

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT														
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT														
<b>CONVEYING PARTY DATA</b>															
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Hiroyasu TANAKA</td> <td>02/08/2008</td> </tr> <tr> <td>Ryota KATSUMATA</td> <td>02/12/2008</td> </tr> <tr> <td>Hideaki AOCHI</td> <td>02/14/2008</td> </tr> <tr> <td>Masaru KIDOH</td> <td>02/08/2008</td> </tr> <tr> <td>Masaru KITO</td> <td>02/12/2008</td> </tr> <tr> <td>Mitsuru SATO</td> <td>02/29/2008</td> </tr> </tbody> </table>		Name	Execution Date	Hiroyasu TANAKA	02/08/2008	Ryota KATSUMATA	02/12/2008	Hideaki AOCHI	02/14/2008	Masaru KIDOH	02/08/2008	Masaru KITO	02/12/2008	Mitsuru SATO	02/29/2008
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<b>RECEIVING PARTY DATA</b>															
<b>Name:</b>	KABUSHIKI KAISHA TOSHIBA														
<b>Street Address:</b>	1-1, Shibaura 1-chome, Minato-Ku														
<b>City:</b>	Tokyo														
<b>State/Country:</b>	Japan														
<b>Postal Code:</b>	105-8001														
<b>PROPERTY NUMBERS Total: 1</b>															
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td><b>Application Number:</b></td> <td>12018486</td> </tr> </tbody> </table>		Property Type	Number	<b>Application Number:</b>	12018486										
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<b>Application Number:</b>	12018486														
<b>CORRESPONDENCE DATA</b>															
<b>Fax Number:</b>	(703)413-2220														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
<b>Phone:</b>	(703) 413-3000														
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<b>Correspondent Name:</b>	Oblon, Spivak, et al.														
<b>Address Line 1:</b>	1940 Duke Street														
<b>Address Line 4:</b>	Alexandria, VIRGINIA 22314														
<b>ATTORNEY DOCKET NUMBER:</b>	321104US2														
<b>NAME OF SUBMITTER:</b>	Mai Do														

**OP \$40.00 12018486**

**PATENT**

**500507006**

**REEL: 020764 FRAME: 0312**

Total Attachments: 2

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# Assignment of Application

WHEREAS, I (WE) Hiroyasu TANAKA of Tokyo, Japan  
Ryota KATSUMATA, Hideaki AOCHI, Masaru KIDOH, Masaru KITO and Mitsuru SATO  
all of Kanagawa, Japan

INSERT NAMES  
AND RESIDENCE  
ADDRESS OF  
THE INVENTORS:

\_\_\_\_\_, respectively,

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

INSERT TITLE OF  
INVENTION:

(Application No. 12/018,486, filed January 23, 2008), and

WHEREAS, KABUSHIKI KAISHA TOSHIBA

INSERT NAME  
AND ADDRESS OF  
COMPANY OR  
OTHER ASSIGNEE

(hereinafter referred to as "ASSIGNEE") having a place of business at: 1-1-1, SHIBAURA, 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.

Date: Feb. 8, 2008

Kiroyasu Tanaka  
(Signature of Inventor)

Date: Feb. 12, 2008

Ryota Katsunata  
(Signature of Inventor)

Date: Feb 14, 2008

John Aul  
(Signature of Inventor)

Date: Feb 8, 2008

Masaru Hideo  
(Signature of Inventor)

Date: Feb 12, 2008

Masaru Hito  
(Signature of Inventor)

Date: Feb 29, 2008

Mitsuru Sato  
(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