

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

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>Mitsuhiro KUSHIBE</td> <td>02/21/2012</td> </tr> <tr> <td>Yasuo OHBA</td> <td>02/21/2012</td> </tr> <tr> <td>Hiroshi KATSUNO</td> <td>02/21/2012</td> </tr> <tr> <td>Kei KANEKO</td> <td>02/21/2012</td> </tr> <tr> <td>Shinji YAMADA</td> <td>02/22/2012</td> </tr> </tbody> </table>		Name	Execution Date	Mitsuhiro KUSHIBE	02/21/2012	Yasuo OHBA	02/21/2012	Hiroshi KATSUNO	02/21/2012	Kei KANEKO	02/21/2012	Shinji YAMADA	02/22/2012
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RECEIVING PARTY DATA													
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"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13406740</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13406740								
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Application Number:	13406740												
CORRESPONDENCE DATA													
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ATTORNEY DOCKET NUMBER:	395529US2RD												
NAME OF SUBMITTER:	Mesfin Kassaye												
Total Attachments: 2 source=395529USASSIGNMENT#page1.tif source=395529USASSIGNMENT#page2.tif													

OP \$40.00 13406740

13G061392-USA-A

### Assignment of Application

INSERT NAMES AND RESIDENCE ADDRESS OF THE INVENTOR:

WHEREAS, I (WE) 1) Mitsuhiro KUSHIBE of Tokyo, Japan  
2) Yasuo OHBA of Kanagawa-ken, Japan  
3) Hiroshi KATSUNO of Tokyo, Japan  
4) Kei KANEKO of Kanagawa-ken, Japan  
5) Shinji YAMADA of Tokyo, Japan

\_\_\_\_\_  
 \_\_\_\_\_, respectively,

INSERT TITLE OF INVENTION:

have invented certain new and useful improvements in: "SEMICONDUCTOR DEVICE, WAFER, METHOD FOR MANUFACTURING SEMICONDUCTOR DEVICE, AND METHOD FOR MANUFACTURING WAFER"

(Application No. 13/406,740, filed February 28, 2012), and

INSERT NAME AND ADDRESS OF COMPANY OR OTHER ASSIGNEE

WHEREAS, Kabushiki Kaisha Toshiba  
 (hereinafter referred to as "ASSIGNEE") having a place of business at: 1-1, Shibaura 1-chome, Minato-ku, Tokyo, 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;

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 (WE), 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 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.

I (WE) 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 (our) 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 (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) 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 Letter 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.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of 1940 Duke Street, Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: February 21, 2012 Mitsuhiro Kushibe  
(Signature of Inventor) Mitsuhiro KUSHIBE

Date: February 21, 2012 Yasuo Ohba  
(Signature of Inventor) Yasuo OHBA

Date: February 21, 2012 Hiroshi Katsuno  
~~Feb. 21, 2012~~ Y.O. Feb. 21, 2012 ~~Yasuo Ohba~~ Y.O. Feb. 21, 2012  
(Signature of Inventor) Hiroshi KATSUNO

Date: February 21, 2012 Kei Kaneko  
(Signature of Inventor) Kei KANEKO

Date: February 22, 2012 Shinji Yamada  
(Signature of Inventor) Shinji YAMADA

Date: \_\_\_\_\_  
(Signature of Inventor)

**OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.**  
ATTORNEYS AT LAW  
1940 DUKE STREET  
ALEXANDRIA, VIRGINIA 22314