505280938 01/16/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5327712

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YUICHI ARAKI	11/15/2018
JUNICHI TANAKA	11/15/2018
HIROSHI ORYOJI	11/15/2018
YUICHI HASEGAWA	11/16/2018
TOORU MASUDA	11/15/2018
TETSUYA FUKUYASU	11/15/2018

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:	16318189

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:	SP366997US00
NAME OF SUBMITTER:	PRAMOD CHINTALAPOODI
SIGNATURE:	/Pramod Chintalapoodi/
DATE SIGNED:	01/16/2019

PATENT REEL: 049669 FRAME: 0985

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Total Attachments: 6 source=SP366997US00_USFP#page1.tif source=SP366997US00_USFP#page2.tif source=SP366997US00_USFP#page3.tif source=SP366997US00_USFP#page4.tif

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Attorney Docket No.: Sony Ref. No.: SP366997US00

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	IMAGE PROCESSING APPARATUS AND IMAGE PROCESSING METHOD	
As the below	named inventor, I hereby declare that:	
This declaration is directed to:	1 Proposition of the Contraction	
	United States application or PCT international application number PCT/JP2017/025721 filed on 2017/07/14	
The above-ide	ntified 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	
	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;	
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;		
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 nay be granted for my aftiresaid 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 NAME OF INVENTOR		
Inventor:	YUICHI ARAKI Date: November 15, 2018	
Signature:	Ynichi Araki	

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 Inver		IMAGE PROCESSING APPARATUS AND IMAGE PROCESSING METHOD
As the	e below	named inventor, I hereby declare that:
	declarati ected to	1 200 110 31 35 15 15 15 15 15 15 15 15 15 15 15 15 15
		United States application or PCT international application number PCT/JP2017/025721 filed on 2017/07/14
The a	bove-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
		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 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.		
desigr remur	nee, as neration,	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 the sand countries foreign thereto;
applic	ation fo	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;
applic	cation, 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 e same in any interference or litigation related thereto;
		covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with a 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.
LEGA	AL NAM	DE OF INVENTOR
inven	tor:	JUNICHI TANAKA Date: Ubram ber 15, 2018
Signal	ture:	Junishi Tanaka

Attorney Docket No.: Sony Ref. No.: SP366997US00

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 IMAGE PROCESSING APPARATUS AND IMAGE PROCESSING M	ETHOD	
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/JP2017/0 filed on 2017/07/14 The above-identified application was made or authorized to be made by me.	25721	
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 A	ASSIGNEE), is desirous of	
acquiring all interest in, to and under said invention, said application disclusing the invention and in, to and under an legal protection which may be granted therefor in the United States and in any and all foreign countries:	y Letters Patent or similar	
NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, of which are hereby acknowledged. I by these presents do hereby assign, sell and transfer unto said ASSIGNEE, it legal representatives, the entire right, title and interest in said invention, said application, including any divisions and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for sai any and all priority rights and/or convention rights under the international Convention for the Protection of Industrial Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the adheres, and to any other benefits accruing or to accrue to me with respect to the filing of applications for patents or United States and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue Patent to said ASSIGNEE, as the assignee of the whole right, title and interest thereto;	ts successors, assigns, and continuations thereof, and id invention, and in and to I Property, Inter-American United States of America securing of patents in the	
And I further agree to execute all necessary or desirable and lawful future documents, including assignments in fa designee, as ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to remuneration, in order to perfect title in said invention, modifications, and improvements in said invention, applicat the United States and countries foreign thereto;	me and without further	
And I further agree to properly execute and deliver and without further remuneration, such necessary or desiral application for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue Patent which may be granted for my aforesaid invention, as said ASSIGNEE thereof shall hereafter require and prepared.	or reissues of any Letters	
And I further agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and deapplication, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and 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 this assignment and sale.	which would conflict with	
I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 b not more than five (5) years, or both.	y fine or imprisonment of	
LEGAL NAME OF INVENTOR		
Inventor: HIROSHI ORYOJI Date: Novembe	r 15,20/8	
Signature: Hirosh: Oryoji	₹	

Atturney Docket No.: Sony Ref. No.: SP366997US00

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	IMAGE PROCESSING APPARATUS AND IMAGE PROCESSING METHOD	
As the below	named inventor, I hereby declare that:	
This declarati	1	
**** A 83	United States application or PCT international application number PCT/JP2017/025721 filed on2017/07/14	
	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	
	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 Potent 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, 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;		
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, sa	agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said aid invention and said Letters Patem and legal equivalents in foreign countries as may be known and accessible to me and will e 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 emered 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 NAM	TE OF INVENTOR	
inventor:	YUICHI HASEGAWA Date: November, 16, 2018.	
Signature:	Yuichi Haseganon	

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	IMAGE PROCESSING APPARATUS AND IMAGE PROCESSING METHOD		
As the below	As the below named inventor, I hereby declare that:		
This declarati	1 1 27		
76k 33	United States application or PCT international application number PCT/JP2017/025721 filed on 2017/07/14		
	entified application was made or authorized to be made by me.		
WHEREAS.	I am the original inventor or an original joint inventor of a claimed invention in the application. SONY CORPORATION , with offices at		
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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 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, 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 use 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 becauter require and prepare at its own expense;		
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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.			
l hereby ackno 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 five (3) years, or both.		
LEGAL NAM	IE OF INVENTOR		
Inventor:	TOORU MASUDA Date: November 15: 20/8		
Signature:	Toorn Masada		

DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE

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I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.		
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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 accruting 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:		
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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 TETSUYA FUKUYASU Date: November 15, 20/8		
Signature: Tetuja Fukuyawa		

PATENT REEL: 049669 FRAME: 0992

RECORDED: 01/16/2019