8/22
1125156.5	China	2001/8/30
200410104674.2	China	2004/12/27
1223618	Germany	2001/8/29
1223618	France	2001/8/29
1223618	UK	2001/8/29

Patent Number or Application Number	Country (Jurisdiction)	Filing Date
703907	Korea	2001/8/30
243928	Taiwan	2001/8/6
7012365	US	2004/4/1
7339316	US	2005/12/20
7781962	US	2007/12/31
6638645	US	2001/9/17
1133879.2	China	2001/8/30
444917	Korea	2001/8/29
178081	Taiwan	2001/8/27
6885385	US	2001/8/27
768995	Korea	2002/2/25
194043	Taiwan	2002/2/8
7291973	US	2002/2/26
1137181.1	China	2001/8/30
1246157	Germany	2001/8/29
1246157	France	2001/8/29
1246157	UK	2001/8/29
411555	Korea	2001/8/30
1246157	Netherlands	2001/8/29
178697	Taiwan	2001/8/28
6661397	US	2001/8/29
7268760	US	2003/10/28
3103026.2	China	2003/1/28
540416	Korea	2003/2/6
228686	Taiwan	2002/12/3
6864638	US	2002/12/31
7408197	US	2005/2/1
7909672	US	2008/8/1
910088	Korea	2003/1/11
204422	Taiwan	2002/9/10

Patent Number or Application Number	Country (Jurisdiction)	Filing Date
6888520	US	2002/9/17
7692609	US	2005/4/22
2108315	China	2002/3/28
890497	Korea	2002/8/19
191903	Taiwan	2002/7/1
6611107	US	2002/2/27
7205965	US	2003/7/31
7067985	US	2003/6/20
7425794	US	2005/7/7
7557494	US	2007/9/13
7928639	US	2008/11/18
8198804	US	2011/3/15
944311	Korea	2003/8/19
8791632	US	2013/10/3
8928221	US	2014/7/9
9153634	US	2015/1/5
9276052	US	2015/8/24
9595573	US	2016/1/20
9799714	US	2017/1/30
9966421	US	2017/9/19
15/945068	US	2018/4/4
7030556	US	2003/9/2
7279833	US	2006/2/23
7812515	US	2007/9/7
8049405	US	2009/12/4
8193697	US	2011/8/10
8558449	US	2012/5/22
3918617	Japan	2002/4/16
2155986.4	China	2002/12/12
204684	Taiwan	2002/11/8

Patent Number or Application Number	Country (Jurisdiction)	Filing Date
7286105	US	2003/1/10
5581037	Japan	2009/11/4
8599346	US	2010/11/3
5452343	Japan	2010/4/27
7019455	US	2003/2/6
4664877	Japan	2006/8/7