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### RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)/Execution Date(s):**  
AKIRA KATAYAMA (07/26/2011),  
YOSHINORI OGAKI (07/26/2011), MAKOTO  
KOREHISA (07/26/2011), AND KAYO  
WATANABE (07/28/2011)

Execution Date(s): in parentheses after inventor name  
Additional name(s) of conveying party(ies) attached?  Yes  No

- 3. Nature of Conveyance:**
- Assignment  Merger
  - Security Agreement  Change of Name
  - Government Interest Assignment
  - Executive Order 9424, Confirmatory License
  - Other \_\_\_\_\_

**2. Name and address of receiving party(ies)**

Name: SONY CORPORATION  
 Internal Address: \_\_\_\_\_  
 Street Address: \_\_\_\_\_  
1-7-1 Konan, Minato-ku  
Tokyo  
108-0075  
JAPAN  
 City: \_\_\_\_\_  
 State: \_\_\_\_\_  
 Country: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Additional name(s) & address(es) attached?  Yes  No

**4. Application or patent number(s):**

A. Patent Application No.(s)  
13/211,392

Additional numbers attached?  Yes  No

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

**5. Name and address to whom correspondence concerning document should be mailed:**

Name: Dennis M. Smid, Esq.  
LERNER, DAVID, LITTENBERG,  
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**6. Total number of applications and patents involved:**

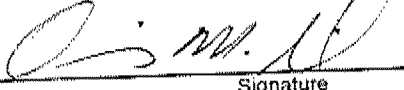
**7. Total fee (37 CFR 1.21(h) & 3.41)** \$ 40.00

- 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 12-1095  
 Authorized User Name Dennis M. Smid, Esq.

**9. Signature:**  \_\_\_\_\_  
 Signature Date August 17, 2011

Dennis M. Smid, Esq. - 34,930  
 Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

CH \$40.00 121095 13211392

Attorney Docket No. SONYJP 3.0-2594  
SONY Ref. No.: S11P1536US00

**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 listed below) or a joint inventor (if plural names are listed below) of certain new and useful improvements in INFORMATION PROCESSING APPARATUS AND INFORMATION PROCESSING 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 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.

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: Serial Number: 13/211,392, Filing Date: August 17, 2011

This assignment executed on the dates indicated below.

AKIRA KATAYAMA  
Name of first or sole inventor  
TOKYO JAPAN  
Residence of first or sole inventor  
Akira Katayama  
Signature of first or sole inventor

Execution date of U.S. Patent Application  
July 26, 2011  
Date of this assignment

YOSHINORI OGAKI  
Name of second inventor  
CHIBA JAPAN  
Residence of second inventor  
Yoshinori Ogaki  
Signature of second inventor

Execution date of U.S. Patent Application  
July 26, 2011  
Date of this assignment

MAKOTO KOREHISA  
Name of third inventor  
KANAGAWA JAPAN  
Residence of third inventor  
Makoto Korehisa  
Signature of third inventor

Execution date of U.S. Patent Application  
July 26, 2011  
~~July 26, 2011~~  
Date of this assignment  
July 26, 2011 H.K.

Attorney Docket No. SONYJP 3.0-2594  
SONY Ref. No.: S11P1536US00

**ADDITIONAL INVENTOR(S)**

KAYO WATANABE  
Name of fourth inventor  
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Residence of fourth inventor  
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Signature of fourth inventor

Execution date of U.S. Patent Application  
  
Date of this assignment  
*7/28 2011*

Name of fifth inventor  
  
Residence of fifth inventor  
  
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Execution date of U.S. Patent Application  
  
Date of this assignment

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Execution date of U.S. Patent Application  
  
Date of this assignment