

## 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>Kenji GOMIKAWA</td><td>01/28/2009</td></tr><tr><td>Mitsuhiro NOGUCHI</td><td>01/28/2009</td></tr></tbody></table>	Name	Execution Date	Kenji GOMIKAWA	01/28/2009	Mitsuhiro NOGUCHI	01/28/2009	
Name	Execution Date						
Kenji GOMIKAWA	01/28/2009						
Mitsuhiro NOGUCHI	01/28/2009						
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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>12359643</td></tr></tbody></table>	Property Type	Number	Application Number:	12359643			
Property Type	Number						
Application Number:	12359643						
CORRESPONDENCE DATA							
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NAME OF SUBMITTER:	Vesna Bojanic						
Total Attachments: 2 source=337643USAssignment#page1.tif source=337643USAssignment#page2.tif							

OP \$40.00 12359643

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PATENT  
REEL: 022468 FRAME: 0117

# Assignment of Application

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INSERT NAMES  
AND RESIDENCE  
ADDRESS OF  
THE INVENTORS:

WHEREAS, I (WE) Kenji GOMIKAWA of c/o Intellectual Property Division, Toshiba Corporation,  
1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001, JAPAN; Mitsuhiro NOGUCHI of  
c/o Intellectual Property Division, Toshiba Corporation, 1-1, Shibaura 1-chome, Minato-ku,  
Tokyo 105-8001, JAPAN

INSERT TITLE  
OF INVENTION:

, respectively,  
have invented certain new and useful improvements in: NON-VOLATILE SEMICONDUCTOR MEMORY  
DEVICE AND DEPLETION-TYPE MOS TRANSISTOR

INSERT DATE IN-  
VENTORS SIGNED  
DECLARATION:

for which an application for Letters Patent was executed on \_\_\_\_\_  
(Application No. 12/359,643 , filed January 26, 2009 ), 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 105-8001, 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.

10/01

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: Jun. 28, 2009

Kenji GOMIKAWA  
(Signature of Inventor) Kenji GOMIKAWA

Date: Jan 28, 2009

Mitsuhiro NOGUCHI  
(Signature of Inventor) Mitsuhiro NOGUCHI

Date: \_\_\_\_\_

\_\_\_\_\_  
(Signature of Inventor)

Date: \_\_\_\_\_

\_\_\_\_\_  
(Signature of Inventor)

Date: \_\_\_\_\_

\_\_\_\_\_  
(Signature of Inventor)

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

10/01