#### 507331022 06/10/2022

#### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7377945

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
TOMOKO KATSUHARA	02/01/2019
AKIRA EBISUI	02/06/2019
TAIZO NISHIMURA	02/08/2019
KEN KOBAYASHI	02/01/2019
TETSURO GOTO	02/01/2019
YOSHIAKI SAKAKURA	02/01/2019
KEI TSUKAMOTO	02/01/2019
HAYATO HASEGAWA	02/06/2019
MANAMI MIYAWAKI	02/13/2019

#### **RECEIVING PARTY DATA**

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

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

Property Type	Number
Application Number:	17838111

#### **CORRESPONDENCE DATA**

Fax Number:

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: sony@sheridanross.com
Correspondent Name: SHERIDAN ROSS P.C.
Address Line 1: 1560 BROADWAY

Address Line 2: SUITE 1200

Address Line 4: DENVER, COLORADO 80202

ATTORNEY DOCKET NUMBER: 6810-1162-CON

NAME OF SUBMITTER: ALISON J. MOY

PATENT 507331022 REEL: 060173 FRAME: 0080

SIGNATURE:	/Alison J. Moy/	
DATE SIGNED:	06/10/2022	
Total Attachments: 9		
source=20220610_Declaration-Assignm	ents_6810-1162-CON#page1.tif	
source=20220610_Declaration-Assignments_6810-1162-CON#page2.tif		
source=20220610_Declaration-Assignments_6810-1162-CON#page3.tif		
source=20220610_Declaration-Assignm	ents_6810-1162-CON#page4.tif	
source=20220610_Declaration-Assignm	ents_6810-1162-CON#page5.tif	
source=20220610_Declaration-Assignm	ents_6810-1162-CON#page6.tif	
source=20220610_Declaration-Assignm	ents_6810-1162-CON#page7.tif	
source=20220610 Declaration-Assignm	nents 6810-1162-CON#page8.tif	

source=20220610\_Declaration-Assignments\_6810-1162-CON#page9.tif

Attorney Docket No.: Suny Ref. No.: SP367704US00

### 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	SENSOR, INPUT DEVICE, AND ELECTRONIC APPARATUS		
As the below	As the below named inventor, I hereby declare that:		
This declarati	l l min din Madinana Madinana Madinana		
	United States application or PCT international application number PCT/JP2017/033355  filed on 2017/09/14		
	emified 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		
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 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 pr 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 itority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American telating 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;		
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 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 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 mt and sale.		
	sowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1901 by fine or imprisonment of a five (5) years, or both.		
LEGAL NA	ME OF INVENTOR		
Inventor:	TOMOKO KATSUHARA Date: Tebruary 1, 2019		
Signature: _	Jemoko Katsukara		

Attorney Docket No.: Sony Ref. No.: SP367704US00

#### 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	SENSOR, INPUT DEVICE, AND ELECTRONIC APPARATUS
As the below r	named inventor, I hereby declare that:
This declaration is directed to:	The attached application, or
	United States application or PCT international application number PCT/JP2017/033355  filed on 2017/09/14
The above-ide	ntified 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
	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 I legal represent in and to any a any 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 perchy acknowledged, I by these presents do hereby assign, sell and transfer unto said ASSIGNEE, its successors, assigns, and aftives, 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 ority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American clating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of American party 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;
application, sa	agree that ASSIGNEE 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 committee as may be known and accessable to me and will exame in any interference or litigation related thereto;
And I hereby of this assignment	covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with at 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.	AKIRA EBISUI Date: February 6, 20/9
Signature:	Alam Ebisui

Attorney Docket No.: Sony Ref. No.: SP367704US00

### 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	SENSOR, INPUT DEVICE, AND ELECTRONIC APPARATUS	
As the below	named inventor, I hereby declare that:	
This declaration is directed to:	The disentent matine in a	
	United States application or PCT international application number PCT/JP2017/033355 filed on 2017/09/14	
The above-ide	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	
1-7-1 KO	NAN, MINATO-KU, TOKYO, 108-0075, JAPAN (hereinafter referred to as ASSIGNEE), is desirous of	
acquiring all i legal protection	interest 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;	
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 accruze 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 see and countries foreign thereto;	
application for	ragree to properly execute and deliver and without further remaneration, such necessary or desirable and lawful papers for a 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 bereafter 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.	
	owledge that any willful false statement made in this declaration is punishable under (8 U.S.C. 1001 by fine or imprisonment of five (5) years, or both.	
LEGAL NAM	AE OF INVENTOR	
Inventor:	TAIZO NISHIMURA Date: FEbruary 8, 2019	
Signature:	Tailo Nishimura	

