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To the Director of the U.S. Patent and Trademark Office: Please record the

1. Name of conveying party(ies):
Atsushi OHATA (01/22/2010), Daisuke KURODA (01/25/2010), and Masayuki MURATA (01/22/2010)
Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)
Name: SONY CORPORATION
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108-0075
JAPAN
City: _____
State: _____
Country: _____ Zip: _____
Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance/Execution Date(s):
Execution Date(s): in parentheses after inventor name
 Assignment Merger Change of Name
 Security Agreement Joint Research Agreement
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other _____

4. Application or patent number(s): This document is being filed together with a new application.
A. Patent Application No.(s) THIS APPLICATION 12656426
B. Patent No.(s) _____
Additional numbers attached? Yes No

6. Total number of applications and patents involved: 1

5. Name and address to whom correspondence concerning document should be mailed:
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7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00
 Authorized to be charged to deposit account
 Enclosed
 None required (government interest not affecting title)

8. Payment Information
Deposit Account Number 18-0013
Authorized User Name Christopher M. Tobin

9. Signature:
Signature _____ Date January 29, 2010
Christopher M. Tobin - 40,290
Name of Person Signing _____ Total number of pages including cover sheet, attachments, and documents: 2

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 li below) or a joint inventor (if plural names are listed below) of certain new and useful improvements in
IMAGE CAPTURING APPARATUS AND OPTICAL ADJUSTMENT METHOD

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 adre

AND WHEREAS, **SONY CORPORATION**, a Japanese corporation, with offices at 1-7-1 Konan, Minato-ku, Tokyo, Japan (hereina referred to as ASSIGNEE) is desirous of acquiring all interest in, to and under said invention, said application disclosing the invention and ir and under any Letters Patent or similar legal protection which may be granted therefor in the United States and in any and all foreign countrie

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficie 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 said ASSIGNEE, its successors, assigns, and legal representatives, the entire right, title and interest in the said invention, said applicat including any divisions and continuations thereof, and in and to any and all Letters Patent of the United States, and countries foreign ther which may be granted for said invention, and in and to any and all priority rights and/or convention rights under the International Convention the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other internatic 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 applications for patents or securing of patents in the United States and countries foreign thereto, and I hereby authorize and request Commissioner of Patents to issue the said United States Letters Patent to said ASSIGNEE, as the assignee of the whole right, title and inte thereto;

And I further agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or designee, as ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without futr remuneration, in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of 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 application for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Let 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 s application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and v 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 v this assignment and sale.

And I hereby authorize and request my attorney(s) of record in this application to insert the serial number and filing date of this applicator the spaces that follow: Serial Number: _____, Filing Date: _____.

This assignment executed on the dates indicated below.

<u>ATSUSHI OHATA</u> Name of first or sole inventor	_____	Execution date of U.S. Patent Application
<u>TOKYO JAPAN</u> Residence of First or sole inventor	_____	_____
<u>Atsushi Ohata</u> Signature of first or sole inventor	_____	<u>January 22, 2010</u> Date of this assignment
<u>DAISUKE KURODA</u> Name of second inventor	_____	Execution date of U.S. Patent Application
<u>KANAGAWA JAPAN</u> Residence of second inventor	_____	_____
<u>Daisuke Kuroda</u> Signature of second inventor	_____	<u>January 25, 2010</u> Date of this assignment
<u>MASAYUKI MURATA</u> Name of third inventor	_____	Execution date of U.S. Patent Application
<u>TOKYO JAPAN</u> Residence of third inventor	_____	_____
<u>Masayuki Murata</u> Signature of third inventor	_____	<u>January 22, 2010</u> Date of this assignment