

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	MERGER
<b>EFFECTIVE DATE:</b>	01/30/2015
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
PANASONIC CORPORATION	01/30/2015
<b>RECEIVING PARTY DATA</b>	
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<b>City:</b>	OSAKA-SHI, OSAKA
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	540-6207
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15298753
<b>CORRESPONDENCE DATA</b>	
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<b>NAME OF SUBMITTER:</b>	DANIEL P. LENT
<b>SIGNATURE:</b>	/Daniel P. Lent/
<b>DATE SIGNED:</b>	10/20/2016
<b>Total Attachments: 3</b>	
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## Assignment

Whereas, Panasonic Corporation of 1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501, Japan, hereinafter referred to as "Assignor", solely or jointly owns the entire right, title and interest in United States Patents mentioned in the attached schedule; and

Whereas, Panasonic Intellectual Property Management Co., Ltd., of 1-61, Shiromi 2-chome, Chuo-ku, Osaka-shi, Osaka 540-6207 Japan, hereinafter referred to as "Assignee", desires to acquire the entire right, title and interest of the Assignor in the said U.S. Patents ;

Now, therefore, for valuable consideration, receipt of which is hereby acknowledged, the above-named Assignor hereby sells, assigns and transfers to the above-named Assignee, its successors and assigns, its entire right, title and interest in the said U.S. Patents, and any reissues or re-examinations thereof, together with all claims for damages by reason of past infringement of the said U.S. Patents with the right to sue for and collect the same for their own use and enjoyment.

Assignor hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

**Panasonic Corporation**

Date: January 30, 2015

By: *Koichi Nomura*  
Koichi NOMURA  
Authorized Signing Officer  
Intellectual Property Center

< Schedule >

Patent(s)

Application Number	Application Number	Application Number	Application Number
10/875498	11/044583	11/361367	11/519233
11/579547	11/623880	11/657131	11/723849
11/946159	12/029551	12/039907	12/045247
12/045866	12/046551	12/116251	12/124238
12/183179	12/236560	12/325313	12/344754
12/356578	12/372029	12/372126	12/375768
12/425461	12/427787	12/438384	12/442720
12/496829	12/509006	12/509137	12/562907
12/722190	12/727810	12/730507	12/731276
12/866020	12/867784	12/919861	13/060233
13/140149	13/201882	13/230049	13/361007
13/392166	13/393040	13/399624	13/414888
13/415273	13/416170	13/421426	13/421512
13/423419	13/423725	13/425096	13/425108
13/425206	13/426207	13/426942	13/427088
13/483245	13/485096	13/486176	13/495282
13/557255	13/557291	13/558381	13/561145
13/592545	13/592613	13/594201	13/637449
13/637703	13/682871	13/682911	13/682935
13/700022	13/715071	13/721515	13/727546
13/743417	13/749864	13/749912	13/750191
13/751349	13/769940	13/772596	13/781912
13/826010	13/848212	13/848267	13/850625
13/867183	13/869089	13/895517	13/895558
13/895600	13/927147	13/927409	13/928959
13/929068	13/931130	13/950392	13/950418
13/951750	13/951782	13/951884	13/951932
13/953052	13/954252	13/954549	13/962249
13/972328	14/006494	14/006905	14/012033
14/016585	14/026288	14/026381	14/029093
14/029367	14/032938	14/032986	14/033653
14/033683	14/034665	14/034711	14/034998

14/036051	14/036675	14/036757	14/036814
14/036847	14/039878	14/056382	14/082602
14/085931	14/090309	14/090405	14/132304
14/132464	14/134492	14/134496	14/134743
14/159051	14/159677	14/159727	14/159976
14/160077	14/162241	14/165618	14/165618
14/182485	14/182506	14/182525	14/182583
14/186280	14/186318	14/193638	14/193665
14/200866	14/202586	14/204379	14/205373
14/210498	14/210504	14/218185	14/221977
14/222043	14/225472	14/225480	14/226952
14/235682	14/247482	14/275273	14/296494
14/306331	14/316880	14/379933	14/381969
14/384313	14/388599	14/445980	14/447705
14/449198	14/451499	14/451515	14/453769
14/455967	14/457158	14/458289	14/459369
14/464745	14/469758	14/470114	14/476833
14/477965	14/477996	14/479458	14/484315
14/484443	14/485170	14/485858	14/493393
14/496238	14/496243	14/521547	14/534479
14/534942	14/539057	14/546523	14/550153
14/554589	14/560220	14/560269	14/564334
14/571407	14/578727	14/580197	14/580470
14/582505	14/591425	14/592973	14/602754

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