Attorney Docket No.: Sony Ref. No.: SP367704U800

### 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	SENSOR, INPUT DEVICE, AND ELECTRONIC APPARATUS	
As the below n	amed inventor, I hereby declare that:	
This declaration is directed to:	The attached application, or	
	United States application or PCT international application number PCT/JP2017/033355  filed on 2017/09/14	
The above-ider	ntified 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	
1-7-1 KON	NAN, MINATO-KU, TOKYO, 108-0075, JAPAN (hereinafter referred to as ASSIGNEE), is desirous of	
acquiring all in legal protection	terest 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;	
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 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 ackno not more than t	wledge 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 NAMI	E OF INVENTOR	
Inventor:	KEN KOBAYASHI Date February 1, 2019	
Signature:	KEN KOBAYASHI	

Attorney Docket No.: Suny Rel No.: SP367704US00

### 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	SENSOR, INPUT DEVICE, AND ELECTRONIC APPARATUS
As the below	named inventor, I hereby declare that:
This declarati	Characters had an a board as an
	United States application or PCT international application number PCT/JP2017/033355 filed on 2017/09/14
	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
1-7-1 KC	NAN, MINATO-KU, TOKYO, 108-0075, JAPAN (hereinafter referred to as ASSIGNEE), is destrous 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 pr Convention F adheres, and United States	before, 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 iority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American telating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America on any other benefits accroing 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 thereor:
designee, as remuneration	agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNLE 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 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 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 NAS	AE OF INVENTOR
Inventor:	TETSURO GOTO         Date:         2019 / 2 / (
Signature,	Tetturo Geto

# 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	SENSOR, INPUT DEVICE, AND ELECTRONIC APPARATUS	
As the below	named inventor, I hereby declare that:	
This declarati	The attached application, or	
	United States application or PCT international application number PCT/JP2017/033355 filed on 2017/09/14	
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	
1-7-1 KC	NAN, MINATO-KU, TOKYO, 108-0075, JAPAN (hereinafter referred to as ASSIGNEE), is desirous of	
acquiring all legal protection	nterest 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;		
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 foreign thereto;		
application for	agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for roreign 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 this assignme	covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with and sale.	
I hereby ackr not more than	owledge 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 NAME OF INVENTOR		
Inventor:	YOSHIAKI SAKAKURA Date: 2019/2/1	
Signature:	YOSHIAKI SAKAKURA	

Attorney Bocket No.: Sony Ref. No.: SP367704US00

## 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	SENSOR, INPUT DEVICE, AND ELECTRONIC APPARATUS	
As the below	named inventor, I hereby declare that:	
This declarati	1 Cross distriction of the control o	
The above-life	United States application or PCT international application number PCT/JP2017/033355 filed on 2017/09/14 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.	
WHEREAS,	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 layor 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 ites and countries foreign thereto;	
application fo	agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for r 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	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 int 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	4E OF INVENTOR	
Inventor:	Kei Tsukamoto Date: 20(9/2/1	
Signature:	Kei Johanoto	

## 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	SENSOR, INPUT DEVICE, AND ELECTRONIC APPARATUS	
As the below named inventor, I hereby declare that:		
This declarati	White attentional manuficiation Con	
Wasankansa Zit	United States application or PCT international application number PCT/JP2017/033355 filed on 2017/09/14	
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		
	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 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 tegal 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 ales 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 inforeign 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 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 emered into which would conflict with nt and sale.	
I bereby 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 NAM	ME OF INVENTOR	
Inventor:	HAYATO HASEGAWA Date: 2019/02/06	
Signature: Nayato Hasegava		

Attorney Docket No.: Sony Ref. No.: SP367704US00

### 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	SENSOR, INPUT DEVICE, AND ELECTRONIC APPARATUS	
As the below named inventor, I hereby declare that:		
This declarati	The Company of the Co	
The above-ide	United States application or PCT international application number PCT/JP2017/033355  filed on 2017/09/14  contified 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 Dullar (\$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 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:	MANAMIMIYAWAKI Done February 13,2019	
Signature:	Manami Nizawaki	

PATENT REEL: 060173 FRAME: 0090

**RECORDED: 06/10/2022**