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1. Name of conveying party(ies)/Execution Date(s):
Hidehiko SEKIZAWA,
Ken MASHITANI,
Hideaki YOSHIDA,
Tadashi UCHIUMI,
Execution Date(s) 11/26/2007, 11/13/2007, 11/28/2007, 11/16/2007
Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)
Name: Sony Corporation
Internal Address: _____
Street Address: 7-35 Kitashinagawa
6-Chome, Shinagawa-ku, Tokyo, Japan
City: _____
State: _____
Country: _____ Zip: _____
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 Assignment Merger
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4. Application or patent number(s):
A. Patent Application No.(s)
Additional numbers attached? Yes No

This document is being filed together with a new application.
B. Patent No.(s)
11/922901

5. Name and address to whom correspondence concerning document should be mailed:
Name: Robert J. Depke
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6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00
 Authorized to be charged by credit card
 Authorized to be charged to deposit account
 Enclosed
 None required (government interest not affecting title)

8. Payment Information
a. Credit Card Last 4 Numbers _____
Expiration Date _____
b. Deposit Account Number 50-3891
Authorized User Name Robert J. Depke

9. Signature: Signature
Date: 12/21/07
Name of Person Signing: Robert J. Depke
Total number of pages including cover sheet, attachments, and documents: 6

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PATENT
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FLH File No.

ASSIGNMENT

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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

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 108-0075 Japan, SANYO ELECTRIC CO., LTD., a Japanese corporation, with offices at 5-5, Keihan-Hondori 2-chome, Moriguchi-shi, Osaka 570-8677 Japan, OLYMPUS IMAGING CORPORATION, a Japanese corporation, with offices at 43-2, Hatagaya 2-chome, Shibuya-ku, Tokyo 151-0072 Japan, SHARP KABUSHIKI KAISHA, a Japanese corporation, with offices at 22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka 545-8522 Japan (hereinafter referred to as ASSIGNEE) are 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.

And I hereby authorize and request my attorney(s) of record in this application to insert the serial number and filing date of this application in the spaces that follow: International Serial Number: PCT/JP2006/313023, International Filing Date: 29 June 2006.

This assignment executed on the dates indicated below.

Hidehiko SEKIZAWA

Name of first or sole inventor

Execution date of U.S. Patent Application

Tokyo, Japan

Residence of first or sole inventor

Hidehiko Sekizawa
Signature of first or sole inventor

26 Nov. 2007
Date of this assignment

Ken MASHITANI

Name of second inventor

Execution date of U.S. Patent Application

Osaka, Japan

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Ken Mashitani

Nov. 13, 2007

Signature of second inventor

Date of this assignment

Hideaki YOSHIDA

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Signature of third inventor

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16 Nov. 2007

Signature of fourth inventor

Date of this assignment