503767220 04/04/2016

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3813866

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YUKI YAMAMOTO	03/14/2016
KENTA KAWAMOTO	03/14/2016
YOICHI HIROTA	03/16/2016

RECEIVING PARTY DATA

Name:	SONY CORPORATION	
Street Address:	1-7-1 KONAN, MINATO-KU	
City:	TOKYO	
State/Country:	JAPAN	
Postal Code:	108-0075	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15026766

CORRESPONDENCE DATA

Fax Number: (908)654-7866

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.

Phone: (908) 518-6374

Email: assignment@lernerdavid.com

LDLK&M **Correspondent Name:**

Address Line 1: 600 SOUTH AVENUE WEST

Address Line 4: WESTFIELD, NEW JERSEY 07090

ATTORNEY DOCKET NUMBER:	SONYJP 3.3F-3308	
NAME OF SUBMITTER: MELINDA C. CORMIER		
SIGNATURE:	/Melinda C. Cormier/	
DATE SIGNED:	04/04/2016	

Total Attachments: 3

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> **PATENT** REEL: 038338 FRAME: 0465

503767220

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

Titlant I	IMAGE PROCESSING DEVICE, IMAGE PROCESSING METHOD, COMPUTER PROGRAM, AND IMAGE DISPLAY SYSTEM		
As the below n	amed inventor, I hereby declare that:		
This declaration is directed to:	This declaration is directed to: The attached application, or		
	United States application or PCT international application number PCT/JP2014/079205 filed on 2014/11/04		
The above-ider	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		
	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;		
of which are h legal represents in and to any a any and all pric Convention Re adheres, and to United States a	FORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency ereby acknowledged. I by these presents do hereby assign, sell and transfer unto said ASSIGNEE, its successors, assigns, and atives, 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 prity rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American liating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the end countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue said United States Letters ASSIGNEE, as the assignce of the whole right, title and interest thereto;		
designee, as A remaneration,	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 es 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 filling subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Lefters say be granted for my aforesaid invention, as said ASSIGNEE thereof shall hereafter require and prepare at its own expense;		
application, sai	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 countries as may be known and accessible to me and will same in any interference or litigation related thereto;		
And I hereby c this assignment	ovenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with t and sale.		
	wledge 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:	YOICHI HIROTA Date: March 164h, 2016		
Signature;	Yoide Wirde		

PATENT REEL: 038338 FRAME: 0466

Amorney Dacket No.: Sony Ref. No.: SP38668USGC

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

IMAGE PROCESSING DEVICE, IMAGE PROCESSING METHOD, COMPUTER Title of PROGRAM, AND IMAGE DISPLAY SYSTEM
As the below mimed inventor, I benefit declare that:
This declaration If the anached application, or is directed to:
Cinited States application or PCT international application number PCT/IP2014/07920S
10 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
The shove-identified application was made or authorized to be made by me.
I believe that I am the original inventor or an original joint inventor of a claimed invention in the application. WHEREAS, SONY CORPORATION , with offices at
1-7-1 KONAN, MINATO-KU, TOKYO, 108-0075, JAPAN (hereinsüler referred to as ASSIGNEE), is decirate of
acquiring all interest in, so and under said invension, 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 Ose Dollar (\$1.00), and silver good and valuable consideration, the receipt and sufficiency of which are leavely acknowledged, I by these presents do hereby assign, sell and transfer unto said ASSIGNEE, its successors, assigns, seld legal representatives, the entire right, file and interest in said invention, said application, including say divisions and continuations thereof, and in and in and an any and all Letters Passed of the United States, and committee fiverent, which may be granted for said invention, said in and to any and all priority rights and or accounts rights under the International Convention for the Projection of Industrial Property, Inter-American Convention Relating in Patients. 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 account to me with respect to the filing of applications for patients or securing of patients in the United States Letters Patient to said ASSIGNEE, as the assignce of the whole right, title and interest theoret:
And I further agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSICNEE or its designer, as ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me said 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 commons foreign themses:
And I further agree to properly execute and deliver and without further remuseration, such recovery 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 ASSKINEE thereof shall be resilier require and propers 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, each 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 hitigation related thereto;
And I hardly coverant 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 hardy administrate that any willful false statement made in this declaration is punishable under 18 U.S.C. 1601 by face or impresonment of not more than five (5) years, or both
LEGAL NAME OF INVENTOR
Inventor Yuki Yamamoto Date: 2016/3/19
Signature July Transcente

