PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Masaru KIDOH	04/03/2009
Hiroyasu TANAKA	04/03/2009
Yosuke KOMORI	04/03/2009
Megumi ISHIDUKI	04/03/2009
Ryota KATSUMATA	04/03/2009
Masaru KITO	04/03/2009
Yoshiaki FUKUZUMI	04/03/2009
Hideaki AOCHI	04/06/2009

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12405522

CORRESPONDENCE DATA

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PATENT

REEL: 022709 FRAME: 0124

P \$40.00 12405522

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NAME OF SUBMITTER:	Vesna Bojanic
Total Attachments: 2 source=340004USAssignment#page1.tif source=340004USAssignment#page2.tif	

PATENT REEL: 022709 FRAME: 0125

Assignment of Application

INSERT NAMES AND RESIDENCE ADDRESS OF THE INVENTORS:

WHEREAS, I (WE) 1) Masaru	ı KIDOH	2) Hiroyasu I	ANAKA	
3) Yosuko	e KOMORI	4) Megumi IS	HIDUKI	
5) Ryota	KATSUMATA	6) Masaru KI	го	
7) Yoshia	ki FUKUZUMI	8) Hideaki A(ОСНІ	
of:				
1) Tokyo,	, Japan	2) Tokyo, Jap	an	
3) Kanaga	awa-ken, Japan	4) Kanagawa	-ken, Japan	
5) Kanaga	awa-ken, Japan	6) Kanagawa	-ken, Japan	
7) Kanag	awa-ken, Japan	8) Kanagawa	-ken, Japan	
				, respectively
have invented certain new an			OLATILE SEMICONDUC	FOR MEMORY
DEVICE AND METHOD FO	JR MANUFACT	UKING SAME		
(Application No. 12/40	5,522	, filed	March 17, 2009), and
WHEREAS, Kabushik	ci Kaisha Toshiba			

CO 4 3 7 4 77 4

INSERT NAME AND ADDRESS OF

COMPANY OR OTHER ASSIGNEE

INSERT TITLE OF INVENTION:

(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.

(Signature of Inventor) Masaru KIDOH	
Date: Apr. 3, 2009 Pourgasz Fanch	
Date: April 3, 2009 Gignature of Inventor) Hiroyasu TANAKA Date: April 3, 2009	
Date: April 3, 9009 Meguni Injeliki	
(Signature of Inventor) Megumi ISHIDUKI	
Date: April 3, 2009 Tyte Lettermate (Signature of Inventor) Ryota KATSUMATA	
Date: Cpril 3, 2009 Prasau Kitc (Signature of Inventor) Masaru KITO	
Date: April 3. 2009 (Signature of Inventor) Yoshiaki FUKUZUMI (2)	
Date: April 6, 2009 (Signature of Inventor) Hideaki AOCHI	<u>~</u>

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.

ATTORNEYS AT LAW 1940 DUKE STREET ALEXANDRIA, VIRGINIA 22314

RECORDED: 05/20/2009