PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Keiji Sasano	09/08/2011
Hiroaki Tanaka	09/07/2011
Hiroki Hagiwara	09/08/2011
Yuki Tsuji	09/09/2011
Tsuyoshi Watanabe	09/09/2011
Koji Tsuchiya	09/09/2011
Kenzo Tanaka	09/13/2011
Takaya Wada	09/14/2011
Hirokazu Yoshida	09/13/2011
Noboru Kawabata	09/14/2011
Hironori Yokoyama	09/19/2011

RECEIVING PARTY DATA

Name:	Sony Corporation	
Street Address:	Street Address: 1-7-1 Konan, Minato-ku	
City:	Tokyo	
State/Country:	JAPAN	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13162060

CORRESPONDENCE DATA

Fax Number: (312)876-7934 **Phone**: 3128768000

Email: patents@snrdenton.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

via US Mail.

Correspondent Name: SNR DENTON US LLP

PATENT

REEL: 026973 FRAME: 0389

IOP \$40,00 13162060

 Address Line 1:
 P.O. BOX 061080

 Address Line 4:
 CHICAGO, ILLINOIS 60606-1080

 ATTORNEY DOCKET NUMBER:
 09792909-8336

 NAME OF SUBMITTER:
 David R. Metzger

Total Attachments: 3

source=20110927_S11P0965US00-Assgmt#page1.tif source=20110927_S11P0965US00-Assgmt#page2.tif source=20110927_S11P0965US00-Assgmt#page3.tif

PATENT REEL: 026973 FRAME: 0390

Attorney Docket No. 09792909-8336 SONY Ref. No.: S11P0965US00

ASSIGNMENT

WHEREAS, I, as below named inventors, residing at the addresses stated next to our names, am a sole inventor (if only one name is listed below) or a joint inventor (if plural names are listed below) of certain new and useful improvements in SOLID-STATE IMAGING DEVICE AND ELECTRONIC APPARATUS

for which application for Letters Patent of the United States of America was executed by me on the date indicated next to my name and address;

AND WHEREAS, SONY CORPORATION, a Japanese corporation, with offices at 1-7-1 Konan, Minato-ku, Tokyo, 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, as a sole or joint inventor as indicated below, by these presents do hereby assign, sell and transfer unto the said ASSIGNEE, its successors, assigns, and legal representatives, the entire right, title and interest in the 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 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 the 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 the 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.

	this application to insert the serial number and filing date of this application in
he spaces that follow: Serial Number: 13/162,060	, Filing Date: <u>June 16, 2011</u> .
This assignment executed on the dates indicated below.	
KEIJI SASANO	
Name of first or sole inventor	Execution date of U.S. Patent Application
TOKYO JAPAN	
Residence of First or sole inventor	
Serii Sagano	September 8.2011
Signature of first or sole inventor	Date of this assignment
HIROAKI TANAKA	
Name of second inventor	Execution date of U.S. Patent Application
KANAGAWA JAPAN	
Residence of second inventor	
Hiroaki Tanaka	September 7, 2011
Signature of second inventor	Date of this assignment
HIROKI HAGIWARA	
Name of third inventor	Execution date of U.S. Patent Application
KANAGAWA JAPAN	
Residence of third inventor	0 / 2 0 1 1
Hiroki Hagiwara	September 8.2011
Signature of third inventor	Date of this assignment

PATENT REEL: 026973 FRAME: 0391

ADDITIONAL INVENTOR(S)

YUKI ISUJI	
Name of fourth inventor	Execution date of U.S. Patent Application
KANAGAWA JAPAN	
Residence of fourth inventor	_
	September 9 2011
Signature of fourth inventor	Date of this assignment
orginature of fourth inventor	Dute of this assignment
TSUYOSHI WATANABE	
Name of fifth inventor	Execution date of U.S. Patent Application
KANAGAWA JAPAN	
Residence of fifth inventor	
	Sentar Low 9 2011
Tourshi Watarahe Signature of fifth inventor	Date of this assignment
Signature of their inventor	Date of this assignment
KOJI TSUCHIYA	
Name of sixth inventor	Execution date of U.S. Patent Application
KANAGAWA JAPAN	
Residence of sixth inventor	
Signature of sixth inventor	September. 9. 2011 Date of this assignment
Signature of sixth inventor	Date of this assignment
KENZO TANAKA	
Name of seventh inventor	Execution date of U.S. Patent Application
KAGOSHIMA, JAPAN	Execution date of 0.0.1 atom rippineation
Residence of seventh inventor	
	S nto Law 13 2011
Ken 20. Tanaka Signature of seventh inventor	Date of this assignment
Signature of seventif inventor	Date of this assignment
TAKAYA WADA	
Name of eighth inventor	Execution date of U.S. Patent Application
MIYAZAKI, JAPAN	
Residence of eighth inventor Takaya Wada	
- 114010 20 105N100 September 14201 /W	September .14.2011
Signature of eighth inventor	Date of this assignment
HIROKAZU YOSHIDA	
Name of ninth inventor	Execution date of U.S. Patent Application
KAGOSHIMA, JAPAN	2 and of o.o. I mont repriorition
Residence of ninth inventor	
	Contambar 13 2011
Hitoka zu Yoshida Signature of ninth inventor	September 13.20// Date of this assignment
Signature of filling inventor	Date of this assignment

ADDITIONAL INVENTOR(S)

NOBORU KAWABATA	
Name of tenth inventor	Execution date of U.S. Patent Application
KAGOSHIMA, JAPAN Residence of tenth inventor	
Noboru, Kawabata Signature of tenth inventor	September, 14, 2011 Date of this assignment
Signature of tenth inventor	Date of this assignment
HIRONORI YOKOYAMA	
Name of eleventh inventor	Execution date of U.S. Patent Application
KAGOSHIMA, JAPAN Residence of eleventh inventor	
Hironori Yoko yama Signature of eleventh inventor	September 14. 2011 Date of this assignment
Signature of eleventh inventor	Date of this assignment
Name of twelfth inventor	Execution date of U.S. Patent Application
Residence of twelfth inventor	
Signature of twelfth inventor	Date of this assignment
organical of the first inventor	Dute of this assignment
Name of thirteen inventor	Execution date of U.S. Patent Application
Residence of thirteen inventor	
residence of diffeen inventor	
Signature of thirteen inventor	Date of this assignment
Name of fourteen inventor	Execution date of U.S. Patent Application
Residence of fourteen inventor	
6:	
Signature of fourteen inventor	Date of this assignment
Name of fifteen inventor	Execution date of U.S. Patent Application
Name of fitteen inventor	Execution date of 0.5. Patent Application
Residence of fifteen inventor	
Signature of fifteen inventor	Date of this assignment
-	3

PATENT REEL: 026973 FRAME: 0393