

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4397599

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
RIKEN	10/15/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	PANASONIC CORPORATION
<b>Street Address:</b>	1006, OAZA KADOMA, KADOMA-SHI,
<b>City:</b>	OSAKA
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	571-8501
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	12446081
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(703)739-2815
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<b>Email:</b>	iprecordals@cpaglobal.com
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<b>NAME OF SUBMITTER:</b>	HEIDI WHITTINGHAM
<b>SIGNATURE:</b>	HMW/IPR/NW/NGB Panasonic/CP2015-198/AG1P
<b>DATE SIGNED:</b>	05/04/2017
<b>Total Attachments: 2</b>	
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UNITED STATES OF AMERICA

ASSIGNMENT

WHEREAS, RIKEN ("ASSIGNOR"), a limited company organized under the laws of Japan, with a place of business at 2-1 Hirosawa, Wako, Saitama, 351-0198 Japan, co-owns the United States Patent(s) (the "Patent(s)") listed on the attached Schedule A;

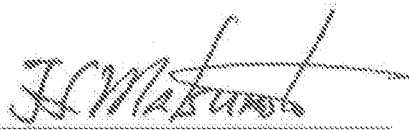
WHEREAS, Panasonic Corporation ("ASSIGNEE"), a corporation organized under the laws of Japan, with a place of business at 1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501, Japan, desires to acquire all rights to the Patent(s);

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other valuable consideration, the receipt of which ASSIGNOR acknowledges, ASSIGNOR has sold, assigned, transferred, and set over, and does, by this Assignment, sell, assign, transfer, and set over unto ASSIGNEE, all rights to the Patent(s), including reissues and extensions, to be held and enjoyed by ASSIGNEE, its successors, assigns, and legal representatives, for ASSIGNEE's own use and benefit and for the use and benefit of its successors, assigns, and legal representatives, to the end of the term(s) for which the Patent(s) has/have been granted or may be reissued or extended, as fully and entirely as the Patent(s) would have been held and enjoyed by ASSIGNOR had this assignment and sale not been made; together with all claims for profits and damages by reason of past infringement, with the right to sue for and collect the same for the use and benefit of ASSIGNEE, its successors, assigns, and legal representatives.

This Assignment is deemed to have become effective as from: October 15<sup>th</sup> 2015

IN WITNESS WHEREOF, ASSIGNOR has caused this Assignment to be executed by its duly authorized officer or representative on the date(s) indicated below.

RIKEN

By: 

Name: Hiroshi Matsumoto

Title: President

Date:

Schedule A

Country	Application Number	IP Grant Number
U.S.A	12/446081	8390023