

PATENT ASSIGNMENT

Electronic Version v1.1

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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>Ryota KATSUMATA</td><td>10/16/2009</td></tr> <tr><td>Masaru KITO</td><td>10/20/2009</td></tr> <tr><td>Yoshiaki FUKUZUMI</td><td>10/20/2009</td></tr> <tr><td>Masaru KIDOH</td><td>10/20/2009</td></tr> <tr><td>Hiroyasu TANAKA</td><td>10/16/2009</td></tr> <tr><td>Yosuke KOMORI</td><td>10/16/2009</td></tr> <tr><td>Megumi ISHIDUKI</td><td>10/17/2009</td></tr> <tr><td>Hideaki AOCHI</td><td>10/17/2009</td></tr> </tbody> </table>		Name	Execution Date	Ryota KATSUMATA	10/16/2009	Masaru KITO	10/20/2009	Yoshiaki FUKUZUMI	10/20/2009	Masaru KIDOH	10/20/2009	Hiroyasu TANAKA	10/16/2009	Yosuke KOMORI	10/16/2009	Megumi ISHIDUKI	10/17/2009	Hideaki AOCHI	10/17/2009
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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										
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CORRESPONDENCE DATA																			
Fax Number: (703)413-2220 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: (703) 413-3000 Email: bsanchez@oblon.com Correspondent Name: Oblon, Spivak, et al. Address Line 1: 1940 Duke Street Address Line 4: Alexandria, VIRGINIA 22314																			
ATTORNEY DOCKET NUMBER:	350171US																		

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PATENT
REEL: 023458 FRAME: 0198

NAME OF SUBMITTER:

Beatriz Sanchez

Total Attachments: 2

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ACG050425-USA-A

Assignment of Application

INSERT NAMES
AND RESIDENCE
ADDRESS OF
THE INVENTORS

WHEREAS, I (WE) 1) Ryota KATSUMATA2) Masaru KITO3) Yoshiaki FUKUZUMI4) Masaru KIDOH5) Hiroyasu TANAKA6) Yosuke KOMORI7) Megumi ISHIDUKI8) Hideaki AOCHIof:1) Kanagawa-ken, Japan2) Kanagawa-ken, Japan3) Kanagawa-ken, Japan4) Tokyo, Japan5) Tokyo, Japan6) Kanagawa-ken, Japan7) Kanagawa-ken, Japan8) Kanagawa-ken, Japan

, respectively,

INSERT TITLE OF
INVENTION:

have invented certain new and useful improvements in: "NONVOLATILE SEMICONDUCTOR MEMORY
DEVICE"

(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.

12/04

PATENT
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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: October 16, 2009

Ryota Katsumata
(Signature of Inventor) Ryota KATSUMATA

Date: Oct 20, 2009

Masaru Kito
(Signature of Inventor) Masaru KITO

Date: Oct. 20, 2009

Yoshiaki Fukuzumi
(Signature of Inventor) Yoshiaki FUKUZUMI

Date: Oct 20, 2009

Masaru Kido
(Signature of Inventor) Masaru KIDOH

Date: Oct, 16, 2009

Hiroyasu Tanaka
(Signature of Inventor) Hiroyasu TANAKA

Date: Oct 16, 2009

Yosuke Komori
(Signature of Inventor) Yosuke KOMORI

Date: Oct. 17, 2009

Megumi Ishiduki
(Signature of Inventor) Megumi ISHIDUKI

Date: Oct. 17, 2009

Hideaki Aochi
(Signature of Inventor) Hideaki AOCHI

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