

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3443602

|                                                                                                                                                                                                 |                              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| <b>SUBMISSION TYPE:</b>                                                                                                                                                                         | NEW ASSIGNMENT               |
| <b>NATURE OF CONVEYANCE:</b>                                                                                                                                                                    | ASSIGNMENT                   |
| <b>CONVEYING PARTY DATA</b>                                                                                                                                                                     |                              |
| <b>Name</b>                                                                                                                                                                                     | <b>Execution Date</b>        |
| HOROYUKI OHMORI                                                                                                                                                                                 | 01/22/2015                   |
| MASANORI HOSOMI                                                                                                                                                                                 | 01/22/2015                   |
| KAZUHIRO BESSHO                                                                                                                                                                                 | 01/23/2015                   |
| YUTAKA HIGO                                                                                                                                                                                     | 01/26/2015                   |
| KAZUTAKA YAMANE                                                                                                                                                                                 | 01/26/2015                   |
| HIROYUKI UCHIDA                                                                                                                                                                                 | 01/22/2015                   |
| TETSUYA ASAYAMA                                                                                                                                                                                 | 01/28/2015                   |
| <b>RECEIVING PARTY DATA</b>                                                                                                                                                                     |                              |
| <b>Name:</b>                                                                                                                                                                                    | SONY CORPORATION             |
| <b>Street Address:</b>                                                                                                                                                                          | 1-7-1 KONAN                  |
| <b>City:</b>                                                                                                                                                                                    | MINATO-KU, TOKYO             |
| <b>State/Country:</b>                                                                                                                                                                           | JAPAN                        |
| <b>Postal Code:</b>                                                                                                                                                                             | 108-0075                     |
| <b>PROPERTY NUMBERS Total: 1</b>                                                                                                                                                                |                              |
| <b>Property Type</b>                                                                                                                                                                            | <b>Number</b>                |
| <b>Application Number:</b>                                                                                                                                                                      | 14752126                     |
| <b>CORRESPONDENCE DATA</b>                                                                                                                                                                      |                              |
| <b>Fax Number:</b>                                                                                                                                                                              | (312)827-8185                |
| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i> |                              |
| <b>Phone:</b>                                                                                                                                                                                   | 312-372-1121                 |
| <b>Email:</b>                                                                                                                                                                                   | chicago.patents@klgates.com  |
| <b>Correspondent Name:</b>                                                                                                                                                                      | THOMAS C. BASSO              |
| <b>Address Line 1:</b>                                                                                                                                                                          | P.O. BOX 1135                |
| <b>Address Line 4:</b>                                                                                                                                                                          | CHICAGO, ILLINOIS 60690-1135 |
| <b>ATTORNEY DOCKET NUMBER:</b>                                                                                                                                                                  | 3712174-03908                |
| <b>NAME OF SUBMITTER:</b>                                                                                                                                                                       | THOMAS C. BASSO              |
| <b>SIGNATURE:</b>                                                                                                                                                                               | /Thomas C. Basso/            |
| <b>DATE SIGNED:</b>                                                                                                                                                                             | 07/17/2015                   |

**Total Attachments: 8**

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## ASSIGNMENT

WHEREAS, the undersigned, to wit: Horoyuki Ohmori, Masanori Hosomi, Kazuhiro Bessho, Yutaka Higo, Kazutaka Yamane, Hiroyuki Uchida and Tetsuya Asayama (hereinafter "ASSIGNORS"), are the lawful owners of an invention entitled: MEMORY ELEMENT AND MEMORY DEVICE, for which a patent application of the United States was filed on December 3, 2014 in the United States Patent and Trademark Office having Application Serial No. 14/559,167;

AND WHEREAS, SONY CORPORATION (hereinafter "ASSIGNEE"), having its principal office and place of business at 1-7-1 Konan, Minato-ku, Tokyo 108-0075 Japan, desires to acquire the entire right, title, and interest therein;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, said ASSIGNOR does hereby sell, assign, and transfer, and hereby set over unto ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right, title and interest to said invention in the United States of America and all foreign countries, including, without limitation, said invention as described in the aforesaid application, to be held and enjoyed by said ASSIGNEE, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by said ASSIGNOR had this assignment and sale not been made, including, without limitation, all rights to the aforesaid application and to any United States Letters Patent therefor, when issued together with all improvements thereon and betterments thereof, all related applications including, but not limited to, divisions, continuations, continuations-in-part, reissues and reexaminations thereof and substitutions of or for said application, and all foreign rights including the right to make application for Letters Patent for said inventions in any and all foreign countries and the right to claim priority as to the filing date under the International Convention on the basis for the aforesaid application for United States Letters Patent; and ASSIGNOR hereby authorizes and requests the Commissioner of Patents to issue all Letters Patent issuing therefrom to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives.

