

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT5276836

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
TOMOYA KAWAI	09/18/2018
TAKASHI ISHIDA	09/18/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	TOSHIBA MEMORY CORPORATION
<b>Street Address:</b>	1-1, SHIBAURA 1-CHOME
<b>City:</b>	MINATO-KU, TOKYO
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	105-0023
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16126064
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	516553US
<b>NAME OF SUBMITTER:</b>	DEJEN GEBREMICHAEL
<b>SIGNATURE:</b>	/Dejen Gebremichael/
<b>DATE SIGNED:</b>	12/11/2018
This document serves as an Oath/Declaration (37 CFR 1.63).	
<b>Total Attachments: 2</b>	
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source=516553usAssign#page2.tif	

**DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN  
APPLICATION DATA SHEET (37 CFR 1.76) AND ASSIGNMENT FOR SINGLE ASSIGNEE**

<b>Title of Invention</b>	<b>SEMICONDUCTOR MEMORY DEVICE</b>
<p>As the below named inventor, I hereby declare that:  This declaration <input type="checkbox"/> The attached application, or  is directed to: <input checked="" type="checkbox"/> United States application or PCT international application number <u>16/126,064</u>  filed on <u>September 10, 2018</u></p> <p>The above-identified application was made or authorized to be made by me.  I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.</p> <p><b>WHEREAS, Toshiba Memory Corporation</b>  (hereinafter referred to as "ASSIGNEE") having places of business at: 1-1, Shibaura 1-chome, Minato-ku,  Tokyo, 105-0023, Japan  is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent  that may be granted therefore in the United States and its territorial possessions and in any and all foreign  countries;</p> <p>NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby  acknowledged, and for other good and valuable consideration, I, by these presents do sell, assign and transfer unto  said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial  possessions and in all foreign countries (including the right to claim priority under the terms of the International  Convention and other relevant International Treaties and Arrangements from the aforesaid application) and the  entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States  and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues,  continuations, substitutions and renewals thereof.</p> <p>I hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and  any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the  assignee of my entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its  (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and  entirely as the same would have been held by me had this Assignment and sale not been made.</p> <p>Further, I agree that I will communicate to said ASSIGNEE or its (his) representatives any facts known to me  respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional,  continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any  and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything  possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said  invention in the United States and its territorial possessions and in any and all foreign countries.</p> <p>I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C.  1001 by fine or imprisonment of not more than five (5) years, or both.</p>	
<b>LEGAL NAME OF INVENTOR</b>	
Inventor: (1) <u>Tomoya Kawai</u>	Date: <u>Sept 18, 2018</u>
Signature: <u>Tomoya Kawai</u>	

<b>SUPPLEMENTAL SHEET FOR DECLARATION</b>	<b>ADDITIONAL INVENTOR(S)</b> Supplemental Sheet (for PTO/AIA/08,09) Page <u>2</u> of <u>2</u>
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Legal Name of Additional Joint Inventor, if any	
(2) <b>Takashi Ishida</b>	
Inventor's Signature <i>Takashi Ishida</i>	Date(Optional) <i>Sept. 18, 2018</i>
Legal Name of Additional Joint Inventor, if any	
(3) <b>Shuichi Toriyama</b>	
Inventor's Signature	Date(Optional)