U.S. PTO 12/588941 11/03/2009

RECORDATION FORM CO'

Form PTO-1595 (Rev. 03-09) OMB No. 0651-0027 (exp. 03/31/2009) 11-12-2009

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PATENTS	103580380
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)
Masaharu Hosoi (10/30/2009) and Makoto Kanai (10/30/2009)	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
Execution Date(s) in parentheses after inventor name	Minato-Ku, Tokyo 108-0075
X Assignment Merger Change of Name	JAPAN
Security Agreement Joint Research Agreement	City:
Government Interest Assignment	State:
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4. Application or patent number(s):  A. Patent Application No.(s)  This application	his 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 Internal Address: Atty. Dkt.: SON-4345	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00
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)
	8. Payment Information
State: DC Zip: 20036	
Phone Number: (202) 955-3750	
Fax Number: (202) 955,8751	Deposit Account Number 18-0013  Authorized User Name Christopher M Tobio
Email Address: cmt@raderishman.com	Authorized User Name Christopher M. Tobin
9. Signature:	11/10/2009 DEYRNE NEGREGARS 2008 5009 2588941
Signature	01 FC:8021 48.00 IAate
Christopher M. Tobin - 40,290  Name of Person Signing	Total number of pages including cover sheet, attachments, and documents: 2
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**REEL: 023511 FRAME: 0183** 

Attorney Docket No. SON-4345 SONY Ref. No.: S09P1890US00

## **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 listerable) or a joint inventor (if plural names are listed below) of certain new and useful improvements in

## ZOOM LENS AND IMAGE PICKUP DEVICE

RECORDED: 11/03/2009

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 (hereinaftereferred to as ASSIGNEE) is desirous of acquiring all interest in, to and under said invention, said application disclosing the invention and in, 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 sufficienc 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 complications 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 it designee, as ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without further emuneration, 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 fo application for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Letter 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.

he spaces that follow: Serial Number:	this application to insert the serial number and filing date of this application, Filing Date:
This assignment executed on the dates indicated below.	
MASAHARU HOSOI	Octofer 30, 2009  Execution date of U.S. Patent Application
Name of first or sole inventor TOKYO JAPAN	Execution date of U.S. Patent Application
Residence of First or sole inventor  Masaharu Hosok	October 30, 2009
Signature of first or sole inventor	Date of this assignment
MAKOTO KANAI	Execution date of U.S. Patent Application
Name of second inventor TOKYO JAPAN	Execution date of U.S. Patent Application
Residence of second inventor	Oct 30, 2009 Date of this assignment
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

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PATENT REEL: 023511 FRAME: 0184