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OVER SHEET

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To the Director of the U.S. Patent and Trademark Office: Please	record the attached documents or the new address(es) below.
Name of conveying party(ies):	2. Name and address of receiving party(ies)
Kenju Nishikido (10/03/2011) and Kazunori Nagahata (10/03/2011)	Name: Sony Corporation
Additional name(s) of conveying party(ies) attached? Yes X No	Internal Address: Street Address:
3. Nature of conveyance/Execution Date(s):	1-7-1 Konan Minato-Ku, Tokyo
Execution Date(s): in parentheses after inventor name X Assignment Merger Change of Name	108-0075 JAPAN
Security Agreement Joint Research Agreement	City:
Government Interest Assignment	State:
Executive Order 9424, Confirmatory License	Country: Zip:
Other	Additional name(s) & address(es) Yes X No attached?
4. Application or patent number(s): A. Patent Application No.(s) This application	This document is being filed together with a new application. B. Patent No.(s)
Additional numbers attached	? Yes X No
Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
Name: Christopher M. Tobin RADER, FISHMAN & GRAUER PLLC	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00
Internal Address: Atty. Dkt.: SON-4913 Street Address: 1233 20th Street, N.W. Suite 501	X Authorized to be charged to deposit account Enclosed None required (government interest not affecting title)
City: Washington	8. Payment Information
State: DC Zip: 20036	
Phone Number: (202) 955-3750 Fax Number: (202) 955-3751	Deposit Account Number 18-0013
Fax Number: (202) 955-3751 Email Address: cmt@ragerfishman.com	Authorized User Name Christopher M. Tobin
9. Signature:	October 19, 2011
Signature .	10/25/2011 AMULLINS 00000001 19, 2011 133174
Christopher M. Tobin - 40,290 Name of Person Signing	sheet, attachments, and documents:

PATENT REEL: 027240 FRAME: 0578

Attorney Docket No. 80001-4913 SONY Ref. No.: S11P1957US00

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. It 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 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 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.

ns assignment and out-		
and I hereby authorize and request my attorney(s) of record in	this application to insert the serial number and filing date of this applicatFiling Date:	
his assignment executed on the dates indicated below.		
KENJU NISHIKIDO		
Name of first or sole inventor KUMAMOTO JAPAN	Execution date of U.S. Patent Application	
Residence of First or sole inventor	October 3, 2011	
Signature of first or sole inventor	Date of this assignment	
KAZUNORI NAGAHATA		
Name of second inventor KUMAMOTO JAPAN	Execution date of U.S. Patent Application	
Residence of second inventor Kazurori Nagalieta	ator 3:2011	
Signature of second inventor	Date of this assignment	
Name of third inventor	Execution date of U.S. Patent Application	
Residence of third inventor		
Signature of third inventor	Date of this assignment	

PATENT REEL: 027240 FRAME: 0579