| QMB No. 0651-0027 (exp. 6/30/2005) | U <u>nited States Patent and Trademark Office</u> | | |
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| Name of conveying party(les)/Execution Date(s): | 2. Name and address of receiving party(ies) | | |
| YUSUKE OHNISHI (12/25/2007), TOMOYUKI | | | |
| KUBOTERA (12/25/2007), RYO KOTAKE | | | |
| (12/25/2007), HISAOKI OBA (12/25/2007), AND | Name: SONY CORPORATION | | |
| | Internal Address: | | |
| Execution Date(s): in parentheses after inventor name | Street Address: | | |
| Additional name(s) of conveying party(jes) attached? X Yes No | 1-7-1 Konan, Minato-ku | | |
| | Tokyo | | |
| 3. Nature of Conveyance: X Assignment Merger | 108-0075 JAPAN | | |
| | | | |
| Security Agreement Change of Name | 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) 12/011,657 | This document is being filed together with a new application. B. Patent No.(s) | | |
| Additional numbers attached? | , <u>-</u> | | |
| 5. Name and address to whom correspondence concerning document should be mailed: | 6. Total number of applications and patents involved: | | |
| Name: Dennis M. Smid, Esq. | | | |
| LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP | 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 | | |
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| LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP Internal Address: Atty. Dkt.: Street Address: 600 South Avenue West City: Westfield State: NJ Zip:07090 | Authorized to be charged by credit card X Authorized to be charged to deposit account Enclosed None required (government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers | | |
| LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP Internal Address: Atty. Dkt.: Street Address: 600 South Avenue West City: Westfield State: NJ Zip: 07090 Phone Number: (908) 518-6374 | Authorized to be charged by credit card X 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 | | |
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| LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP Internal Address: Atty. Dkt.: Street Address: 600 South Avenue West City: Westfield State: NJ Zip: 07090 Phone Number: (908) 518-6374 Fax Number: (908) 654-0415 | Authorized to be charged by credit card X 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 12-1095 | | |
| LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP Internal Address: Atty. Dkt.: Street Address: 600 South Avenue West City: Westfield State: NJ Zip: 07090 Phone Number: (908) 518-6374 Fax Number: (908) 654-0415 Email Address: dsmid@ldlkm.com | Authorized to be charged by credit card X 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 Authorized User Name Dennis M. Smid, Esq. | | |

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PATENT REEL: 020933 FRAME: 0400

| Form PTO-1595 | | (continued) | |
|---------------------------------|-------------------|---------------------------------|------|
| Additional Conveyir | ng Party(ies)/Exe | ecution Date(s) (1. Continued); | |
| Noriaki Takagi (12/25/ | 2007) | | |
| | | | |
| Additional Assignee | s (2. Continued |): | |
| Assignee Name: | | | |
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| Street Address: | | | |
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| | | | |
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| Street Address: | | | |
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| City: | State: | Country: | Zip: |
| Assignee Name: | | | |
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| Street Address: | | | |
| | | | |
| City: | State: | Country: | Zip: |
| Additional Application | ons and/or Pater | nts (4. Continued): | |
| Additional Patent Application I | Numbers | Additional Patent Numbers | |
| 4A. Continued: | | 4B. Continued: | |
| | | | |
| | | | |
| | | | |
| | | | |
| | Additional numbe | rs attached? Yes No | |

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Docket No.:

Docket No.: SONYJP 3.0-1558 Sony Ref. No.: S08P0160US00

ASSIGNMENT

WHEREAS, I, as a below named inventor, residing at the address stated next to my name, 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:

IMAGE CAPTURE 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 referenced 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, my 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, 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 of applications for United States 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 application number and filing date of this application in the spaces that follow: Application Number: 2/011/657 Filing Date: January 29, 2008

This assignment executed on the dates indicated below.

| | Execution Date of U.S. Patent Application | |
|--|---|--|
| Yusuke Ohnishi Name of First or Solc Inventor | | |
| Kanagawa, Japan | | |
| Residence of First or Sole Inventor YUSUKE OHNISHI | December 25, 2007 | |
| Signature of First or Sole Inventor | Date of this Assignment | |

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PATENT REEL: 020933 FRAME: 0402

Docket No.: SONYJP 3.0-1558 Sony Ref. No.: S08P0160US00 Page 2

| | December 25, 2007 |
|---|---|
| Tomovuki Kubotera | · |
| Name of Second Joint Inventor | Execution Date of U.S. Patent Application |
| Tokyo, Japan | |
| Residence of Second Joint Inventor | December 25, 2007 |
| Signature of Second Joint Inventor | Date of this Assignment |
| • | December 20- 2007 |
| Name of Third Joint Inventor | Execution Date of U.S. Patent Application |
| Kanagawa, Japan | |
| Residence of Third Joint Inventor | Detember 21, 2007 |
| Signature of Third Joint Inventor | Date of this Assignment |
| | Dec. 25. 2007. |
| Hisaoki Oba Name of Fourth Joint Inventor | Execution Date of U.S. Patent Application |
| Name of Pointin Joint Hyenrol | |
| Tokyo, Japan | |
| Residence of Fourth Joint Inventor | Dec. 25.2007. |
| Signature of Fourth Joint Inventor | Date of this Assignment |
| 27 4 3 5 70 1 c - 4 | Jes 25, 200 7 |
| Noriaki Takagi Name of Fifth Joint Inventor | Execution Date of U.S. Patent Application |
| Tokyo, Japan | |
| Residence of Fifth Joint Inventor Novels Zalez 4 | Dos. 25. 2007 |
| Signature of Fifth Joint Inventor | Date of this Assignment |

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