#### 502243903 02/26/2013

#### PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### CONVEYING PARTY DATA

Name	Execution Date
Masaki Odahara	02/01/2013
Takaki Watanabe	02/01/2013
Shizunori Matsumoto	02/01/2013

#### 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:	13772473

#### CORRESPONDENCE DATA

Fax Number: 2029553751

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 2029553750

Email: kas@raderfishman.com

Correspondent Name: Rader Fishman & Grauer, PLLC

Address Line 1: 1233 20th Street, N.W.

Address Line 2: Suite 501

Address Line 4: Washington, DISTRICT OF COLUMBIA 20036

ATTORNEY DOCKET NUMBER:	SON-5357
NAME OF SUBMITTER:	Christopher M. Tobin/kas
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 3

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PATENT REEL: 029877 FRAME: 0141 CH \$40.00 137724

Attorney Docket No.: 80001-5357 Sony Ref. No.: SP344159US00

## 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 APPARATUS  SOLID-STATE IMAGING DEVICE, DRIVING METHOD, AND ELECTRONIC
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  1-7-1 KONAN MINATO KIL TOKYO 100 0075 MINATO KIL TOKYO 10
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 accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the 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: MASAKI ODAHARA Date: February 1, 2013
Signature: <u>Masaki Odahara</u>

PATENT REEL: 029877 FRAME: 0142

Attorney Docket No.: 80001-5357 Sony Ref. No.: SP344159US00

### 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	SOLID-STATE IMAGING DEVICE, DRIVING METHOD, AND ELECTRONIC APPARATUS
As the below	named inventor, I hereby declare that:
This declaration 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,	am the original inventor or an original joint inventor of a claimed invention in the application.  SONY CORPORATION  NAN, MINATO-KU, TOKYO, 108-0075, JAPAN  (hereinafter referred to as ASSIGNEE) is desirous of
acquiring all ir	nterest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or similar n which may be granted therefor in the United States and in any and all foreign countries;
legal represents in and to any a any and all pric Convention Re adheres, and to United States a Patent to said A	FORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency are personal sufficiency acknowledged, I by these presents do hereby assign, sell and transfer unto said ASSIGNEE, its successors, assigns, and attives, 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 ority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American claim 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 and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue said United States Letters ASSIGNEE, as the assignee of the whole right, title and interest thereto;
remuneration, i	agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or its assignments in said invention, assigns and legal representatives may from time-to-time present to me and without further norder to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of each countries foreign thereto;
Patent which ma	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 ay be granted for my aforesaid invention, as said ASSIGNEE thereof shall hereafter require and prepare at its own expense;
And I further a application, said	agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said dinvention 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 co this assignment	ovenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with and sale.
I hereby acknown	vledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of ve (5) years, or both.
LEGAL NAME OF INVENTOR	
Inventor: T	AKAKI WATANABE Date: February 1, 2013
Signature:	akaki Watanabe

PATENT REEL: 029877 FRAME: 0143

Attorney Docket No.: 80001-5357 Sony Ref. No.: SP344159US00

# 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	SOLID-STATE IMAGING DEVICE, DRIVING METHOD, AND ELECTRONIC APPARATUS
As the below	named inventor, I hereby declare that:
This declaration is directed to:	The attached application, or
The above-ide	United States application or PCT international application number filed on  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
1-7-1 KO	NAN, MINATO-KU, TOKYO, 108-0075, JAPAN (hereinafter referred to as ASSIGNEE), is desirous of
acquiring all ir legal protection	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;
legal represents in and to any a any and all pric Convention Re adheres, and to United States a Patent to said A	FORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency pereby acknowledged, I by these presents do hereby assign, sell and transfer unto said ASSIGNEE, its successors, assigns, and attives, the entire right, title and interest in said invention, said application, including any divisions and continuations thereof, and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to arity rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American atting 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 accountries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue said United States Letters SSIGNEE, as the assignee of the whole right, title and interest thereto;
remuneration, in the United State	gree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or its SSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without further order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of s and countries foreign thereto;
Patent which ma	gree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for oreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Letters by be granted for my aforesaid invention, as said ASSIGNEE thereof shall hereafter require and prepare at its own expense;
testify as to the s	gree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said 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 co this assignment	venant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with and sale.
hereby acknow not more than fiv	ledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of ve (5) years, or both.
LEGAL NAME	OF INVENTOR
nventor: SI	HIZUNORI MATSUMOTO Date: Fobruary 1, 2013
ignature: 1	hyunori Matsumoto

PATENT REEL: 029877 FRAME: 0144

**RECORDED: 02/26/2013**