

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	PANASONIC CORPORATION	05/27/2014
RECEIVING PARTY DATA		
Name:	PANASONIC INTELLECTUAL PROPERTY CORPORATION OF AMERICA	
Street Address:	20000 MARINER AVENUE, SUITE 200	
City:	TORRANCE	
State/Country:	CALIFORNIA	
Postal Code:	90503	
PROPERTY NUMBERS Total: 2		
	Property Type	Number
	Patent Number:	9258728
	Patent Number:	9014132
CORRESPONDENCE DATA		
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DATE SIGNED:	03/22/2018	
Total Attachments: 20		
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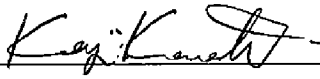
Panasonic Corporation, formerly called Matsushita Electric Industrial Co., Ltd., a Japanese corporation having a place of business at 1006 Oaza, Kadoma, Kadoma City, Osaka 571-8501, Japan ("Assignor"), hereby irrevocably assigns to Panasonic Intellectual Property Corporation of America, a company having a place of business at 20000 Mariner Avenue, Suite 200, Torrance CA 90503 USA ("Assignee"), the entire right, title and interest for the United States of America and its territorial possessions, and all foreign countries including all rights of priority, in inventions disclosed in the patents and patent applications identified on Schedule, and in and to all Letters Patents of the United States of America, international and all foreign countries which may or shall be granted on said patent applications, or any parts thereof, or any divisional, continuing, reissue or other applications based in whole or in part thereon, and the right to recover for past infringement of the patents.

Assignor does hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America or equivalent authority elsewhere in the world to issue such Letters Patent as shall be granted upon said applications based thereon to said Assignee, its successors and assigns.

IN WITNESS WHEREOF, Assignor and Assignee have caused their duly authorized representatives to execute this Assignment.

ASSIGNOR

Panasonic Corporation

By: 
Name: Kenji Kamata
Title: Manager, Authorized Signing Officer, Intellectual Property Center
Date: May 27, 2014

Application Number	Application Number	Application Number	Application Number
08/145861	08/928010	09/165297	09/352123
08/249879	08/929652	09/166665	09/358820
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08/920954	09/159631	09/337734	09/513193
08/920992	09/160545	09/345829	09/513198

Application Number	Application Number	Application Number	Application Number
09/513199	09/684322	09/821973	09/956192
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Application Number	Application Number	Application Number	Application Number
10/075164	10/229151	10/392549	10/480928
10/075572	10/232679	10/392827	10/480932
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10/221444	10/388358	10/479958	10/506203
10/227197	10/390226	10/480038	10/508653

Patents

Application Number	Application Number	Application Number	Application Number
10/509315	10/542409	10/569872	10/591184
10/510350	10/542683	10/570171	10/591600
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Application Number	Application Number	Application Number	Application Number
10/769276	11/033831	11/356177	11/570470
10/771256	11/060554	11/368437	11/570687
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Application Number	Application Number	Application Number	Application Number
11/596254	11/661277	11/791110	11/886453
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11/915613	11/977346	12/007563	12/093877
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13/806872	13/816825	13/851486	13/902107
13/807129	13/816838	13/851646	13/902214
13/807202	13/817004	13/852161	13/902292

Application Number	Application Number	Application Number	Application Number
13/905724	13/966848	13/993852	14/031169
13/908278	13/967134	13/995262	14/032414
13/909331	13/972586	13/995295	14/033568
13/912468	13/976637	13/996675	14/035193
13/914762	13/978073	13/996844	14/036428
13/915827	13/978301	14/000060	14/040175
13/917011	13/978597	14/000409	14/041043
13/918654	13/978633	14/000476	14/041147
13/919753	13/978779	14/001579	14/043099
13/920853	13/979175	14/001583	14/044618
13/921257	13/979238	14/001721	14/046042
13/924965	13/979571	14/001977	14/046058
13/926738	13/979918	14/002204	14/049289
13/926892	13/980450	14/002609	14/051982
13/928023	13/980654	14/003001	14/054974
13/930450	13/980918	14/003084	14/055617
13/932882	13/981589	14/003588	14/057969
13/933550	13/981708	14/004248	14/058636
13/933892	13/981734	14/005522	14/061483
13/940726	13/982277	14/005876	14/065020
13/942819	13/982357	14/006095	14/069708
13/948027	13/983171	14/006332	14/069859
13/949620	13/983581	14/006642	14/070857
13/950138	13/984152	14/006700	14/071301
13/951371	13/984199	14/008732	14/072668
13/952923	13/985315	14/008785	14/074179
13/954368	13/985453	14/009408	14/079988
13/955450	13/985640	14/009477	14/080026
13/957478	13/985707	14/010747	14/088227
13/957748	13/985746	14/012856	14/090147
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13/960297	13/988582	14/015263	14/091164
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13/962175	13/989213	14/015406	14/094420
13/962862	13/989220	14/016616	14/098389
13/963210	13/989252	14/017393	14/100997
13/964993	13/989460	14/018657	14/103034
13/965634	13/989508	14/019346	14/103134
13/965644	13/989577	14/021153	14/105561
13/966477	13/989875	14/021207	14/107292
13/966484	13/989900	14/021315	14/107497
13/966522	13/990395	14/022642	14/108728
13/966527	13/991600	14/024978	14/110573
13/966538	13/993230	14/027406	14/110624
13/966819	13/993851	14/027501	14/110783

