PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT2859159

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SHINICHIRO GOMI	11/11/2013
TAKESHI KOGA	05/01/2014
AKARI HOSHI	11/13/2013
MANABU KII	11/13/2013
RYUICHI NAMBA	11/14/2013

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:	14147862

CORRESPONDENCE DATA

Fax Number: (703)413-2220

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via

US Mail.

Phone: (703) 413-3000

Gtesfaye@oblon.com Email: **Correspondent Name:** OBLON, SPIVAK, ET AL. Address Line 1: 1940 DUKE STREET

Address Line 4: ALEXANDRIA, VIRGINIA 22314

ATTORNEY DOCKET NUMBER:	422998US8
NAME OF SUBMITTER:	GENET TESFAYE
SIGNATURE:	/Genet Tesfaye/
DATE SIGNED:	05/16/2014
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 5

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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	METHOD, AND PROGRAM
As the below	named inventor, I hereby declare that:
This declarati	X The assached minimum or
	United States application or PCT international application number
	filed on
The above-id	entified application was made or authorized to be made by me.
	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;
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;	
designee, as remuneration	agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or its ASSIGNEE or its successors, 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 ates and countries foreign thereto;
application for	r agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for or foreign patents, for filling 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	r 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.
	towledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of a five (5) years, or both.
LEGAL NAM	ME OF INVENTOR
Inventor:	SHINICHIRO GOMI Date: November 11, 2013
Signature:	Stringhuo Jami

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 APPARATUS, INFORMATION PROCESSING METHOD, AND PROGRAM
As the below	named inventor, I hereby declare that:
This declarat	The attached application, of
	United States application or PCT international application number 14/147862
	filed on January 6, 2014
	dentified 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. , with offices at
WHEREAS	SONY CORPORATION
1-7-1 K	ONAN, MINATO-KU, TOKYO, 108-0075, JAPAN (hereinafter referred to as ASSIGNEE), is desirous of linterest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or similar tion which may be granted therefor in the United States and in any and all foreign countries;
NOW THE of which ar legal repres in and to ar any and all Convention adheres, am United Stat	REFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency to hereby acknowledged. I by these presents do hereby assign, sell and transfer unto said ASSIGNEE, its successors, assigns, and entatives, the entire right, title and interest in said invention, said application, including any divisions and continuations thereof, and any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to priority 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 do any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the do any other benefits accruing or to accrue to me with respect to the filing of applications for patents to issue said United States Letters and ASSIGNEE, as the assignee of the whole right, title and interest thereto;
designee, remunerati	ner agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or its as ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without further on, in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of States and countries foreign thereto;
application Patent wh	ther agree 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 in the foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Letters in the foreign patents of the patents o
applicatio	ther agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will on the same in any interference or litigation related thereto;
this assign	eby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with ment and sale.
I hereby a	icknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of than five (5) years, or both.
LEGAL 1	TAKESHI KOGA Date: May 1st 20/4
Inventor:	TAKESHI KOGA Date: They ist
Signature	Jakeshi trogal

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 APPARATUS, INFORMATION PROCESSING METHOD, AND PROGRAM
As the below	named inventor, I bereby declare that:
This declarati	X The etteched confidence
	United States application or PCT international application number
	filed on
The above-id	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 invention in the application. SONY CORPORATION , with offices at
	NAN, 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 on which may be granted therefor in the United States and in any and all foreign countries;
of which are legal represent in and to any any and all p Convention I 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 natives, 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 riority 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 I ASSIGNEE, as the assignee of the whole right, title and interest thereto;
designee, as remuneration	r agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or its ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without further i, in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of ates and countries foreign thereto;
application fo	r agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for or foreign 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	r agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will he 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 ent and sale.
	nowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of in five (5) years, or both,
LEGAL NA!	ME OF INVENTOR
Inventor:	AKARI HOSHI Date: November 12, 2013
Signature:	Di 1di

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	NFORMATION PROCESSING APPARATUS, INFORMATION PROCESSING METHOD, AND PROGRAM	
As the below nar	med inventor, I hereby declare that:	
This declaration is directed to:	X The actualization of	
	United States application or PCT international application number	
	filed on	
The above-identi	ified application was made or authorized to be made by me.	
	m the original inventor or an original joint inventor of a claimed invention in the application. SONY CORPORATION , with offices at	
*	AN, MINATO-KU, TOKYO, 108-0075, JAPAN (hereinafter referred to as ASSIGNEE), is desirous of	
	erest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or similar which may be granted therefor in the United States and in any and all foreign countries;	
of which are her legal representat in and to any an- any and all prior Convention Rela adheres, and to a United States an	ORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency reby acknowledged. I by these presents do hereby assign, sell and transfer unto said ASSIGNEE, its successors, assigns, and lives, the entire right, title and interest in said invention, said application, including any divisions and continuations thereof, and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American ating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the decountries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue said United States Letters SSIGNEE, as the assignee of the whole right, title and interest thereto;	
designee, as AS remuneration, in	gree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or its SSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without further a order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of s and countries foreign thereto;	
application for fo	gree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for oreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Letters by be granted for my aforesaid invention, as said ASSIGNEE thereof shall hereafter require and prepare at its own expense;	
application, said	gree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said I 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 thereto;	
And I hereby co- this assignment:	venant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with and sale.	
~	riedge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of ve (5) years, or both.	
LEGAL NAME	OF INVENTOR	
Inventor: N	1ANABUKII Date: November 13, 2013	
Signature:	mangle Idir	

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 METHOD, AND PROGRAM INFORMATION PROCESSING APPARATUS, INFORMATION PROCESSING
As the below named inventor, I hereby declare that:
This declaration is directed to: The attached application, or
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 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 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: RYUICHI NAMBA Date: November 14, 2013
Signature: Ryuchi Namba

RECORDED: 05/16/2014