

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>Megumi ISHIDUKI</td> <td>03/09/2012</td> </tr> <tr> <td>Masaru KIDOH</td> <td>03/09/2012</td> </tr> <tr> <td>Mitsuru SATO</td> <td>03/09/2012</td> </tr> <tr> <td>Masaru KITO</td> <td>03/09/2012</td> </tr> <tr> <td>Ryota KATSUMATA</td> <td>03/09/2012</td> </tr> </tbody> </table>		Name	Execution Date	Megumi ISHIDUKI	03/09/2012	Masaru KIDOH	03/09/2012	Mitsuru SATO	03/09/2012	Masaru KITO	03/09/2012	Ryota KATSUMATA	03/09/2012
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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> </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: (703)413-2220</p> <p>Phone: (703) 413-3000</p> <p>Email: ehasan@oblon.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: Oblon, Spivak, et al.</p> <p>Address Line 1: 1940 Duke Street</p> <p>Address Line 4: Alexandria, VIRGINIA 22314</p>													
ATTORNEY DOCKET NUMBER:	396550US2												
NAME OF SUBMITTER:	Emel Hasan												
<p>Total Attachments: 2</p> <p>source=396550USasn#page1.tif</p> <p>source=396550USasn#page2.tif</p>													

OP \$40.00 13420745

AMG061714-USA-A

Assignment of Application

INSERT NAME
AND RESIDENCE
ADDRESS OF
THE INVENTOR:

WHEREAS, I (WE) 1) Megumi ISHIDUKI 2) Masaru KIDOH
3) Mitsuru SATO 4) Masaru KITO
5) Ryota KATSUMATA
 of:
1) Mie-ken, Japan 2) Mie-ken, Japan
3) Mie-ken, Japan 4) Mie-ken, Japan
5) Mie-ken, Japan
 _____, respectively,

INSERT TITLE OF
INVENTION:

have invented certain new and useful improvements in: "NONVOLATILE SEMICONDUCTOR MEMORY DEVICE
AND METHOD FOR MANUFACTURING THE SAME"

(Application No. _____, filed _____), 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.

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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: <u>Mar. 9, 2012</u>	<u>Megumi Ishiduki</u> (Signature of Inventor) Megumi ISHIDUKI
Date: <u>Mar. 9, 2012</u>	<u>Masaru Kido</u> (Signature of Inventor) Masaru KIDOH
Date: <u>March 9, 2012</u>	<u>Mitsuru Sato</u> (Signature of Inventor) Mitsuru SATO
Date: <u>March 9, 2012</u>	<u>Masaru Kito</u> (Signature of Inventor) Masaru KITO
Date: <u>March 9, 2012</u>	<u>Ryota Katsumata</u> (Signature of Inventor) Ryota KATSUMATA
Date: _____	_____ (Signature of Inventor)
Date: _____	_____ (Signature of Inventor)
Date: _____	_____ (Signature of Inventor)

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

12/04