### 503381023 07/07/2015

### **PATENT ASSIGNMENT COVER SHEET**

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3427645

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
KAZUYUKI SAKODA	06/10/2015
YOICHIRO SAKO	07/01/2015
TAKATOSHI NAKAMURA	06/11/2015
MICHIHIRO KOBAYASHI	07/01/2015
KAZUHIRO WATANABE	07/03/2015

#### **RECEIVING PARTY DATA**

Name:	SONY CORPORATION
Street Address:	1-7-1 KONAN, MINATO-KU
City:	TOKYO
State/Country:	JAPAN
Postal Code:	108-0075

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	14653509

#### **CORRESPONDENCE DATA**

**Fax Number:** (858)942-7120

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.

**Phone:** 858-942-3460

**Email:** EVS@am.sony.com

Correspondent Name: SONY CORPORATION OF AMERICA

Address Line 1: 16530 VIA ESPRILLO

Address Line 2: MZ 1036

Address Line 4: SAN DIEGO, CALIFORNIA 92127

Tatal Attaches 5	
DATE SIGNED:	07/07/2015
SIGNATURE:	/Megumi Tadenuma/
NAME OF SUBMITTER:	MEGUMI TADENUMA
ATTORNEY DOCKET NUMBER:	SP350442US00

Total Attachments: 5

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Attorney Docket No.: Sony Ref. No.: SP350442US00

## 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	INFORMATION PROCESSING DEVICE, METHOD AND NON-TRANSITORY COMPUTER READABLE MEDIUM
As the below	named inventor, I hereby declare that:
This declarati	The attrohad amplication as
	United States application or PCT international application number PCT/JP2013/006337 filed on 2013/10/25
The above-id	entified application was made or authorized to be made by me.
	I am the original inventor or an original joint inventor of a claimed invention in the application.  SONY CORPORATION , with offices at
	NAN, MINATO-KU, TOKYO, 108-0075, JAPAN (hereinafter referred to as ASSIGNEE), is desirous of
	interest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or similar on which may be granted therefor in the United States and in any and all foreign countries;
of which are legal represer in and to any any and all propertion and the convention adheres, and United States	EFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency hereby acknowledged, I by these presents do hereby assign, sell and transfer unto said ASSIGNEE, its successors, assigns, and tatives, the entire right, title and interest in said invention, said application, including any divisions and continuations thereof, and and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to iority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America 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 and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue said United States Letters 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;	
application for	agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for reforeign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Letters may be granted for my aforesaid invention, as said ASSIGNEE thereof shall hereafter require and prepare at its own expense;
application, s	agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said aid invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will be same in any interference or litigation related thereto;
And I hereby this assignme	covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with nt and sale.
	owledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of five (5) years, or both.
LEGAL NAN	IE OF INVENTOR
Inventor:	KAZUYUKI SAKODA Date: Duhe 10, 2015
Signature:	Bayiyalir Bulanca
***************************************	

Attorney Docket No.: Sony Ref. No.: SP350442US00

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

	INFORMATION PROCESSING DEVICE, METHOD AND NON-TRANSITORY
Title of	COMPUTER READABLE MEDIUM
Invention	
As the below n	amed inventor, I hereby declare that:
This declaration	The siteched application, or
is directed tre	from any married administration to
	Si United States application or PCT international application number PCT/IP2013/006337
	Shed on 2013/10/25
The above-ide	ntified application was made or authorized to be made by mg.
I believe that I	are the original investor or an original joint inventor of a claimed invention in the application.
SCHEDULAS	SONY CORPORATION
1-7-1 KO	NAN, MINATO-KU, TOKYO, 108-0075, JAPAN (bereinsefter referred to as ASSIGNEE), is desirous of
acquiring all is	sterest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Paten) or similar a which may be gramed therefor in the United States and in any and all foreign countries;
of which are h legal represent in and to any a say and all pri- Convention Re adheres, and to United States;	FORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency areby acknowledged, I by these presents do hereby assign, sell and transfer unio said ASSIONEE, its successors, assigns, and atives, the entire right, title and interest in said invention, said application, including any divisions and continuations thereof, and add Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to ority rights antifor convention rights under the Internetional Convention for the Protection of Industrial Property, Inter-American dating to Patents. Designs and Industrial Models, and any other international agreements to which the United States of America only other benefits accruing or to accrue to use with respect to the filling of applications for patents or securing of patents in the and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue said United States Letters ASSIGNEE, as the assignee of the whole right, title and interest thereto.
designee, as / remuneration,	agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or its vSSIGNEE or its accessors, assigns and legal representatives may from time-to-time present to me and without further in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of example foreign thereto;
application for	again to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Letters my be granted for my aforesaid invention, as said ASSIGNEE thereof shall hereafter require and prepare in its own expense.
аррисаціов, за	agree that ASSENEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said id invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will same in any interference or litigation related therein:
And Uncreby a this assignmen	oversist that no assignment, sale, agreement or encumbrance has been or will be usade or entered into which would conflict with t and sale.
I hereby acknow not more than t	wiedge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of live (5) years, or both.
LEGAL NAM	E OF ISVENTOR
Inventor:	YOICHIRO SAKO Date: July 1, 2015
Signature:	- Line to the second of the se

