### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT5682407

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
TAKESHI OGITA	07/23/2019
IKUO YAMANO	07/25/2019
RYO YOKOYAMA	07/25/2019

#### **RECEIVING PARTY DATA**

Name:	SONY CORPORATION
Street Address:	1-7-1 KONAN
Internal Address:	MINATO-KU
City:	TOKYO
State/Country:	JAPAN
Postal Code:	1080075

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

Property Type	Number
Application Number:	16488159

#### **CORRESPONDENCE DATA**

Fax Number: (312)803-4960

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.

Email: docketing@chiplawgroup.com

**Correspondent Name:** CHIP LAW GROUP Address Line 1: 155 N WACKER DR

Address Line 2: **SUITE 4250** 

Address Line 4: CHICAGO, ILLINOIS 60606

ATTORNEY DOCKET NUMBER: SP368195US00	
NAME OF SUBMITTER:	PRAMOD CHINTALAPOODI
SIGNATURE:	/Pramod Chintalapoodi/
DATE SIGNED:	08/22/2019

#### **Total Attachments: 3**

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> **PATENT** REEL: 050155 FRAME: 0017 505635601

Attorney Docket No.: Sony Ref. No.: SP368195US00

# 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 PROCESSING METHOD, AND PROGRAM  INPUT DEVICE, INFORMATION PROCESSING DEVICE, INFORMATION
As the below named inventor, Phereby declare that:
This declaration is directed to:  The assached application, or
United States application or PCT international application number PCT/JP2018/003164 filed on 2018/01/31  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 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 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: TAKESHI OGITA Dete: 2019/7/23
Signature: Taleesh: 03749

PATENT REEL: 050155 FRAME: 0018

Attorney Docket No.: Sony Ref. No.: SP368195US00

### 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	INPUT DEVICE, INFORMATION PROCESSING D PROCESSING METHOD, AND PROGRAM	EVICE, INFORMATION
As the below	y named inventor, I hereby declare that:	
This declarati	The attached resilientian on	
The share of	United States application or PCT international application in filed on 2018/01/31.  dentified application was made or authorized to be made by me.	umber PCT/JP2018/003164
		No. d. 1990. Youngs: 1
1	it I am the original inventor or an original joint inventor of a claimed invention SONY CORPORATION	in the application. , with offices at
1		(hereinafter referred to as ASSIGNEE), is desirous of
	I interest in, to and under said invention, said application disclosing the inventi- tion which may be granted therefor in the United States and in any and all forci-	
of which are legal represer in and to any any and all p Convention F adheres, and United States Patent to said And I further	REFORE, in consideration of the sum of One Dollar (\$1.00), and other good and a hereby acknowledged. I by these presents do hereby assign, sell and transferentatives, the entire right, title and interest in said invention, said application, in y and all Letters Patent of the United States, and countries foreign thereto, which priority rights and/or convention rights under the International Convention for the Relating to Patents, Designs and Industrial Models, and any other international to any other benefits accruing or to accrue to me with respect to the filting of and countries foreign thereto, and I hereby authorize and request the Committed ASSIGNEE, as the assignee of the whole right, title and interest thereto; are agree to execute all necessary or desirable and lawful future documents, in	r unto said ASSIGNEE, its successors, assigns, and including any divisions and continuations thereof, and ich may be granted for said invention, and in and to the Protection of Industrial Property, Inter-American if agreements to which the United States of America applications for putents or securing of patents in the ssioner of Patents to issue said United States Letters including assignments in favor of ASSIGNEE or its
remuneration	s ASSIGNEE or its successors, assigns and legal representatives may from in, in order to perfect title in said invention, modifications, and improvements states and countries foreign thereto;	
application fo	her agree to properly execute and deliver and without further remaneration, for foreign patents, for filing subdivisions of said application for patent, and on h may be granted for my aforesaid invention, as said ASSIGNEE thereof shall I	, for obtaining any reissue or reissues of any Letters
application, s	er agree that ASSIGNEE will, upon its request, be provided promptly with said invention and said Letters Patent and legal equivalents in foreign countr the same in any interference or litigation related thereto;	
And I hereby this assignme	y covenant that no assignment, sale, agreement or encumbrance has been or wi ient and sale.	If be made or entered into which would conflict with
	enowledge that any willful false statement made in this declaration is punishab an five (5) years, or both.	le under 18 U.S.C. 1001 by fine or imprisonment of
LEGAL NAM	IME OF INVENTOR	
loventor:	IKUO YAMANO	Date: July 25, 2019
Signature:	Ikao Yamano	· · · · · · · · · · · · · · · · · · ·

PATENT REEL: 050155 FRAME: 0019

Attorney Docket No.: Sony Ref. No.: SP368195US00

## 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 PROCESSING METHOD, AND PROGRAM  INPUT DEVICE, INFORMATION PROCESSING DEVICE, INFORMATION PROCESSING METHOD, AND PROGRAM	
As the below named inventor, I hereby declare that:	
This declaration	
United States application or PCT international application number PCT/JP2018/003164 filed on 2018/01/31	
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 office	
1-7-1 KONAN, MINATO-KU, TOKYO, 108-0075, JAPAN (hereinafter referred to as ASSIGNEE), is design	
acquiring all interest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or size legal protection which may be granted therefor in the United States and in any and all foreign countries;	nilar
NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficient which are hereby acknowledged. I by these presents do hereby assign, sell and transfer unto said ASSIGNEE, its successors, assigns, legal representatives, the entire right, title and interest in said invention, said application, including any divisions and communitions thereof, 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 an any and all priority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-Amer Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of Ama 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 United States and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue said United States Le Patent to said ASSIGNEE, as the assignee of the whole right, title and interest thereto;	and and id to ican erica i the
And I further agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE c designee, as ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without fur remuneration, in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Pater the United States and countries foreign thereto;	rther
And I further agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful paper application for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Le Patent which may be granted for my aforesaid invention, as said ASSIGNEE thereof shall be eather require and prepare at its own expense;	uers
And I further agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and testify as to the same in any interference or lingation 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 this assignment and sale.	with
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonme not more than five (5) years, or both.	nt of
LEGAL NAME OF INVENTOR	
Inventor: ryo yokoyama Date: 3-6/25-2-6/	
Signature: By y Leyman	

PATENT REEL: 050155 FRAME: 0020

**RECORDED: 08/22/2019**