

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4850126

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the EXECUTION DATE OF THE INVENTORS previously recorded on Reel 045084 Frame 0400. Assignor(s) hereby confirms the ASSIGNMENT.
CONVEYING PARTY DATA	
Name	Execution Date
TOSHIYUKI NISHIHARA	06/05/2017
HIROFUMI SUMI	06/11/2017
RECEIVING PARTY DATA	
Name:	SONY SEMICONDUCTOR SOLUTIONS CORPORATION
Street Address:	4-14-1 ASAH-CHO, ATSUGI-SHI
City:	KANAGAWA
State/Country:	JAPAN
Postal Code:	243-0014
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15363474
CORRESPONDENCE DATA	
Fax Number:	(617)646-8646
<i>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.</i>	
Phone:	617-646-8000
Email:	patents_SonyAdmins@WolfGreenfield.com
Correspondent Name:	RANDY J. PRITZKER
Address Line 1:	WOLF, GREENFIELD & SACKS, P.C.
Address Line 2:	600 ATLANTIC AVENUE
Address Line 4:	BOSTON, MASSACHUSETTS 02210
ATTORNEY DOCKET NUMBER:	S1459.71968US01
NAME OF SUBMITTER:	JESSICA O. VALLI
SIGNATURE:	/Jessica O. Valli/
DATE SIGNED:	03/05/2018
Total Attachments: 3	
source=S145971968US01-CAS12-RJP#page1.tif	
source=S145971968US01-CAS12-RJP#page2.tif	

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4781790

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT	
NATURE OF CONVEYANCE:	Corrective Assignment to correct the ASSIGNEE previously recorded on Reel 041581 Frame 0261. Assignor(s) hereby confirms the CORRECTION OF THE ASSIGNEE FROM SONY CORPORATION TO SONY SEMICONDUCTOR SOLUTIONS CORPORATION.	
CONVEYING PARTY DATA		
	Name	Execution Date
	TOSHIYUKI NISHIHARA	01/30/2015- 06/05/2017
	HIROFUMI SUMI	02/26/2015- 06/11/2017
RECEIVING PARTY DATA		
Name:	SONY SEMICONDUCTOR SOLUTIONS CORPORATION	
Street Address:	4-14-1 ASahi-CHO, ATSUGI-SHI	
City:	KANAGAWA	
State/Country:	JAPAN	
Postal Code:	243-0014	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	15363474
CORRESPONDENCE DATA		
Fax Number:	(617)646-8646	
<i>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.</i>		
Phone:	617-646-8000	
Email:	patents_SonyAdmins@WolfGreenfield.com	
Correspondent Name:	RANDY J. PRITZKER	
Address Line 1:	WOLF, GREENFIELD & SACKS, P.C.	
Address Line 2:	600 ATLANTIC AVENUE	
Address Line 4:	BOSTON, MASSACHUSETTS 02210	
ATTORNEY DOCKET NUMBER:	S1459.71968US01	
NAME OF SUBMITTER:	JESSICA O. VALLI	
SIGNATURE:	/Jessica O. Valli/	
DATE SIGNED:	01/18/2018	
Total Attachments: 3		
source=S145971968US01-CASI-RJP#page1.tif		
source=S145971968US01-CASI-RJP#page2.tif		

**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-CAPTURING DEVICE AND ELECTRONIC DEVICE

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 15/363,474

filed on 11/29/2016

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 SEMICONDUCTOR SOLUTIONS CORPORATION, with offices at
4-14-1 ASAHI-CHO, ATSUGI-SHI, KANAGAWA, 243-0014 (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 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
designees, 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: TOSHIYUKI NISHIHARA

Date: June 9, 2017

Signature: Toshiyuki Nishihara

**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-CAPTURING DEVICE AND ELECTRONIC DEVICE

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 15/363,474

filed on 11/29/2016

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 SEMICONDUCTOR SOLUTIONS CORPORATION, with offices at
4-14-1 ASahi-CHO, ATSUGI-SHI, KANAGAWA, 243-0014 (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 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: HIROFUMI SUMI

Date:

June 11 / 2017

Signature:

Hirofumi Sumi