ASSIGNOR hereby agrees to execute any papers, provide any information and testify in any interference or litigation at the request of ASSIGNEE, its successors, assigns and legal representatives, when deemed essential to ASSIGNEE's, its successors', assigns' and legal representatives' full enjoyment, protection, enforcement and title in and to such invention and rights hereby transferred.

ASSIGNOR furthermore agrees upon request of said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, to execute any and all papers desired by said ASSIGNEE, its successors, assigns and legal representatives, for the filing and granting of foreign applications and the perfecting of title thereto in said ASSIGNEE, its successors, assigns and legal representatives.

ASSIGNOR hereby authorizes and requests the attorney(s) of record in this application to insert the serial number and filing date in the spaces above.

Signature

Date Signed

Hiroaki Ohmori

January 22, 2015

Name: Hiroaki OHMORI

Address: c/o Sony Corporation

1-7-1, Konan, Minato-ku

Tokyo 108-0075 Japan

Before me personally appeared the person whose name is subscribed to the foregoing instrument, and executed the foregoing instrument in my presence for the purpose contained therein, by signing his/her name hereto.

Signature

Date Signed

\_\_\_\_\_

\_\_\_\_\_

Signature

Masamori Hosomi

Name: Masamori HOSOMI

Date Signed

January 22, 2015

Address: c/o Sony Corporation

1-7-1, Konan, Minato-ku

Tokyo 108-0075 Japan

Before me personally appeared the person whose name is subscribed to the foregoing instrument, and executed the foregoing instrument in my presence for the purpose contained therein, by signing his/her name hereto.

Signature

\_\_\_\_\_

Date Signed

\_\_\_\_\_

Signature

Date Signed

Kazuhiro Bessho  
Name: Kazuhiro BESSHO

January 23, 2015

Address: s/o Sony Corporation  
1-7-1, Konan, Minato-ku  
Tokyo 108-0075 Japan

Before me personally appeared the person whose name is subscribed to the foregoing instrument, and executed the foregoing instrument in my presence for the purpose contained therein, by signing his/her name hereto.

Signature

Date Signed

.....

.....

Signature

Yutaka Higo  
Name: Yutaka HIGO

Date Signed

January 26, 2015

Address: c/o Sony Corporation  
1-7-1, Konan, Minato-ku  
Tokyo 108-0075 Japan

Before me personally appeared the person whose name is subscribed to the foregoing instrument, and executed the foregoing instrument in my presence for the purpose contained therein, by signing his/her name hereto.

Signature

\_\_\_\_\_

Date Signed

\_\_\_\_\_

Signature

Date Signed

Kazutaka Yamane  
Name: Kazutaka YAMANE

January 26, 2015

Address: c/o Sony Corporation  
1-7-1, Konan, Minato-ku  
Tokyo 108-0075 Japan

Before me personally appeared the person whose name is subscribed to the foregoing instrument, and executed the foregoing instrument in my presence for the purpose contained therein, by signing his/her name hereto.

Signature

Date Signed

\_\_\_\_\_

\_\_\_\_\_

Signature

*Hiroyuki Uchida*

Name: Hiroyuki UCHIDA

Date Signed

*January 22, 2015*

Address: c/o Sony Corporation

1-7-1, Konan, Minato-ku

Tokyo 108-0075 Japan

Before me personally appeared the person whose name is subscribed to the foregoing instrument, and executed the foregoing instrument in my presence for the purpose contained therein, by signing his/her name hereto.

Signature

Date Signed

Signature

Tetsuya Asayama  
Name: Tetsuya ASAYAMA

Date Signed

Jan 28th 2015

Address: c/o Sony Corporation  
1-7-1, Konan, Minato-ku  
Tokyo 108-0075 Japan

Before me personally appeared the person whose name is subscribed to the foregoing instrument, and executed the foregoing instrument in my presence for the purpose contained therein, by signing his/her name hereto.

Signature

\_\_\_\_\_

Date Signed

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