

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|---------------|--------------------------|----------------------------|-----------------------------------|----------------|------------|-----------------------|------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Kei WATANABE</td> <td>07/22/2009</td> </tr> <tr> <td>Akifumi GAWASE</td> <td>07/22/2009</td> </tr> <tr> <td>Kenichi OTSUKA</td> <td>07/22/2009</td> </tr> </tbody> </table> | | Name | Execution Date | Kei WATANABE | 07/22/2009 | Akifumi GAWASE | 07/22/2009 | Kenichi OTSUKA | 07/22/2009 |
| Name | Execution Date | | | | | | | | |
| Kei WATANABE | 07/22/2009 | | | | | | | | |
| Akifumi GAWASE | 07/22/2009 | | | | | | | | |
| Kenichi OTSUKA | 07/22/2009 | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">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 |
| Name: | KABUSHIKI KAISHA TOSHIBA | | | | | | | | |
| Street Address: | 1-1, Shibaura 1-chome, Minato-ku, | | | | | | | | |
| City: | Tokyo | | | | | | | | |
| State/Country: | JAPAN | | | | | | | | |
| PROPERTY NUMBERS Total: 1 | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12536631</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 12536631 | | | | |
| Property Type | Number | | | | | | | | |
| Application Number: | 12536631 | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | |
| <p>Fax Number: (202)408-4400</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 2024084000</p> <p>Email: george.hinton@finnegan.com</p> <p>Correspondent Name: FINNEGAN, HENDERSON, FARABOW, GARRETT &</p> <p>Address Line 1: 901 New York Ave., NW</p> <p>Address Line 4: Washington, DISTRICT OF COLUMBIA 20001</p> | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | 09591.0029 | | | | | | | | |
| NAME OF SUBMITTER: | George A. Hinton, Jr. | | | | | | | | |
| <p>Total Attachments: 1</p> <p>source=09591-0029-Assignment#page1.tif</p> | | | | | | | | | |

OP \$40.00 12536631

500930580

PATENT
REEL: 023062 FRAME: 0443

ASSIGNMENT

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

METHOD OF FABRICATING 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 (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, 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. 12/536,631 , filed August 6, 2009) the filing date and application number of said application when known.

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

| | | |
|--------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|-------------------------|
| 1. FULL NAME OF SOLE OR FIRST ASSIGNOR Kei WATANABE | ASSIGNOR'S SIGNATURE <i>Kei Watanabe</i> | DATE July 22, 2009 |
| ADDRESS c/o Intellectual Property Division, Toshiba Corporation, 1-1, Shibaura 1-chome, Minato-ku, Tokyo, Japan | | CITIZENSHIP Japanese |
| 2. FULL NAME OF SECOND ASSIGNOR, IF ANY Akifumi GAWASE | ASSIGNOR'S SIGNATURE <i>Akifumi Gaware</i> | DATE July 22, 2009 |
| ADDRESS c/o Intellectual Property Division, Toshiba Corporation, 1-1, Shibaura 1-chome, Minato-ku, Tokyo, Japan | | CITIZENSHIP Japanese |
| 3. FULL NAME OF THIRD ASSIGNOR, IF ANY Kenichi OTSUKA | ASSIGNOR'S SIGNATURE <i>Kenichi Otsuka</i> | DATE July 22, 2009 |
| ADDRESS c/o Intellectual Property Division, Toshiba Corporation, 1-1, Shibaura 1-chome, Minato-ku, Tokyo, Japan | | CITIZENSHIP Japanese |