502746427 03/31/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2793023

NATURE OF CONVEYANCE: ASSIGNMENT CONVEYING PARTY DATA Name TAKAYUKI OKUNO AYUMU KOBAYASHI ASSIGNMENT MASAKI SHIMIZU MASAKI SHIMIZU RECEIVING PARTY DATA RECEIVING PARTY DATA Name: SONY CORPORATION Street Address: 1-7-1 KONAN, MINATO-KU City: TOKYO State/Country: JAPAN Postal Code: 108-0075 Number PROPERTY NUMBERS total: 1 Property Type Number QORRESPONDENCE DATA	Execution Date 03/18/2014 03/20/2014 03/24/2014	
Name TAKAYUKI OKUNO AYUMU KOBAYASHI MASAKI SHIMIZU RECEIVING PARTY DATA Name: SONY CORPORATION Street Address: 1-7-1 KONAN, MINATO-KU City: TOKYO State/Country: JAPAN PROPERTY NUMBERS Total: 1 PROPERTY NUMBERS Total: 1 Property Type Number Application Number: 14230624	03/18/2014 03/20/2014	
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Correspondence will be sent to the e-mail address first; if that is unsuccessfu US Mail.	ıl, it will be sent vi	
Phone: (202) 955-3750		
Email: dcpatentmail@raderfishman.com		
Correspondent Name:RADER FISHMAN & GRAUER, PLLCAddress Line 1:1233 20TH STREET, N.W.		
Address Line 1: 1233 2011 STREET, N.W. Address Line 2: SUITE 501		
ATTORNEY DOCKET NUMBER: SON-5723		
IAME OF SUBMITTER: CHRISTOPHER M. TOBIN/KAS	CHRISTOPHER M. TOBIN/KAS	
SIGNATURE: /Christopher M. Tobin/		
DATE SIGNED: 03/31/2014		
This document serves as an Oath/Declaration	This document serves as an Oath/Declaration (37 CFR 1.63).	

PATENT REEL: 032563 FRAME: 0452

Attorney Docket No.: 80001-5723 Sony Ref. No.: SP352120US00

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
Inver	ition

EXPOSURE CONTROL APPARATUS, IMAGE CAPTURING APPARATUS AND METHOD OF COTNROLLING EXPOSURE

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 filed on

The above-identified application was made or authorized to be made by me,

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application. WHEREAS, SONY CORPORATION

_, with offices at

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 bereby 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 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 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 renumeration, 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 N	AME OF INVENTOR				
Inventor.	TAKAYUKI OKUNO	and a state of the second state	Date:	March	18,2014
Signature	Takayuki Olan				

PATENT REEL: 032563 FRAME: 0453

Attorney Docket No.: 80001-5723 Sony Ref. No.: SP352120US00

	CLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN ICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE			
Title of Invention	EXPOSURE CONTROL APPARATUS, IMAGE CAPTURING APPARATUS AND METHOD OF COTNROLLING EXPOSURE			
As the below	named inventor, I hereby declare that:			
This declarati is directed to:	on The attached application, or			
	United States application or PCT international application number			
The above-ide	mified application was made or authorized to be made by me.			
I believe that WHEREAS, 1-7-1 KC acquiring all.	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 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 THER of which are legal represent in and to any any and all pr Convention R adheres, and I United States	FORE, in consideration of the sum of One Dollar (\$1,00), and other good and valuable consideration, the receipt and sufficiency hereby acknowledged. I by these presents do hereby assign, sell and transfer unto said ASSIGNEE, its successors, assigns, and tatives, 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 fority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American claims to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America o any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the and countries foreign thereto;			
designee, as remuneration	agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or its ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without further in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of tes and countries foreign thereto;			
And 1 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.				
	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:	AYUMU KOBAYASHI Date: March 20, 2014			
Signature:	Ayumu Kobayashi			

Attorney Docker No.: 80001-5723 Sony Ref. No.: SP352120US00

DF APPI	CLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN LICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE
Title of Invention	EXPOSURE CONTROL APPARATUS, IMAGE CAPTURING APPARATUS AND METHOD OF COTNROLLING EXPOSURE
As the below	named inventor, I hereby declare that:
This declarati is directed to:	
	United States application or PCT international application number filed on
The above-ide	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 NAN, MINATO-KU, TOKYO, 108-0075, JAPAN (hereinafter 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 Letters Patent or similar in which may be granted therefor in the United States and in any and all foreign countries;
of which are legal represen	FORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency hereby acknowledged, 1 by these presents do hereby assign, sell and transfer unto said ASSIGNEE, its successors; assigns, and tatives, the entire right, title and interest in said invention, said application, including any divisions and continuations thereof, and and all Letters Patent of the Unified States, and countries foreign thereto, which may be granted for said invention, and in and the

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 furtherremuneration, 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 NA	ME OF INVENTOR		
Inventor:	MASAKI SHIMIZU	Date:	March 24, 2014
Signature:	Masaki Shimizu		

RECORDED: 03/31/2014