

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>Yoshihiro OGAWA</td><td>11/28/2011</td></tr><tr><td>Tatsuhiko KOIDE</td><td>11/28/2011</td></tr><tr><td>Shinsuke KIMURA</td><td>11/28/2011</td></tr></tbody></table>		Name	Execution Date	Yoshihiro OGAWA	11/28/2011	Tatsuhiko KOIDE	11/28/2011	Shinsuke KIMURA	11/28/2011
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Shinsuke KIMURA	11/28/2011								
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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PROPERTY NUMBERS Total: 1									
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Property Type	Number								
Application Number:	13238997								
CORRESPONDENCE DATA									
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NAME OF SUBMITTER:	B.Carson								
Total Attachments: 1 source=ASSIGNMENT#page1.tif									

OP \$40.00 13238997

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PATENT
REEL: 027328 FRAME: 0669

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

METHOD OF MANUFACTURING SEMICONDUCTOR DEVICE

for which I/WE executed an application for United States Letters Patent concurrently herewith or filed an application for United States Letters Patent on September 21, 2011 (Application No.13/238,997); 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, I/WE, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my/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 I/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, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me/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, I/WE HEREBY authorize and request the attorneys I/we have empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application No.[Text], filed [Date]) the filing date and application number of said application when known. 13/238,997 September 21, 2011

IN TESTIMONY WHEREOF, I/We have hereunto set our hand(s).

1. FULL NAME OF SOLE OR FIRST ASSIGNOR Yoshihiro OGAWA	ASSIGNOR'S SIGNATURE <i>Yoshihiro Ogawa</i>	DATE 28/11/2011
ADDRESS c/o Intellectual Property Division, Toshiba Corporation, 1-1, Shibaura 1-chome, Minato-ku, Tokyo, Japan		CITIZENSHIP Japan
2. FULL NAME OF SECOND ASSIGNOR, IF ANY Tatsuhiko KOIDE	ASSIGNOR'S SIGNATURE <i>Tatsuhiko Koide</i>	DATE Nov. 28, 2011
ADDRESS c/o Intellectual Property Division, Toshiba Corporation, 1-1, Shibaura 1-chome, Minato-ku, Tokyo, Japan		CITIZENSHIP Japan
3. FULL NAME OF THIRD ASSIGNOR, IF ANY Shinsuke KIMURA	ASSIGNOR'S SIGNATURE <i>Shinsuke Kimura</i>	DATE 28/11/2011
ADDRESS c/o Intellectual Property Division, Toshiba Corporation, 1-1, Shibaura 1-chome, Minato-ku, Tokyo, Japan		CITIZENSHIP Japan