PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MASAKI KITANO	12/22/2009
KAZUMOTO KONDO	01/05/2010
TOSHIHIDE HAYASHI	01/05/2010
GEN ICHIMURA	01/05/2010

RECEIVING PARTY DATA

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Street Address:	1-7-1 KONAN, MINATO-KU
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State/Country:	JAPAN
Postal Code:	108-0075

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15345977

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ATTORNEY DOCKET NUMBER:	SONYJP 3.3-1870 CCC	
NAME OF SUBMITTER:	MELINDA C. CORMIER	
SIGNATURE:	/Melinda C. Cormier/	
DATE SIGNED:	11/09/2016	

Total Attachments: 2

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> **PATENT** REEL: 040269 FRAME: 0617 504088589

Docket No.: SONYJP 3.3-1870 Sony Ref. No.: S09P0376US00

ASSIGNMENT

WHEREAS, I, as a below named inventor, residing at the address stated next to my name, am a sole inventor (if only one name is listed below) or a joint inventor (if plural names are listed below) of certain new and useful improvements in:

TRANSMISSION DEVICE AND RECEPTION DEVICE

for which an International Application was filed on 05 March 2009, PCT/JP2009/054193, designating the United States,

AND WHEREAS, Sony Corporation, a Japanese corporation with offices at 1-7-1, Konan, Minato-ku, Tokyo, Japan (hereinafter referenced as ASSIGNEE) is desirous of acquiring all interest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or similar legal protection which may be granted therefor in the United States and in any and all foreign countries;

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, as a sole or joint inventor as indicated below, by these presents do hereby assign, sell and transfer unto the said ASSIGNEE, its successors, assigns, and legal representatives, my entire right, title and interest in the said invention, said application, including any divisions and continuations thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to any and all priority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and to any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue the said United States Letters Patent to said ASSIGNEE, as the assignee of the whole right, title and interest thereto;

And I further agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or its designee, as ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without further remuneration, in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of the United States and countries foreign thereto;

And I further agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for application for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid invention, as the ASSIGNEE thereof shall hereafter require and prepare at its own expense;

And I further agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will testify as to the same in any interference or litigation related thereto;

entor	Execution Date of U.S. Patent Application
ignment executed on the dates indicated below.	
	r:; Filing Date:
ereby authorize and request my attorney(s) of record	in this application to insert the application numbe
with this assignment and sale.	n encumorance has been of whi be made of entered
l	<u> </u>

Dec 22 PATENT

Masaki Kitano

Docket No.: SONYJP 3.3-1870 Sony Ref. No.: S09P0376US00

Page 2

Kazumoto KONDO	
Name of Second Joint Inventor	
	Execution Date of U.S. Patent Application
<u>Tokyo, Japan</u>	
Residence of Second Joint Inventor	
Signature of Second Joint Inventor	Tan 6 2010
Signature of Second Joint Inventor	D 0000
	Date of this Assignment
Toshihide HAYASHI	
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Kanagawa, Japan	
Residence of Third Joint Inventor	
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Signature of Third Joint Inventor	The second secon
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Glar ochimora	*X************************************
	Jan 5,2010
ignature of Fourth Joint Inventor	Date of this Assignment
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PATENT REEL: 040269 FRAME: 0619

RECORDED: 11/09/2016