PATENT REEL: 038338 FRAME: 0467

Attorney Bocket Na.: Sony Ref. No.: SP356658USGC

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

The attached application or PCT international application number. PCT/P2014/079205 Bled on 2014/11/04 The above-identified application was made or numberized 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. WHEREAN SONY CORPOBEATION. with offices as 1-7-1 KONAN, MINATO-KU, TOKYO, 108-0075, JAPAN (benefination referred to as ANSIGNER), is demonstored in the fine of the sum of One Desitu (S. 10), and stites good and valuable crossadoration, the movel per of which are benefit and the proposal of the sum of One Desitu (S. 10), and stites good and valuable crossadoration, the movel of the sum of One Desitu (S. 10), and stites good and valuable crossadoration, the movel of the sum of One Desitu (S. 10), and stites good and valuable crossadoration, the movel of the sum of One Desitu (S. 10), and stites good and valuable crossadoration, the movel of the sum of One Desitu (S. 10), and stites good and valuable crossadoration, the movel of the sum of One Desitu (S. 10), and stites good and valuable crossadoration, the movel of the linited States, and to any on all all Letters Prisons of the United States, and countries, and population and the sum of the sum of One Desitu (S. 10), and stites good and valuable crossadoration, the movel of the linited States, and any one and all Letters Prisons of the United States, and any other international Convention to the Protection of Industrial Reports. International Convention to the Protection of Industrial Proports, Industrial States and the convention regists under the Protection of Industrial Proports, Industrial States of America adheres, and countries and accountries to a sucrease benefits actuation to adheres, and countries the sucrease in a state of any stites because the sucrease of the schole regist, site and transactional agreements for particular or security states and in faredy architecture thereto. Convertion Relating to Parents, Designs and Industrial Adodes, and any other interna	Title of Invention PROGRAM, AND IMAGE DISPLAY SYSTEM
United States applications or PCT informational application number. PCT/JP2014/079205 Bied on 2014/11/04 The above-identified application was made or authorized to be made by me. I believe that I say the original inventor or an original goint inventor of a chained invention in the application. With offices at 1-7-1 KONAN, MINATO-KU, TOK-YO, 108-8075, JAPAN (benefits for and under any Lotton Patients of acquiring all interest in, to and under said invention, said application disclosing the invention and is, to and under any Lotton Patients of which are being said interest in, to and under said invention, said application disclosing the invention and is, to and under any Lotton Patients of which are being said invention of the sum of One Dallat (S. 100), and sainer good and valuable consideration, the receipt and sufficiency of which are being accordance in the sum of One Dallat (S. 100), and sainer good and valuable consideration, the receipt and sufficiency of which are beingly acknowledged, I by these presents do hereby assign, sell and transfer time said ASSIGNIE, his successors, sustains and legal repressionations. Because of control of the sum of One Dallat (S. 100), and sainer good and valuable consideration, the receipt and sufficiency of which are beingly acknowledged, I by these presents do hereby assign, sell and transfer times and ASSIGNIE, his successors, sustains, and legal repressionations. Because and all Letters Patients of the Entire Convention for the Protection of Industrial Property Inter-American Convention Relating to Patients. Designs and flowers in said Inventions of Engineering these which the Dallat Inter-American Convention Relating to Patients. Designs and flowers in the International Convention for the Protection of Industrial Property Inter-American Convention Relating to Patients of American Convention Relating to Patients of American adheres, and to any other benefits according to to accord to me with respect to the falling of applications for patients of the Industrial Proper	As the below named incomes, I hereby declare that
The above identified application was made or multiprized to be made by me. The above identified application was made or multiprized to be made by me. The above identified application was made or multiprized to be made by me. The above identified application was made or multiprized to be made by me. 1-7-1 KONAN, MINATO-KU, TOKYO, 108-1975, JAPAN (hereinafter referred to as ASSIGNEE), is desirous of acquiring all interest in, so and under said investion, said application disclosing the invention and is, to und under say Letters Patent or similar legal princetion which may be granted therefor in the United States and in say and all devirage countries, to the control of the sum of One Dollar (S. 108), and other good and valuable consideration, the receipt and sufficiency of which are heavily acknowledged, I by those presents do heavily asking, sell and structer outer said ASSIGNEE, its successors, sustant, and all approximatives, the easier regist, trice and intends there, and countries, sold applications, which may be greated register. Patents of the Linited States, and countries for said material for said moration, and its said to any and all Letters Patents of the Linited States, and countries which may be invited for said moration, and its said to any and all principles patents. Designs and Industrial Models, and any other international aggreements for said moration states of Auerica adheres, and it any order benefits accurage to reactual to rise with respect to the filing of applications in broads in the United States of Structures. Designs and industrial Models, and any other international aggreements to brick the United States of Auerica adheres, and it any other homeones and countries to said accurate to react with respect to the filing of applications for the protection of industrial Property, Inter-American Consequences and Consequences and Community of Auerica adheres and countries for eight for successory or desirable and lawful future documents, including assignments in favor of ASSIGNEE or its sub	This declaration is directed application, or
