PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3194433

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PANASONIC CORPORATION	01/21/2015

RECEIVING PARTY DATA

Name:	PANASONIC INTELLECTUAL PROPERTY MANAGEMENT CO., LTD.	
Street Address:	1-61, SHIROMI 2-CHOME, CHUO-KU, OSAKA-SHI	
City:	OSAKA	
State/Country:	JAPAN	
Postal Code:	540-6207	

PROPERTY NUMBERS Total: 28

Property Type	Number
Application Number:	13258987
Application Number:	14110999
Application Number:	13578725
Application Number:	13807913
Application Number:	13829777
Application Number:	14382669
Application Number:	14383447
Application Number:	14384623
Application Number:	14381133
Application Number:	14477103
Application Number:	14499809
Application Number:	14389130
Application Number:	14382733
Application Number:	14384009
Application Number:	14395910
Application Number:	14404757
Application Number:	14388857
Application Number:	14398829
Application Number:	13960814
Application Number:	14500369

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Property Type	Number
Application Number:	14390176
Application Number:	14551840
Application Number:	14499396
Application Number:	14497889
Application Number:	14499919
Application Number:	14500003
Application Number:	14497980
Application Number:	14520769

CORRESPONDENCE DATA

Fax Number:

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.

Email: epas.ipc@ml.jp.panasonic.com
Correspondent Name: PANASONIC CORPORATION
Address Line 1: 2-1-61, SHIROMI, CHUO-KU
Address Line 2: 7F OBP PANASONIC TOWER
Address Line 4: OSAKA, JAPAN 540-6207

ATTORNEY DOCKET NUMBER:	MEIGI-PIPM
NAME OF SUBMITTER:	CHIKA EDA
SIGNATURE:	/Chika EDA/
DATE SIGNED:	01/23/2015

Total Attachments: 2

source=Assignment(PC→PIPM)P#page1.tif source=Assignment(PC→PIPM)P#page2.tif

PATENT REEL: 034794 FRAME: 0941 **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 21, 2015

Bv:

Koichi NOMURA

Authorized Signing Officer

Intellectual Property Center

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<Schedule>

Patent(s)

Application Number	Application Number	Application Number
13/258987	14/499809	14/500369
14/110999	14/389130	14/390176
13/578725	14/382733	14/551840
13/807913	14/384009	14/499396
13/829777	14/395910	14/497889
14/382669	14/404757	14/499919
14/383447	14/388857	14/500003
14/384623	14/398829	14/497980
14/381133	13/960814	14/520769
14/477103	-	-

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PATENT
RECORDED: 01/23/2015 REEL: 034794 FRAME: 0943