505101097 09/19/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5147857

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KOSUKE YOSHITOMI	07/18/2018
JUN KIMURA	07/19/2018
TSUBASA TSUKAHARA	07/20/2018
IKUO YAMANO	07/23/2018
KEI TAKAHASHI	08/02/2018
AYUMI KATO	07/31/2018

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:	16086384

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:	SP365615US00
NAME OF SUBMITTER:	PRAMOD CHINTALAPOODI
SIGNATURE:	/Pramod Chintalapoodi/
DATE SIGNED:	09/19/2018

Total Attachments: 6 source=SP365615US00_USFP#page1.tif source=SP365615US00_USFP#page2.tif source=SP365615US00_USFP#page3.tif source=SP365615US00_USFP#page4.tif

source=SP365615US00_USFP#page5.tif

source=SP365615US00_USFP#page6.tif

Attorney Docket No.: Sony Ref. No.: SP365615US(8)

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 declaration is directed to: The attached application, or		
	United States application or PCT international application number PCT/JP2017/004043 filed on2017/02/03		
The above-ide	entified application was made or authorized to be made by mo.		
WHEREAS,	I am the original inventor or an original joint inventor of a claimed invention in the application. SONY CORPORATION With offices at DNAN, MINATO-KU, TOKYO, 108-0075, JAPAN (hereinalist referred to as ASSIGNEE), is desirous of		
acquiring all i	interest in, to and under said invention, said application disclosing the invention and in, to and under any Leiters 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 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, triv and interest thereto.			
designee, as remuneration,	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 logal 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 excuminance 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.			
LEGALNAN	4E OF INVENTOR		
Inventor:	KOSUKE YOSHITOMI Date: July /8, 20/8		
Signature:	Konuke Yndutowi		

Attorney Bocket No.: Sony Bef. No.: SP365615US00

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 declarati	The stracked and corine as	
The decide of	United States application or PCT international application number PCT/JP2017/004043 filed on 2017/02/03 entified application was made or authorized to be made by ms.	
	Lam the original inventor or an original joint inventor of a claimed invention in the application. SONY CORPORATION , with offices at	
1-7-1 KO	SONY CORPORATION , with offices at DNAN, MINATO-KU, TOKYO, 108-0075, JAPAN (hereinafter referred to as ASSIGNEE), is desirous of	
actions in	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 gramed 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 according or to accord 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 remoneration, 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 execuse 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 beteafter 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 brigation 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:	JUNKIMURA Dode: July 19, 2018	
Signature: Jun Kimura		

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 declaration is directed to: The attached application, or		
United States application or PCT international application number PCT/JP2017/004043 filed on 2017/02/03			
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 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;		
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:	TSUBASA TSUKAHARA Date: J. 1/ 20 20/8		
Signature:	Asabasa Tsakahara		

Attorney Docket Na.: Sony Ref. No.: SP365615USOO

DECLARATION (37 CFR L63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR L76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

	INFORMATION PROCESSING APPARATUS, INFORMATION PROCESSING Output Outp		
	As the below named inventor, I hereby declare that:		
	This declaration. S directed in: The strached application, or		
	United States application or PCT international application number PCT/JP2017/004043 filed on 2017/02/03 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 destrous 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 sofficiency 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 commiss foreign thereof, 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 Putent 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 designer, 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 pplication for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Letters are which may be granted for my aforesaid invention, as said ASSIGNEE thereof shall be easter 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 in the same in any interference or litigation related thereto:		
	And Unereby coverage 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 pumishable under 18 U.S.C. 1991 by fine or imprisonment of not more than five (5) years, or both.			
~	EGAL NAME OF INVENTOR		
	averance <u>IKUO YAMANO</u> Date: Var(y 23 , 20 / 8		
	Signature: Iku, a Yan 1974		

Attorney Bocket No.: Sony Ref. No.: SP365615US00

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 i	named inventor. I hereby declare that:		
This declaration is directed to:	m		
	United States application or PCT international application number PCT/JP2017/004043 filed on 2017/02/03		
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 (Descination referred to as ASSIGNEE), is desirous of		
acdanută an n	NAIN, MINATO-R.C., TOR-TO, TOR-9073, JAPAN (Bereinafter referred to as ASSIGNEB), is descrous of 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 onto said ASSIGNEE, its successors, assigns, and legal representatives, the entire right, title and interest in said invention, said application, including any divisions and commissions 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-America a Convention Belating to Patents. Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and to any other henefits 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 auccessors, assigns and legal representatives may from time-to-time present to me and without further remaneration, in order to perfect title in said invention, medifications, 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 renumeration, such necessary or desirable and lawful papers for application for foreign parents, 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 ASSIGNUE thereof shall bereafter require and prepare at its own expense;			
And I further agree that ASSIGNEE will, upon its request, he provided promptly with all pertinent facts and documents relating to said application, said invention and said Lesters 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 coverish 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.			
laveator	KELTAKAHASHI Date 440 02.7018		
Signature:	Kei terkataka		

Attorney Ducket No.: Sony Ref. No.: SP365615US00

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 APPARATUS, INF METHOD, AND PROGRAM	ORMATION PROCESSING	
As the below named inventor, I hereby declare that:		
This declaration The attached application, or is directed to:		
Enited States application or PCT international application a filed on 2017/02/03	number PCT/JP2037/004043	
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 WHEREAS. SONY CORPORATION	will Mose 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 invent legal protection which may be granted therefor in the United States and in any and all forei		
NOW TREREFORE, 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 threign 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 atheres, 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 thereo;		
And I further agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or its designed, 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 remaneration, application for fereign patents, for filing subdivisions of said application for patent, and o Patent which may be granted for my aforesaid invention, as said ASSIGNEE thereof shall	e, for obtaining any reissue or reissues of any Letters	
And I further agree that ASSIGNEE will, upon its request, be provided promptly will application, said invention and said Letters Patent and legal equivalents in foreign count testify as to the same in any interference or litigation related thereto:	h all pertinent facts and documents relating to said ries as may be known and accessable to me and will	
And I hereby covenant that no assignment, sale, agreement or excumbrance has been or withis assignment and sale.	ill be made or entered into which would conflict with	
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: AYUMI KATO	Date: July 31, 2018	
Signature: ATVHI KATO		

PATENT REEL: 046909 FRAME: 0544

RECORDED: 09/19/2018