Delices that I am the original inventor or an original joint inventor of a claimed invention in the application. WHERESS SCONY CORPORATION	
L7-1 KONAN, MINATO-KU, TOKYO, 108-1075, JAPAN (hereinafter referred to as ASSIGNEE), it desertoes of acquiring all interest in, so and under said invention, said application disclosing the invention and it, to and under any Letters Patent or similar legal princetion which may be granted theorefor in the United States and it may and all fereign consideration, the receipt and sufficiency of which are hereby acknowledged, I by these presents do hereby assign, sell and unusular tono said ASSIGNEE, its successors, assigns, and legal representatives, the easier right, into assi interest in said invention, early application, including any distinction of constituations thereof, and and any and all Lecters Patents of the United States, and countries foreign thereor, which are hereby acknowledged, I by these presents in said inventions, early application, including any distinction of continuations thereof, and and only any and all protein rights and/or convention rights under the London States, and countries foreign thereof, which are benefits according or to accrue to me, with expect to the field States of Assistant Property, Inter-American Conversion Relating to Patents, Designs and Industrial Models, and any other international agreements to which the Obtiod States of Assistant and the active to any other benefits according or to accrue to me, with expect to the filling of applications for sections of sections of patents in the Obtiod States of Assistant and according to each of the Obtiod States of Assistance and Comments, including assignments in favor of Assistance and Comments and Assistance of the whole right, side and interest thereto. And I further agree to vascute all declares and within the terminative may from time-to-disse present to the and without further remaneration, in order to perfect this in sold invention, modifications, and improvements in said inventions, applications and Lecters Patent of the United States and countries foreign thereby. And I further agree to properly execute and deliver and wi	The above-librarified application was made or universited to be made by me.
1.7-1 KONAN, MINATO-KU, TOKYO, 108-4075, JAPAN (hereinafter referred to as ASSIGNER), is desirous of acquiring all interest in, to and under earl investion, said application disclosing the invention and is, is and under any Lotters Patent or similar legal principles which may be granted therefor in the United States and in any and all feeting countries. NOW THEREFORE, in consideration of the sum of One Dodlar (5) 100, and stiture good and valuable emissionation, the meeting and sufficiency of which are breitly acknowledged, I by these presents do hereby assign, sail and unrefer rune said ASSIGNEE, its successors, assigns, and legal representatives, the coster right, trite said invention, said applications, including any dictions and environment thereof, and in and to any and all flucture Patents of the United States, and countries breign tisrress, which may be granted for said invention, and in and to any and all principly rights and/or and/or and/or any and all principly rights and/or convention relating to Patents. Designs and Industrial Models, and any other international agreements in which the United States of America and hereas, and to any sides benefits according or to accrue to me with respect to the filing of applications for patents for some first according or to accrue to me with respect to the filing of applications for patents to issue said United Brants and to may side benefits according or to accrue to me with respect to the filing of applications for patents to issue said United Brants Patent in said ASSIGNEE, as the assignment force to me with respect to the filing of applications for patents to issue said United Brants Industrial Models, as the assignment and legal representatives may from time-to-dring present to me and without farther remanderation, is order to perfect this line said averaged applications, and improvements in said averaged proper at its own expense; the United States and countries forcign thereto; And I further agree to properly execute and slediver and widout further temp	Declares that I am the original insenter or an original joint inventor of a claimed invention in the application. WHEREAN SONY CORPORATION , with officer at
legal principles in thereast in, is say timely on the United Sisters and its say and all fereign countries. NOW THEREFORE, in consideration of the sum of One Dollar (S) 100, and stiter good and valuable consideration, the receipt and sufficiency of which are bereby acknowledged, I by these presents do hereby assign, sell and unrafer unto said ASSIGNEE. Its successors, assigns, and legal representatives, the exiter eight, title as distrement in said invanions, said application, including any divisions and constitutations thereof, 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 Assarius adheres, and to my ablas benefits according or to accrue to me with respect to the filting of applications for patents or securing or to accrue to me with respect to the filting of applications for patents to issue said United States of Assarius adheres and Interded and interval thereto. And I further agree to execute all necessary or destroite right, title and interval thereto. And I further agree to execute all necessary or destroite and legal representatives may from time-to-time present to me and without further remaineration, is order to perfect this in said according, modifications, and improvements in said invention and Letters Patent of discussion for foreign patents, for filing subdivisions of said application for putent, and or, for obtaining any reison or mission of any Letters Patent which may be granted for any afercant invention, as said ASSIGNEE thereof shall be easily or destrable and invention and seid Letters Patent and legal equivalents in foreign countries as may be known and accordable to not and will testify as to the same in any interferenc	1-7-1 KONAN, MINATO-KU, TOKYO, 108-0075, JAPAN (hereinafter referred to as ASSIGNEE), is destrois of
