PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TAKEOU OKANISHI	03/07/2014
HIROSHI ISHIKAWA	03/10/2014
KEIICHI YAMAMOTO	03/10/2014
TSUTOMU KAWASHIMA	03/25/2014
YASUSHI SUGAWARA	03/10/2014
YOICHIRO TSUJI	03/10/2014
NORIHISA YOSHIMOTO	03/13/2014
MIYUKI YOSHIMOTO	03/25/2014

RECEIVING PARTY DATA

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City:	OSAKA
State/Country:	JAPAN
Postal Code:	571-8501

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	14365463	

CORRESPONDENCE DATA

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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.

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ATTORNEY DOCKET NUMBER:	P659114-02
NAME OF SUBMITTER:	CHIKA EDA
SIGNATURE:	/Chika EDA/
DATE SIGNED:	08/18/2014
	PATENT

502938193 REEL: 033550 FRAME: 0855

Total Attachments: 2

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PATENT REEL: 033550 FRAME: 0856

Pana	sonic Ref*: <u>P659114-02</u>	<u></u>	Application Se	erial No14/865468
Japa	n Firm Name: _ARCO			ef: 13P181US/TKD
US F	irm Name*: <u>MWE</u>	<u></u>	US Firm Ref.	
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WHE	DEAC the understand has the column		NMENT	
BOX 1	REAS, the undersigned has (have) invente	d the invention entitled:		
1	of Invention;			
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(a)[7]	1. For use when signing	g Declaration prior to filing (U.S. patent application (check onl	y one box below)
	for which an application for U.S. pate			currently herewith, or
19 200	for which an application for U.S. paten described to the same dost check (a) of factors the same dost check (a) of factor	ina make no entry in the blank; if th	on the following date(s):	or
1 (0)	TOF Which an International Application of PCF-US national entry, check only (c) and enter PCT application	has been filed as: callou number in the right)	PCT Application No.	PCT/JP2013/006187 and,
<u> </u>			n after filing U.S. patent application	n
(d)□ 1	or which an application for U.S. paten	t has been filed on:	Application Filing Date	and,
WHEREAS, Panasonic Corporation of 1006. Osza Kadoma: Kadoma-shi, Osaka 571-8501, JAPAN, lis/their heirs, successors, legal representatives and assigns (tereinafter, designated as "Assignee(s)") is/are desirous of acquiring the entire right, title, and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor. NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are a hereby acknowledged and intended to be legally bound hereby, the undersigneed, by these presents, does sell, assign and transfer unto said Assignee(s) the entire and exclusive right, title and interest in and to; (i) said invention in the United States of America, its territories, dependencies and possessions (hereinafter designated as the United States) and in all countries foreign to the United States; and (ii) this patent application and any and all related patent application(s) disclosing sald invention, including provisionals, non-provisionals, conversions, divisions, continuations, including all renewals, and indicates thereof in the United States and all countries foreign to the United States (hereinafter designated as "Related Applications"), along with all rights or priority created by this patent application under any treaty relating therefor, and (iii) any and all Legal renewals, extensions, relssues and reexamination certificates which may be granted therefore, and all rights to sue for past and future infringement thereunder, in the United States for the full term or terms thereof. The undersigned agree(s) to execute all papers necessary in connection with this application and any and all Related Applications thereof, all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements, all papers necessary in connection with all instances of the International Convention for Protection of Industrial Property or similar agreement				
Box2	(Each Inventor, please Sign and Date b	elow)		name (a) and aighter (a).
	(e) First Name, Last Name		(f) Signature	(g) Date signed
(1)	Takeou OKANISHI	Lakeou	Chanishi	Month, Date, Year Month, Date, Year Month, Date, Year
(2)	Hiroshi ISHIKAWA	Hiroshi	Okanishi Ishikawa	Month, Dale, Year Murch (0, 2014

Check if additional paper(s) is/are attached. Total of 2 pages are submitted.

Kelichi YAMAMOTO

Tsutomu KAWASHIMA

(3)

(4)

Tsutomu Kawashima

Yamamoto

Keiichi

ASSIGNMENT (Cont.)

Box2 (Continued)		14/365463
	(e) First Name, Last Name	(f) Signature	(g) Date signed
(5)	Yasushi SUGAWARA	Masushi Sugawara	Month, Date, Year March 10, 2014 Month, Date, Year
(6)	Yolchiro TSUJI	Aprichiro Fruji	Month, Date, Year Month, Date, Year
(7)	Norihisa YOSHIMOTO	Norihisa Loshimata	Month, Date, Year Mayoh. 13. 2014 Month, Date, Year
(8)	Miyuki YOSHIMOTO	Masushi Sugawara Apoichiro Tsuji Norihisa Yoshimoto Miyuki Yoshimoto	March, 25, 2014
(9)			Month, Dale, Year
(10)			Month, Dale, Year
(11)			Month, Date, Year
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