

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Yusuke HIGASHI</td> <td>02/21/2013</td> </tr> <tr> <td>Haruki TODA</td> <td>02/25/2013</td> </tr> <tr> <td>Kenichi MUROOKA</td> <td>02/21/2013</td> </tr> <tr> <td>Satoru TAKASE</td> <td>02/15/2013</td> </tr> <tr> <td>Yuichiro MITANI</td> <td>02/21/2013</td> </tr> <tr> <td>Shuichi TORIYAMA</td> <td>02/21/2013</td> </tr> </tbody> </table>		Name	Execution Date	Yusuke HIGASHI	02/21/2013	Haruki TODA	02/25/2013	Kenichi MUROOKA	02/21/2013	Satoru TAKASE	02/15/2013	Yuichiro MITANI	02/21/2013	Shuichi TORIYAMA	02/21/2013
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<table border="1"> <tr> <td>Name:</td> <td>KABUSHIKI KAISHA TOSHIBA</td> </tr> <tr> <td>Street Address:</td> <td>1-1, Shibaura 1-chome, Minato-Ku</td> </tr> <tr> <td>City:</td> <td>Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>Japan</td> </tr> <tr> <td>Postal Code:</td> <td>105-8001</td> </tr> </table>		Name:	KABUSHIKI KAISHA TOSHIBA	Street Address:	1-1, Shibaura 1-chome, Minato-Ku	City:	Tokyo	State/Country:	Japan	Postal Code:	105-8001				
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PROPERTY NUMBERS Total: 1															
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13773954</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13773954										
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CORRESPONDENCE DATA															
<p>Fax Number: 7034132220  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: (703) 413-3000    Email: bpalmer@oblon.com    Correspondent Name: Oblon, Spivak, et al.    Address Line 1: 1940 Duke Street    Address Line 4: Alexandria, VIRGINIA 22314</p>															
ATTORNEY DOCKET NUMBER:	412313US2SRD														
NAME OF SUBMITTER:	Brian Palmer														

OP \$40.00 13773954

Signature:	/Brian Palmer/
Date:	04/04/2013
Total Attachments: 9 source=412313USASSN#page1.tif source=412313USASSN#page2.tif source=412313USASSN#page3.tif source=412313USASSN#page4.tif source=412313USASSN#page5.tif source=412313USASSN#page6.tif source=412313USASSN#page7.tif source=412313USASSN#page8.tif source=412313USASSN#page9.tif	

ASSIGNMENT

13G063965-USA-A  
(12S1084)

In consideration of value received, I, having a residence as stated below above my name, the sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are listed below) of an invention described in an application for United States patent entitled:

SEMICONDUCTOR MEMORY DEVICE AND METHOD OF CONTROLLING THE SAME

have sold and assigned and do hereby sell and assign to  
KABUSHIKI KAISHA TOSHIBA  
a Japanese corporation, having a business address at  
1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001, Japan

its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention as disclosed, shown and described in said United States patent application:

(check one)  executed concurrently herewith  
 executed on  
 Application No. 13/773,954 , filed February 22, 2013 ;

and in and to all applications for patent and patents for invention including all divisions, reissues, continuations, substitutes and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property, including rights of priority, resulting from the filing of any of said applications; and I authorize and request any official whose duty is to issue patents, to issue any patent on said invention or resulting therefrom to said Assignee, and I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing, continued prosecution, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention.

I hereby grant the following law firm the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the Rules of the U.S. Patent and Trademark Office for recordation of this document.

Oblon, Spivak, McClelland, Maier & Neustadt, L.L.P., 1940 Duke Street Alexandria, VA 22314

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13G063965-USA-A  
(12S1084)

[1st Inventor]

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*February 21, 2013*

Yusuke Higashi

Date:

[2nd Inventor]

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*Haruki Toda*

*Feb. 25, 2013*

Haruki Toda

Date:

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Kenichi Murooka

Date:

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Satoru Takase

Date:

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Date:

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[6th Inventor]

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Date:

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*Satoru Takase*

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Date:

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*Yuichiro Mitani*

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