of which are hereby acknowledged, I by these presents do hereby assign, sell and transfer oute said ASSIGNEE, its successors, assigns, and legal representatives, the easter right, the said invanions is said invanions, and its and to presentatives, the easter right, the said invanions and all priority rights and/or convention rights under the Luternatives I 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 American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of American Convention Relating to accurate or the with the Control of American Relating to the United States and countries Recipit deserve and I literably authorize and exquest the Commissioner of Patents to issue and United States Lattern Patent to said ARSIGNEE or the successors, assigns and logal representatives may from time-to-dine present to the and without further resonance attention, is order to perfect their in said severation, modifications, and improvements in said inventions and Littlers Patent of the United States and countries foreign thereto; And I further agree to properly execute and iddiver and without further termaneration, such necessary or desirable and lawful papers for application for foreign patents, for filing subdivisions of said application for potent, and or, for obtaining any relation and artificial papers for application for foreign patents, for filing subdivisions of said application for potent, and or, for obtaining any relation or mission of any Letters Patent which may be granted for my afterest of execution relate	acquiring all interest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Paton or vimilar legal protection which may be granted therefor in the United States and in any and all foreign countries.
designee, as ASSIGNEE or no successors, assigns and legal representatives may from time-to-line present to me and without further renumeration, is order to perfect title in said invention, modifications, and improvements in said invention, applications and Levers Potent of the United States and countries foreign thereto: And I further agree to properly execute and deliver and without further remaineration, 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 be easily require and prepare at its own expense; And I further agree that ASSIGNEE will, upon its request, be provided premptly with all persisent lasts and documents relating to said application, and invention and and Letters Patent and legal equivalents is foreign countries as may be known and accessible to me and will testify as to the same in any interference or highlighted related thereo; And I bereby coverant 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 labs statement made in this declaration is painted and in the IVS.C. 1001 by first or imprisonment of not more than five (5) years, or both.	logist representatives, the entire right, trice and interest in said invention, said application, including any divisions and constituations thereof, and in and to any and all Lecters Patent of the United States, and countries foreign thereof, which may be granted for said invention, and in and to any and all priority rights and/or convention rights under the Lucinatorial Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements is which the United States of America althous, and to any other henefits 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 capites the Countries foreign thereto, and I hereby authorize and capites the Countries for Patents to issue said United States Lorien.
application for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any relistic or missions of any Litters Patent which may be granted for any aforesaid invention, as said ASSIGNEE thereof shall be eafler require and prepare at its own expenses. And I further agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent lasts and documents relating to said application, and 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 higgainon related thereto; And I bereby covenant that no assignment, sale, agreement or enumbrance has been or will be made or entered into which would conflict with this assignment and sale. I hereby acknowledge that any willful lister statement made in this declaration is paintlastic under 18 U.S.C. 1001 by fine or imprisonment of not more than five (3) years, or both.	designed, as ASSIGNEE or the successors, assigns and logal representatives may from time-to-dink present to me and without further remaineration, in order to perfect this in said invention, modifications, and improvements in said invention, applications and Lewes Patent of
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this assignment and sale. Thereby acknowledge that any willful lides statement made in this declaration is painwhalde under 18 U.S.C. 1001 by fine or imprisonment of not more than five (3) scars, or both.	application, said invention and said Lemon Parent and legal equivalents in fiveliga countries as may be known and accombile to me and will
not more than five (5) years, or both	
NOO 17 COOR SON NOO 2000	
LEGAL NAME OF INVESTER	LEGAL NAME OF INVENTOR
Investor KENTA KAWAMOTO Date: Moral 14, 2016	Inverse: KENTA KAWAMOTO Date: March 14, 2016
some Kerta Kaugunt	Syramore Konta Kakainati

PATENT REEL: 038338 FRAME: 0468

RECORDED: 04/04/2016