

## PATENT ASSIGNMENT COVER SHEET

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|-----------------------|
| <b>SUBMISSION TYPE:</b>                                                                                                                                                                         | NEW ASSIGNMENT              |                       |
| <b>NATURE OF CONVEYANCE:</b>                                                                                                                                                                    | ASSIGNMENT                  |                       |
| <b>CONVEYING PARTY DATA</b>                                                                                                                                                                     |                             |                       |
|                                                                                                                                                                                                 | <b>Name</b>                 | <b>Execution Date</b> |
|                                                                                                                                                                                                 | KENICHI YOSHIKAWA           | 04/17/2018            |
| <b>RECEIVING PARTY DATA</b>                                                                                                                                                                     |                             |                       |
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| <b>Postal Code:</b>                                                                                                                                                                             | 105-0023                    |                       |
| <b>PROPERTY NUMBERS Total: 1</b>                                                                                                                                                                |                             |                       |
| <b>Property Type</b>                                                                                                                                                                            | <b>Number</b>               |                       |
| <b>Application Number:</b>                                                                                                                                                                      | 15909371                    |                       |
| <b>CORRESPONDENCE DATA</b>                                                                                                                                                                      |                             |                       |
| <b>Fax Number:</b>                                                                                                                                                                              |                             |                       |
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| <b>ATTORNEY DOCKET NUMBER:</b>                                                                                                                                                                  | 114124-0180                 |                       |
| <b>NAME OF SUBMITTER:</b>                                                                                                                                                                       | SHIHO SHIMIZU               |                       |
| <b>SIGNATURE:</b>                                                                                                                                                                               | /Shiho Shimizu/             |                       |
| <b>DATE SIGNED:</b>                                                                                                                                                                             | 04/27/2018                  |                       |
| <b>Total Attachments: 2</b>                                                                                                                                                                     |                             |                       |
| source=15909371#page1.tif                                                                                                                                                                       |                             |                       |
| source=15909371#page2.tif                                                                                                                                                                       |                             |                       |

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For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto

**TOSHIBA MEMORY CORPORATION**

1-1, Shibaura 1-chome

Minato-ku, Tokyo 105-0023 Japan

(hereinafter ASSIGNEE) all right, title and interest for the United States, its territories and possessions in and to this invention relating to

**SEMICONDUCTOR DEVICE AND METHOD OF FABRICATING THE SAME**

as set forth in this United States Patent Application

check  
one ☐ executed concurrently herewith  
☐ executed on \_\_\_\_\_  
☒ Serial No 15/909,371 filed March 1, 2018

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| <i>NAMES AND SIGNATURES OF INVENTORS</i> |                                     |                             |
|------------------------------------------|-------------------------------------|-----------------------------|
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| <i>NAMES AND SIGNATURES OF WITNESSES</i> |                                     |                             |
| Name:                                    | Signature:                          | Date:                       |
| Name:                                    | Signature:                          | Date:                       |
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