505894237 01/31/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5940938

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHIHIRO FUKIAGE	01/21/2020

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:	16619136

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

CHIP LAW GROUP Correspondent Name: Address Line 1: 505 N LAKESHORE DR

Address Line 2: SUITE 250

Address Line 4: CHICAGO, ILLINOIS 60611

ATTORNEY DOCKET NUMBER:	SP369236US00
NAME OF SUBMITTER:	PRAMOD CHINTALAPOODI
SIGNATURE:	/Pramod Chintalapoodi/
DATE SIGNED:	01/31/2020

Total Attachments: 1

source=SP369236US00_USFP#page1.tif

PATENT REEL: 051769 FRAME: 0864

505894237

Attorney Docket No.; Sony Ref. No.: SP369236US00

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

As the below named inventor, I hereby declare that: This declaration is directed to: United States application, or United States application, or United States application or PCT international application number PCT/IP2018/022258 filed on 2018/06/11 The above-identified application was made or authorized to be made by me. I believe that I am the original inventor of 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 (hereinofier 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 offer good and valuable consideration, the receipt and sufficiency of shich are hereby achieved therefor in the United States, and countries foreign terms said ASSIGNEE, its successors, assigns, and legal representatives, the carrier regist, title and interest in a sidi revention, said application, including any divisions and our owner of the said was a side of the said invention of the said in and in any and all facility of convention rights made in the terms of the protein of the Protein of the ASSIGNEE, its successors, assigns, and countries foreign thereto, which may be granted for said invention, and in and to any and all principly rights achieved convention rights under the International Convention Relating to Patents. Designs and laduated Models, and any other international agreements to which the United States and Convention Relating to Patents. Designs and laduated Models, and any other international agreements to relative the fall in and international designs of patents and the latited States and Convention Relating to patents. The fall patents are all patents and request the Commissioner of Patents	Title of Invention PICKUP SYSTEM IMAGE PROCESSING APPARATUS, IMAGE PROCESSING METHOD, AND IMAGE PICKUP SYSTEM	
United States application, or United States application or PCT international application number PCT/IP2018/022258 filed on 2018/06/11 The above-identified application was made or authorized to be made by me. I believe that I am the original inventor or an original join inventor of a claimed invention in the application. WHEREAS, SONY CORPORATION, with offices at I-7-1 KONAN, MINATO-KU, TOKYO, 108-0075, JAPAN, thereinafter 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 grained therefor in the United States and it any and all foreign countries; NOW THEREPORE, 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, by these presents do hereby assign, sell and transfer into said ASSIGNEE, its securous and in and to any and all fareters after in the United States, and countries foreign thereto, which may be graited for said invention, and in and to any and all fareters Patent of the United States, and countries foreign thereto, which may be graited for said invention, and in and to any and all profess to accurate in thereational Convention Relating to Patents. Designs and Industrial Models, and any other international agreements to which the United States of America addisers, and to any other breaking thereto, and Thereby authorize and request the Commissioner of Patents to issue said United States Letters Patent of the United States and countries foreign thereto, and Thereby authorize and request the Commissioner of Patents to issue said United States Letters Patent to add ASSIGNEE, as the assignee of the whole right, tide 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 leg	As the below named inventor, I hereby declare that:	
The above-identified application was made or authorized to be made by me. 1 believe that I am the original inventor or an original joint inventor of a claimed invention in the application. WHEREAS, SONY CORPORATION 1-7-I KONAN, MINATO-KU, TOKYO, 108-0075, JAPAN (hereinafter referred to se 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 graited 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 into 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 ferrors patent of the United States, and countries foreign thereto, which may be greated for said invention, and in and to any and all priority rights unfor convention rights under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Insulativid Models, and any other international agreements to their the United States and countries foreign thereto, and I shustrial Models, and any other international agreements to their the United States and Continuations 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 successors, assigns and legal representatives may from time-to-time pr	Mrs. more day of sample of the same	
believe that I am the original inventor or an original joint inventor of a claimed invention in the application. WHEREAS. SONY CORPORATION 1-7-1 KONAN, MINATO-KU, TOKYO, 108-0075, JAPAN (hereinafter referred to as ASSIGNEE), is destrous 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 grained therefor in the United States and in any and all foreign countries. NOW THEREFORE, in consideration of the sam 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, self 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 thereof, which may be grained for said invention, and in and to any and all tenters Datent of the United States of America adheres, and to any other benefits accraing or to accuse to new other specific and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to which the United States America adheres, and to any other benefits accraing or to accuse to new with respect to the filting 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 inventi	filed on	
WHEREAS. SONY CORPORATION 1-7-1 KONAN, MINATO-KU, TOKYO, 108-0075, JAPAN (hereinafter referred to as ASSIGNEE), is descrous 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 sam 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, seld and transfer into 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 henefits 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 Jegal representatives may from time-to-time present to me and without further remuneration, in order to perfect title in said invention, 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 with		
1-7-1 KONAN, MBNATO-KU, TOKYO, 108-0075, JAPAN (thereinafter 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 greated 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 adherses, and to any other benefits accurating or to accure 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 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 fu		
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 unito 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 accrating 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 successors, assigns and legal representatives may from time-to-time present to me and wifrout 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, said invention and said Le	1-7-1 KONAN, MINATO-KU, TOKYO, 108-0075, JAPAN (hereinafter referred to as ASSIGNEE), is desirous of	
of which are hereby acknowledged, I by these presents do hereby assign, self 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 und continuations thereof, and in and to any and all feature Patent of the United States, and countries foreign thereto, which may be greated 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 to receive adheres, and to any other benefits accruing or to accrue to me with respect to the filing of applications for patents to receiving 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 saidivisions of said application for potent, and or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesand invention, as said	acquiring all interest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or similar	
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 fitigation 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: CHIHIRO FUKIAGE Date:	of which are hereby acknowledged, I by these presents do hereby assign, sell and transfer into 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	
application for foreign patents, for filing subdivisions of said application for potent, 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, he 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 frigation 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: CHIHIRO FUKIAGE Date: 2.0.2.0./1/2	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 fitle in said invention, modifications, and improvements in said invention, applications and Letters Patent of	
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 frigation 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: CHIHIRO FUKIAGE Date: 2000/1/2/	application for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Letters	
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: CHIHIRO FUKIAGE Date: 2.0.20 / 1 / 2-/	application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will	
not more than five (5) years, or both. LEGAL NAME OF INVENTOR Inventor: CHIHIRO FUKIAGE Date: 2020/1/2/		
Inventor: CHIHIRO FUKIAGE Date: 2020/1/2/		
Signature: <u>Childro Fuklaye</u>	244,004,004	
	Signature: <u>Childro Fisklage</u>	

RECORDED: 01/31/2020

PATENT REEL: 051769 FRAME: 0865