

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>Ryota KATSUMATA</td> <td>07/17/2009</td> </tr> <tr> <td>Masaru KITO</td> <td>07/17/2009</td> </tr> <tr> <td>Yoshiaki FUKUZUMI</td> <td>07/17/2009</td> </tr> <tr> <td>Masaru KIDOH</td> <td>07/17/2009</td> </tr> <tr> <td>Hiroyasu TANAKA</td> <td>07/17/2009</td> </tr> <tr> <td>Megumi ISHIDUKI</td> <td>07/17/2009</td> </tr> <tr> <td>Yosuke KOMORI</td> <td>07/17/2009</td> </tr> <tr> <td>Hideaki AOCHI</td> <td>07/17/2009</td> </tr> <tr> <td>Yasuyuki MATSUOKA</td> <td>08/05/2009</td> </tr> </tbody> </table>		Name	Execution Date	Ryota KATSUMATA	07/17/2009	Masaru KITO	07/17/2009	Yoshiaki FUKUZUMI	07/17/2009	Masaru KIDOH	07/17/2009	Hiroyasu TANAKA	07/17/2009	Megumi ISHIDUKI	07/17/2009	Yosuke KOMORI	07/17/2009	Hideaki AOCHI	07/17/2009	Yasuyuki MATSUOKA	08/05/2009
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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>12542276</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12542276																
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Application Number:	12542276																				
CORRESPONDENCE DATA																					
Fax Number:	(703)413-2220																				
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																					
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ATTORNEY DOCKET NUMBER:	347167US2																				

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500980881

PATENT
REEL: 023329 FRAME: 0720

NAME OF SUBMITTER:

Aynalem Assefa

Total Attachments: 2

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ACG049666-USA-A

Assignment of Application

INSERT NAMES AND RESIDENCE ADDRESSES OF THE INVENTORS:

WHEREAS, I (WE) 1) Ryota KATSUMATA
2) Masaru KITO
3) Yoshiaki FUKUZUMI
4) Masaru KIDOH
5) Hiroyasu TANAKA
6) Megumi ISHIDUKI
7) Yosuke KOMORI
8) Hideaki AOCHI
9) Yasuyuki MATSUOKA
of:
1) Kanagawa-ken, Japan
2) Kanagawa-ken, Japan
3) Kanagawa-ken, Japan
4) Tokyo, Japan
5) Tokyo, Japan
6) Kanagawa-ken, Japan
7) Kanagawa-ken, Japan
8) Kanagawa-ken, Japan
9) Kanagawa-ken, Japan

, respectively,

INSERT TITLE OF INVENTION:

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

(Application No. 12/542,276, filed August 17, 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, 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 therefor in the United States and its territorial possessions and in any and all foreign countries;

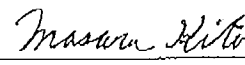
NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United 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.

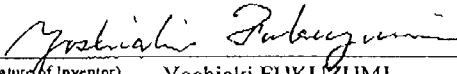
I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the 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.

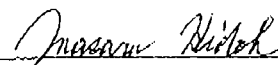
Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute 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.

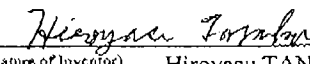
The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of 1940 Duke Street, Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order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

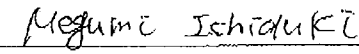
Date: July 17, 2009 
 (Signature of Inventor) Ryota KATSUMATA

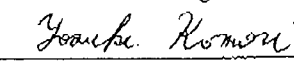
Date: July 17, 2009 
 (Signature of Inventor) Masaru KITO

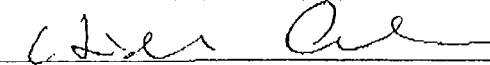
Date: July 17, 2009 
 (Signature of Inventor) Yoshiaki FUKUZUMI

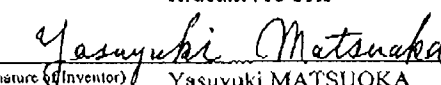
Date: July 17, 2009 
 (Signature of Inventor) Masaru KIDOH

Date: July 17, 2009 
 (Signature of Inventor) Hiroyasu TANAKA

Date: July 17, 2009 
 (Signature of Inventor) Megumi ISHIDUKI

Date: July 17, 2009 
 (Signature of Inventor) Yosuke KOMORI

Date: July 17, 2009 
 (Signature of Inventor) Hideaki AOCHI

Date: Aug 5, 2009 
 (Signature of Inventor) Yasuyuki MATSUOKA

Date: _____
 (Signature of Inventor)

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