Attorney Docket No.: Sony Ref. No.: SP350442US00

# 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	INFORMATION PROCESSING DEVICE, METHOD AND NON-TRANSITORY COMPUTER READABLE MEDIUM
As the below	named inventor, I hereby declare that:
This declaration is discovered to:	3. Expression and another than the
	United States application or PCT international application number PCT/JP2013/006337  filed on2013/10/25
The above-id	suffied application was made or authorized to be made by me.
NOTE DESCRIPTION OF	am the original inventor or an original joint inventor of a claimed invention in the application. SONY CORPORATION with offices #
acquiring all	MAN, MINATO-KU, TOKYO, 108-0075, JAPAN (hereinafter referred to as ASSIGNED), is desirous of merest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or similar on which may be granted therefor in the United States and in any and all fureign countries:
of which are legal represer in and to any any and all pr Convention I adheres, and United States	FORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency bereby acknowledged, I by these presents do hereby assign, self and transfer unto said ASSIGNEE, its successors, assigns, and tatives, the entire right, title and interest in sold invention, said application, including any divisions and continuations thereof, and and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to foreign the analysis and industrial Models, and any other international agreements to which the United States of American elating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of American elating to Patents according or to account on metaltic respect to the filling of applications for patents or securing of patents in the analytic and thereby authorize and request the Commissioner of Patents to issue said United States Letters ASSIGNEE, as the assignee of the whole right, title and interest thereto:
designee, as remineration	agree to execute all necessary or desirable and lawful fature documents, including assignments in favor of ASSIGNEE or its ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to the and without further in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of this and countries foreign thereto;
application is	bgree to properly execute and deliver and without further nanuneration, such necessary or desirable and lawful papers for a foreign parents, for filling subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Letters may be granted for my aliaesuid invention, as said ASSIGNEE thereof shall hereafter require and prepare at its own expense;
application, s	agree that ASSKiNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said and invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will be same in any interference or liftgation related thereto;
And I hereby this assignme	covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with not and sale.
	ov/ledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of five (5) years, or both.
LEGALNAN	E OF INVENTOR
Inventor:	TAKATOSHI NAKAMURA Dave Johe 7.05
Signature: _	Jakerty / Woman

Attorney Docket No.: Susty Ref. No.: SP350442US00

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

litke of Invention	INFORMATION PROCESSING DEVICE, METHOI COMPUTER READABLE MEDIUM	D AND NON-TRANSITORY
As the below	named inventor, I hereby declare that:	
This declarati	( ) Chin interest and animilar and animal	
	United States application of PCT international application of filed on 2013/10/25	umber PCT/JP2013/006337
The above-ide	entified application was made or authorized to be made by me.	
I believe that WHEREAS,	I am the original inventor or an original joint inventor of a claimed inventor SONY CORPORATION	in the application. , with offices at
1-7-1 KC	NAN, MINATO-KU, TOKYO, 108-0075, JAPAN	(hereinafter referred to as ASSIGNEE), is desirous of
	interest in, to and under said invention, said application disclosing the inventi on which may be granted therefor in the United States and in any and all forcip	
of which are legal represent in and to any any and all pr Convention B adheres, and United States Farent to said	EFORE, in consideration of the sum of One Dollar (\$1.00), and other good an hereby acknowledged. I by these presents do hereby assign, sell and transfermatives, the entire right, title and interest in said invention, said application, in and all Letters Patent of the United States, and countries foreign thereto, wherein rights and/or convention for the delating to Patenta, Designs and Industrial Models, and any other international convention to any other benefits occurring or to accurate me with respect to the filling of and countries foreign thereto, and I hereby authorize and request the Countries (ASSIGNEE, as the assignce of the whole right, title and interest thereto;	ir unto said ASSIGNEE, its successors, assigns, and schuding any divisions and continuations thereof, and eich may be granted for said invention, and in and to the Protection of Industrial Property, Inter-American al agreements to which the United States of America applications for patents or scenting of patents in the issioner of Patents to issue said United States Letters
designee, as remaneration.	r agree to execute all necessary or desirable and lawful future documents, in ASSIGNEE, or its successors, assigns and legal representatives may from , in order to perfect title in said invention, modifications, and improvements uses and countries foreign thereto;	m time-to-time present to use and without further
application fo	r agree to properly execute and deliver and without further remuneration, or foreign patents, for filing subdivisions of said application for patent, and or may be granted for my aforesaid invention, as said ASSIGNEE thereof shall f	t, for obtaining any reisone or reisones of any Letters
application, s	r agree that ASSIGNEE will, upon its namest, he provided promptly with said invention and said Letters Patent and legal equivalents in fineign countr be same in any interference or Higation related thereto;	all pertinent facts and documents relating to said ies as may be known and accessible to me and will
And I hereby this assignme	covenant that no assignment, sale, agreement or encumbrance has been or or int and sale.	If he made or entered into which would conflict with
I hereby acknowledge that	www.lodge that any willful false statement made in this declaration is punishab a five (5) years, or both.	de under 18 U.S.C. 1001 by fine or imprisonment of
LEGAL NAN	ME OF INVENTOR	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
Inventor:	MICHIHIRO KOBAYASHI	Date: UNIVIO
Signature:	Milikory Klayraki	

Afterney Docket No.: Sany Bell No.: SP350442US00

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

INFORMATION PROCESSING DEVICE, METHOD AND NON-TRANSITORY  Title of COMPUTER READABLE MEDIUM
Invention Court to A to A to Constitution of the Constitution of t
As the below named inventor, I hereby declare that:
This declaration is directed to:
United States application or PCT international application number PCT/JP2013/006337 filed on2013/10/25
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 bereby 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 Pricent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to any and all priority rights under 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 filling 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 remaneration, in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of the United States and countries fureign 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 bereafter require and prepare at its own expense:
And I further agree that ASSIGNEE will, upon its request, be provided paintptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and logal equivalents in foreign countries as may be known and accessible to me and will testify us to the same in any interference or fitigation related thereto;
And I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or covered 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 (3) years, or both.
LEGAL NAME OF INVENTOR
Inventor: Kazuhiro Watanabe Date: July 1, 20/5
Symme Kozphing Watanale

PATENT REEL: 036006 FRAME: 0832

**RECORDED: 07/07/2015**