PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4728163

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SHIGEFUMI TAMURA	11/22/2017
RYOSUKE NOMURA	11/29/2017
TETSUO IKEDA	11/30/2017

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:	15735466

CORRESPONDENCE DATA

Fax Number: (703)935-8473

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: 571-313-7556 Email: mail@paratus.law

PARATUS LAW GROUP, PLLC Correspondent Name:

Address Line 1: 1765 GREENSBORO STATION PLACE

Address Line 2: **SUITE 320**

Address Line 4: TYSONS CORNER, VIRGINIA 22102

ATTORNEY DOCKET NUMBER:	1946-1025
NAME OF SUBMITTER:	LENNY R. JIANG
SIGNATURE:	/Lenny R. Jiang/
DATE SIGNED:	12/11/2017
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 3

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Attorney Docket No.: Sony Ref. No.: SP358534US00

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, INFORMATION PROCESSING METHOD, AND PROGRAM
As the below	named inventor, I hereby declare that:
This declarati	3 996 3 4 3 4 3 9 3 3
	United States application or PCT international application number PCT/JP2016/065029 filed on 2016/05/20
The above-ide	milfied application was made or authorized to be made by me.
WHEREAS,	am the original inventor or an original joint inventor of a claimed invention in the application. SONY CORPORATION , with offices at
1-7-1 KO	NAN, MINATO-KU, TOKYO, 108-0075, JAPAN (hereinafter referred to as ASSIGNEE), is destinus of
acquiring all i legal protection	nterest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or similar in 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 procession R adheres, and a United States Patent to said And I further designee, as remuneration,	FORE, 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 taitives, 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 contribute and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American eliating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America or 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 assignce of the whole right, title and interest thereto; 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 tes 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 ackno not more than	owledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by line or imprisonment of five (5) years, or both.
LEGAL NAM	E OF INVENTOR
	SHIGEFUMITAMURA Date: November 22, 2017
Signature:	Myrkin Lines.

Attorney Ducket No.: Sony Ref. No.: SP358534US00

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, INFORMATION PROCESSING METHOD, AND PROGRAM	
As the below named inventor, I hereby declare that:		
This declarati	The attached application, or	
	United States application or PCT international application number PCT/JP2016/065029 filed on 2016/05/20	
The above-ide	ntified application was made or authorized to be made by me.	
I believe that : WHEREAS,	am the original inventor or an original joint inventor of a claimed invention in the application. SONY CORPORATION, with offices at	
<i>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</i>	NAN, MINATO-KU, TOKYO, 108-0075, JAPAN (hercinafter referred to as ASSIGNEE), is desirous of	
	nterest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or similar n which may be granted therefor in the United States and in any and all foreign countries;	
of which are it legal represent in and to any any and all price Convention R. adheres, and the United States	FORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency percept acknowledged. I by these presents do hereby assign, sell and transfer unto said ASSIGNEE, its successors, assigns, and attives, 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 only rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American elating 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 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 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 tes and countries foreign thereto;	
application for	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 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.		
	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 NAM	E OF INVENTOR	
Inventor:	RYOSUKE NOMURA Dete: November 29,2017	
Signature: _	73, 1-1/10	

Afterney Bocket No.: Sony Ref. No.: SP358534US00

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, INFORMATION PROCESSING METHOD, lavention AND PROGRAM	
As the below named inventor, I kereby declare that:	
This declaration The attached application, or s directed to:	
United States application or PCT international application number PCT/JP2016/065029 filed on 2016/05/20	
The above-identified application was made or authorized to be made by me.	
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	
equiring all interest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or similar egal 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 egal representatives, the emire 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 my 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 deheres, and to any other benefits accruing or to accuse to me with respect to the filing of applications for patents or securing of patents in the Interest the International Commissioner of Patents to issue said United States Letters are countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue said United States Letters are 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 lesignee, as ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without further emuneration, 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 stated 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 his assignment and sale.	
hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of or more than five (5) years, or both.	
LEGAL NAME OF INVENTOR	
iventor: TETSUO IKEDA Date: 100 JO 120 // .	
ignature: <u>Ithur Itada</u>	

PATENT REEL: 044828 FRAME: 0852

RECORDED: 12/11/2017