

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3445897

<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 CORPORATION	06/12/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SAMSUNG ELECTRONICS CO., LTD.
<b>Street Address:</b>	129, SAMSUNG-RO
<b>Internal Address:</b>	YEONGTONG-GU, SUWON-SI
<b>City:</b>	GYEONGGI-DO
<b>State/Country:</b>	KOREA, REPUBLIC OF
<b>Postal Code:</b>	443-742
<b>PROPERTY NUMBERS Total: 11</b>	
<b>Property Type</b>	<b>Number</b>
Patent Number:	7547619
Patent Number:	7759254
Patent Number:	7700382
Patent Number:	8138582
Patent Number:	7682954
Patent Number:	7790586
Patent Number:	8030187
Patent Number:	8324685
Patent Number:	8193080
Patent Number:	8124507
Patent Number:	8574972
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(919)854-1401
<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>	919-854-1400
<b>Email:</b>	twallace@myersbigel.com
<b>Correspondent Name:</b>	MYERES BIGEL SIBLEY & SAJOVEC
<b>Address Line 1:</b>	PO BOX 37428
<b>Address Line 4:</b>	RALEIGH, NORTH CAROLINA 27627

PATENT

<b>ATTORNEY DOCKET NUMBER:</b>	5649-4323
<b>NAME OF SUBMITTER:</b>	TRACY WALLACE
<b>SIGNATURE:</b>	/tw/
<b>DATE SIGNED:</b>	07/20/2015
<b>Total Attachments: 3</b> source=5649_4323_assignment#page1.tif source=5649_4323_assignment#page2.tif source=5649_4323_assignment#page3.tif	

## SCHEDULE B

### TRANSFER DOCUMENTS

Panasonic Corporation, a Japanese corporation having a place of business at 1006 Oaza, Kadoma, Kadoma City, Osaka 571-8501, Japan ("Assignor"), hereby irrevocably assigns to Samsung Electronics Co., Ltd., a corporation with its principal place of business at 129 Samsung-ro (Maetan-dong), Yeongtong-gu, Suwon-si, Gyeonggi-do, 443-742, Republic of Korea ("Assignee"), as of June 8, 2015, 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 A, together with all issued patents, rights to inventions and pending and future applications for patents under U.S. law or regulation or of any foreign country with respect to the patentable inventions from which any of the foregoing arise, including without limitation, divisions, continuations, continuations-in-part, substitutions, reexaminations, reissues, extensions or foreign counterparts therefrom the (collectively, "Assigned Patents"), and all causes of action, rights, and remedies arising under any such Assigned Patent prior to, on or after the Effective Date of this Agreement and all claims for damages by reason of past, present or future infringement or other unauthorized use of such Assigned Patents with the right to sue for and collect such damages.

Assignor also hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all patents or certificates of invention which may be granted upon any of the Assigned Patents in the name of Assignee, as the assignee to the entire interest therein.

IN WITNESS WHEREOF, Assignor has caused its duly authorized representatives to execute this Assignment.

#### ASSIGNOR

Panasonic Corporation

By: Koichi Nomura  
Name: Koichi Nomura  
Title: Authorized Signing Officer  
Date: June 17, 2015

ATTESTATION OF SIGNATURE PURSUANT TO 28 U.S.C. § 1746

The undersigned witnessed the signature of Koichi Nomura to the above Transfer Document on behalf of Panasonic Corporation and makes the following statements:

1. I am over the age of 18 and competent to testify as to the facts in this Attestation if called upon to do so.
2. Koichi Nomura is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on June 12, 2015 to execute the above Transfer document on behalf of Panasonic Corporation.
3. Koichi Nomura executed the above Transfer Document on behalf of Panasonic Corporation.

I declare under penalty of perjury under the laws of the United States of America that the statements made above in this Attestation are true and correct.

EXECUTED on June 12, 2015

Signature: 森永 謹臣  
Print Name: Hiroomi Morinaga

\_\_\_\_\_

**SCHEDULE A**  
**ASSIGNED PATENTS**

No.	Country	Application Number	Patent Number (Issued Number)	Status
1	US	10/526999	7547619	Valid
2	TW	093125524	1351708	Valid
3	US	10/569464	7759254	Valid
4	TW	093129034	1340825	Valid
5	US	10/572144	7700382	Valid
6	US	12/710482	8138582	Valid
7	US	10/599205	7682954	Valid
8	US	12/158852	7790586	Valid
9	JP	2008544145	5237820	Valid
10	JP	2009505667	4880033	Valid
11	US	12/517477	8030187	Valid
12	US	12/866649	8324685	Valid
13	JP	2009029564	5457045	Valid
14	US	12/922358	8193080	Valid
15	US	12/937169	8124507	Valid
16	US	13/264660	8574972	Valid
17	JP	2010-529171	4794692	Abandoned
18	CN	200480024667.X	200480024667.X	Abandoned
19	CN	200480027712.7	200480027712.7	Abandoned
20	JP	2005513389	4619951	Abandoned
21	JP	2010528632	4598886	Abandoned