

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4253518

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT OF PARTIAL RIGHTS
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SONY CORPORATION	12/19/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SONY MOBILE COMMUNICATIONS INC.
<b>Street Address:</b>	4-12-3, HIGASHI-SHINAGAWA
<b>City:</b>	SHINAGAWA-KU, TOKYO
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	140-0002
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15048730
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(703)413-2220
<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>	(703) 413-3000
<b>Email:</b>	ccameron@oblon.com
<b>Correspondent Name:</b>	OBLON, ET AL.
<b>Address Line 1:</b>	1940 DUKE STREET
<b>Address Line 4:</b>	ALEXANDRIA, VIRGINIA 22314
<b>ATTORNEY DOCKET NUMBER:</b>	466092US
<b>NAME OF SUBMITTER:</b>	CHLOE CAMERON
<b>SIGNATURE:</b>	/Chloe Cameron/
<b>DATE SIGNED:</b>	02/01/2017
<b>Total Attachments: 2</b>	
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ASSIGNMENT

WHEREAS, Sony Corporation, having a place of business at 1-7-1 Konan, Minato-ku, Tokyo 108-0075, Japan, a corporation organized and existing under the laws of the Country of Japan, is the exclusive owner, by assignment, of the application for letters patent of the United States of America Application No. 15/048730 filed Feb 19, 2016 and

WHEREAS, Sony Mobile Communications Inc., having a place of business at 4-12-3, Higashi-Shinagawa, Shinagawa-ku, Tokyo 140-0002 Japan, a corporation organized and existing under the laws of the Country of Japan (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring right, title and interest in and to said Listed Patents, the invention described therein, and in and to any and all divisions, continuations, reissues, substitutions and renewals thereof anywhere in the world;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00) and other valuable consideration, the receipt of which is hereby acknowledged, Sony Corporation by these presents do sell, assign and transfer unto said ASSIGNEE right, title and interest in and to the aforesaid Listed Patents, the invention described therein and in and to any and all divisions, continuations, reissues, substitutions and renewals thereof.

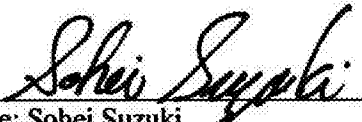
Sony Corporation hereby authorizes and requests that the USPTO, or other relevant Patent Offices worldwide, assign any and all of said Listed Patents, jointly to said ASSIGNEE as an assignee of right, title and interest, for the use and benefit of said ASSIGNEE, its successors and assigns, to the full end of the term for which said Listed Patents may be granted, to the extent hereby assigned. Sony Corporation shall remain the

first named assignee for the Listed Patents, and ASSIGNEE shall be named as second assignee.

IN TESTIMONY WHEREOF, Sony Corporation has caused these presents to be signed by its officer hereunto duly authorized.

SONY CORPORATION

Date: December 19<sup>th</sup>, 2016

By:   
Name: Sohei Suzuki  
Title: Senior General Manager  
Intellectual Property Division  
Sony Corporation