Form Pf0-1595 (Rev 01-09)
OMB No 0651-0027 (exp 02/28/2009)

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PATENTS

04/11/2011

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To the Director of the U.S. Patent and Trademark Office Please	recoru την απάστησα documents or the new address(es) below
1. Name of conveying party(ies):	2. Name and address of receiving party(ies)
Mınoru İshida	Name Sony Corporation
	Internal Address
Additional name(s) of conveying party(ies) attached? Yes X No	Street Address
3. Nature of conveyance/Execution Date(s)	1-7-1 Konan
Execution Date(s) February 23, 2011	Minato-Ku, Tokyo
X Assignment Merger Change of Name	108-0075 JAPAN
	City
Government Interest Assignment	State
Executive Order 9424, Confirmatory License	CountryZip
Other	Additional name(s) & address(es) Yes X No attached?
A Patent Application No (s) 12/929,984	B Patent No (s)
Additional numbers attached	7 Yes X No
5. 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-4727	
Street Address 1233 20th Street, N W	X Authorized to be charged to deposit account
Suite 501	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
Email Address cmt@raderfishman.com	Authorized User Name Christopher M Tobin
9. Signature:	
- 4/0	April 7, 2011
Signature	Date
Christopher M Tobin - 40,290 Name of Person Signing	64/117661 hukh66476Npa 9988888000 intages 12223
Name of Ferson Digning	N1 FC:8021 48.88 IN

PATENT REEL: 026147 FRAME: 0127

Attorney Docket No. 80001-4727 SONY Ref. No.: S11P0340US00

ASSIGNMENT

WHEREAS, I, as below named inventors, residing at the addresses stated next to our names, am a sole inventor (1f only one name 1s listed below) or a joint inventor (if plural names are listed below) of certain new and useful improvements in IMAGING APPARATUS, IMAGE PROCESSING APPARATUS, IMAGE PROCESSING METHOD, AND PROGRAM

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 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

This assignment executed on the dates indicated below.	this application to insert the serial number and filing date of this application in Filing Date:
MINORU ISHIDA	
Name of first or sole inventor TOKYO JAPAN	Execution date of U.S. Patent Application
Residence of First or sole inventor	
Minoru Ishida	
Signature of first or sole inventor	Date of this assignment
Name of second inventor	Execution date of U.S. Patent Application
Residence of second inventor	
Signature of second inventor	Date of this assignment
Name of third inventor	Execution date of U.S. Patent Application
Residence of third inventor	
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Sie Eto Rote d'in 194/197/2011	Date of this are Electron 128