502120795 11/07/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Keigo Bunson	10/26/2012
Hiroaki Nakano	10/26/2012
Tomomichi Murakami	10/30/2012
Shinichi Fukuda	10/26/2012

RECEIVING PARTY DATA

Name:	Sony Corporation
Street Address:	1-7-1 Konan, Minato-ku
City:	Tokyo
State/Country:	JAPAN

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13671062

CORRESPONDENCE DATA

Fax Number: 3128767934

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 3128767925

Email: patents@snrdenton.com Correspondent Name: SNR DENTON US LLP Address Line 1: P.O. BOX 061080

Address Line 4: CHICAGO, ILLINOIS 60606-1080

ATTORNEY DOCKET NUMBER:	09792909-8882
NAME OF SUBMITTER:	David R. Metzger
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 4

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> **PATENT REEL: 029257 FRAME: 0520**

502120795

Attorney Docket No.: 09792909-8882 Sony Ref. No.: SP337501US00

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

Title of Invention TRANSMISSION SYSTEM, AND DETECTING METHOD
As the below named inventor, I hereby declare that:
This declaration is directed to:
United States application or PCT international application number
filed on
The above-identified application was made or authorized to be made by me.
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application. WHEREAS, SONY CORPORATION with offices at
1-7-1 KONAN, MINATO-KU, TOKYO, 108-0075, JAPAN (hereinafter referred to 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 by these presents do hereby assign, sell and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, the entire right, title and interest in 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 said United States Letters Patent to said ASSIGNEE, as the assignce 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 said 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;
And I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both,
LEGAL NAME OF INVENTOR
Inventor: KEIGO BUNSEN Date: October 26,2012
Signature: Keigo Bunsen

PAGE 2/5 * RCVD AT 10/31/2012 3:36:01 AM [Central Daylight Time] * SVR:GMTPRF01/16 * DNIS:4776 * CSID:81367

PATENT

Attorney Docket No.: 09792909-8882 Sony Ref. No.: SP337501US00

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NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, of which are hereby acknowledged. I by these presents do hereby assign, sell and transfer unto said ASSIGNEE, it legal representatives, the entire right, title and interest in said invention, said application, including any divisions and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said any and all priority rights and/or convention rights under the International Convention for the Protection of Industrial Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the adheres, and to any other benefits accruing or to accrue to me with respect to the filling of applications for patents or United States and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to Issue Patent to said ASSIGNEE, as the assignce of the whole right, title and interest thereto;	ts successors, assigns, and continuations thereof, and id invention, and in and to 1 Property, Inter-American United States of Americans securing of patents in the
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And I further agree to properly execute and deliver and without further remuneration, such necessary or desiral application for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue Patent which may be granted for my aforesaid invention, as said ASSIGNEE thereof shall hereafter require and prepared.	or reissues of any Letters
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And I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into this assignment and sale.	which would conflict with
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 b not more than five (5) years, or both.	y fine or imprisonment of
LEGAL NAME OF INVENTOR	/ /-
Inventor: HIROAKI NAKANO Date: October	26. 20/2
Signature: Hivoali / Vakano	

PATENT

Attorney Docket No.: 09792909-8882 Sony Ref. No.: \$P337501US00

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

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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 by these presents do hereby assign, sell and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, the entire right, title and interest in 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 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;
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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;
And I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.
LEGAL NAME OF INVENTOR
Inventor: TOMOMICHI MURAKAMI Date: October, 30, 20(2
Signature: Tomomichi Murakami

Attorney Docket No.: 09792909-8882 Sony Ref. No.: SP337501US00

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

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I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (3) years, or both.	
LEGAL NAME OF INVENTOR	\neg
Inventor: SHINICHI FUKUDA Date: October 26, 2012	
Signature: Strinich Fukuda	

PATENT REEL: 029257 FRAME: 0524

RECORDED: 11/07/2012