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Application Number	Application Number	Application Number	Application Number
14/110795	14/130505	14/195349	14/238523
14/111070	14/130771	14/195508	14/239662
14/111334	14/131292	14/195589	14/239907
14/111788	14/131844	14/195628	14/240154
14/112067	14/131860	14/195693	14/240671
14/112193	14/131873	14/196980	14/240778
14/112227	14/131884	14/198070	14/241130
14/112382	14/131886	14/198230	14/242545
14/112623	14/131893	14/198942	14/242637
14/113481	14/138335	14/200911	14/243630
14/113651	14/140750	14/203754	14/244579
14/114004	14/141323	14/224113	14/247324
14/114550	14/144249	14/225977	14/250101
14/114705	14/146028	14/226570	14/251955
14/114883	14/151063	14/227987	14/252000
14/115325	14/151674	14/228651	14/258306
14/115891	14/153466	14/228692	14/259366
14/118204	14/153905	14/229551	14/264542
14/118738	14/155874	14/231087	14/267166
14/119908	14/156659	14/232033	14/342239
14/122068	14/156769	14/233373	14/342240
14/122334	14/156803	14/233821	14/342283
14/122585	14/156986	14/234089	14/342514
14/123271	14/157032	14/234470	14/342639
14/123326	14/157577	14/234491	14/342893
14/123333	14/161873	14/234570	14/343870
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14/123873	14/164458	14/235153	14/349364
14/124093	14/164471	14/235732	14/350382
14/124267	14/164497	14/235823	14/350403
14/125243	14/164521	14/235832	14/353312
14/125353	14/166555	14/235878	14/356359
14/125553	14/166632	14/236097	61/739118
14/125753	14/169057	14/236106	61/746658
14/126121	14/169874	14/236451	61/746660
14/126233	14/174391	14/236965	61/829290
14/126503	14/174994	14/237056	61/831209
14/126588	14/175207	14/237252	61/831873
14/126678	14/176969	14/237551	61/837334
14/127323	14/179340	14/237687	61/841459
14/127676	14/179905	14/237742	61/843076
14/128218	14/183830	14/237819	61/843480
14/128296	14/190758	14/237820	61/871625
14/129259	14/192085	14/238041	61/894109
14/130390	14/193229	14/238336	61/921101

<Schedule>

Patents

Application Number	Application Number	Application Number	Application Number
61/921221			
61/921260			
61/972722			
61/973411			
61/974689			
61/992222			

1006, Oaza Kadoma, Kadoma-shi, Osaka
Panasonic Corporation
Registration No.: 1216-01-003721

(Translation)

Certificate of a Part of the Registered Information

Trade Name	<u>Matsushita Electric Industrial Co., Ltd.</u>	
	Panasonic Corporation	Amended on October 1, 2008
		Registered on October 1, 2008
Principal Office	1006, Oaza Kadoma, Kadoma-shi, Osaka	
Method of Public Notice	Electronic public notices will be given at: http://panasonic.co.jp/index3.html where electronic public notices could not be issued for an incident or any other unavoidable reason, public notice should be given in the <i>Nihon Keizai Shimbun</i> .	Amended on June 25, 2009
		Registered on July 8, 2009
Date of Incorporation	December 15, 1935	
Matters regarding Company with Board of Directors	Company with Board of Directors Registered on May 2, 2006, pursuant to the Article 136 of the Act No.87 of 2005	
Matters regarding Company with Auditors	Company with Auditors Registered on May 2, 2006, pursuant to the Article 136 of the Act No.87 of 2005	
Matters regarding Company with Board of Company Auditors	Company with Board of Company Auditors Registered on May 12, 2006	
Matters regarding Company with Accounting Auditors	Company with Accounting Auditors Registered on May 12, 2006	

This is to certify that the foregoing is a part of the registered information presently in effect.

(Registered at Moriguchi office, Osaka Legal Affairs Bureau)
Date: November 27, 2009

Osaka Legal Affairs Bureau
Registrar MORISAWA, Shigemi

現在事項一部証明書

大阪府門真市大字門真1006番地
パナソニック株式会社
会社法人等番号 1216-01-003721

商号	松下電器産業株式会社	
	パナソニック株式会社	平成20年10月1日変更
		平成20年10月1日登記
本店	大阪府門真市大字門真1006番地	
公告をする方法	電子公告とする。 http://panasonic.co.jp/index3.html ただし、事故その他やむを得ない事由によって電子公告をすることができない場合は、日本経済新聞に掲載して行う。	平成21年6月25日変更
		平成21年7月8日登記
会社成立の年月日	昭和10年12月15日	
取締役会設置会社に関する事項	取締役会設置会社	平成17年法律第87号第136条の規定により平成18年5月2日登記
監査役設置会社に関する事項	監査役設置会社	平成17年法律第87号第136条の規定により平成18年5月2日登記
監査役会設置会社に関する事項	監査役会設置会社	平成18年5月12日登記
会計監査人設置会社に関する事項	会計監査人設置会社	平成18年5月12日登記

これは登記簿に記録されている現に効力を有する事項の一部であることを証明した書面である。

(大阪法務局守口出張所管轄)

平成21年11月27日

大阪法務局
登記官

森 澤 茂 己



整理番号 た4.4.8.3.3.8

* 下線のあるものは抹消事項であることを示す。

1/1

PATENT

RECORDED: 03/22/2018

REEL: 045315 FRAME: 0908