

## 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>Masamichi SUZUKI</td> <td>07/26/2012</td> </tr> <tr> <td>Tatsuo SHIMIZU</td> <td>07/26/2012</td> </tr> <tr> <td>Atsuhiko KINOSHITA</td> <td>07/26/2012</td> </tr> </tbody> </table>		Name	Execution Date	Masamichi SUZUKI	07/26/2012	Tatsuo SHIMIZU	07/26/2012	Atsuhiko KINOSHITA	07/26/2012
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RECEIVING PARTY DATA									
<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> </table>		Name:	KABUSHIKI KAISHA TOSHIBA	Street Address:	1-1, Shibaura 1-chome, Minato-ku	City:	Tokyo	State/Country:	JAPAN
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CORRESPONDENCE DATA									
<p>Fax Number: 2024084400</p> <p>Phone: 202-408-4000</p> <p>Email: ann.denikos@finnegan.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Finnegan, Henderson, Farabow, Garrett &amp;</p> <p>Address Line 1: 901 New York Avenue, NW</p> <p>Address Line 4: Washington, DISTRICT OF COLUMBIA 20001</p>									
ATTORNEY DOCKET NUMBER:	07906.0159-00000								
NAME OF SUBMITTER:	Ann Denikos								
<p>Total Attachments: 2</p> <p>source=Assignment#page1.tif</p> <p>source=Assignment#page2.tif</p>									

OP \$40.00 13554204

JOINT INVENTION  
(U.S. Rights Only)

**ASSIGNMENT**

WHEREAS, We, the below named inventors, (hereinafter referred to as assignors, have made an invention entitled:

SEMICONDUCTOR DEVICE AND METHOD FOR MANUFACTURING THE SAME

for which we executed an application for United States Letters Patent concurrently  
herewith or on or filed an application for United States Letters  
Patent on (Application No. ); and

WHEREAS, KABUSHIKI KAISHA TOSHIBA a corporation of Japan  
whose post office address is 1-1, Shibaura 1-chome,  
Minato-ku, Tokyo, Japan (hereinafter  
referred to as assignee), is desirous of securing the entire right, title, and interest in and  
to this invention, the application for United States Letters Patent on this invention and  
the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the  
receipt of which from assignee is hereby acknowledged, we, as assignors, have sold,  
assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over  
unto the assignee, its lawful successors and assigns, our entire right, title, and interest  
in and to this invention and this application, and all divisions, and continuations thereof,  
and all Letters Patent of the United States which may be granted thereon, and all  
reissues thereof; and we hereby authorize and request the Commissioner of Patents  
and Trademarks of the United States to issue all Letters Patent for this invention to  
assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY further covenant and agree that we will, without further  
consideration, communicate with assignee, its successors and assigns, any facts known  
to us respecting this invention and testify in any legal proceeding, sign all lawful papers  
when called upon to do so, execute and deliver all papers that may be necessary or  
desirable to perfect the title to this invention in said assignee, its successors and  
assigns, execute all divisional, continuation, and reissue applications, make all rightful  
oaths and generally do everything possible to aid assignee, its successors and assigns,  
to obtain and enforce proper patent protection for this invention in the United States, it  
being understood that any expense incident to the execution of such papers shall be  
borne by the assignee, its successors and assigns.

AND, WE HEREBY authorize and request the attorneys we have empowered in  
the Declaration and Power of Attorney in this application, to insert here in parentheses  
(Application No. 13/554,204 , filed July 20, 2012 ) the filing date and  
application number of said application when known.

IN TESTIMONY WHEREOF, we have hereunto set our hands.

**First Assignor**

Name: Masamichi SUZUKI  
c/o Intellectual Property Division, Toshiba Corporation,  
Address: 1-1, Shibaura 1-chome, Minato-ku, Tokyo, Japan  
Citizenship: Japan  
Signature: Masamichi Suzuki  
Date: July 26, 2012

**Second Assignor**

Name: Tatsuo SHIMIZU  
c/o Intellectual Property Division, Toshiba Corporation,  
Address: 1-1, Shibaura 1-chome, Minato-ku, Tokyo, Japan  
Citizenship: Japan  
Signature: Tatsuo Shimizu  
Date: July 26, 2012

**Third Assignor**

Name: Atsuhiko KINOSHITA  
c/o Intellectual Property Division, Toshiba Corporation,  
Address: 1-1, Shibaura 1-chome, Minato-ku, Tokyo, Japan  
Citizenship: Japan  
Signature: Atsuhiko Kinoshita  
Date: July 26, 2012

**Fourth Assignor**

Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
Citizenship: \_\_\_\_\_  
Signature: \_\_\_\_\_  
Date: \_\_\_\_\_