

02-22-2005

U.S. Department of Commerce  
Patent and Trademark Office  
Attorney Docket No. 03180.0392  
Attorney Customer Number: 22,852To the Honorable Commissioner of F  
Please record the attached original documents or copy thereof.

102946399

ATTN. BOX ASSIGNMENTS RECORDATION  
SERVICES

1. Name of conveying party(ies):
- 1) Minori KAJIMOTO
  - 2) Mitsuhiro NOGUCHI
  - 3) Hiroshi MAEJIMA
  - 4) Takahiko HARA

*MLP*  
*2-16-05*

2. Name and address of receiving party(ies):
- Name: KABUSHIKI KAISHA TOSHIBA

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

Internal Address:

3. Nature of conveyance:

☒ Assignment ☐ MergerStreet Address: 1-1, Shibaura 1-chome, Minato-ku  
Tokyo, Japan☐ Security Agreement ☐ Change of Name

City:

State:

Zip Code:

☐ Other:

Additional name(s) &amp; Address(es) attached?

Execution Date: 1) January 7, 2005; 2) January 13, 2005;  
3) January 13, 2005; and 4) January 13, 2005☐ Yes ☒ No

4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application:

A. Patent Application Number(s):

10/983,617

B. Patent Number(s):

Additional numbers attached?

☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Mr. Ernest F. Chapman

6. Total number of applications and registrations involved:
- 1

7. Total fee (37 CFR 3.41): \$40

- ☒ Enclosed (Please charge deficiency to deposit account)
- ☐ Authorized to be charged to deposit account

Internal Address: FINNEGAN, HENDERSON, FARABOW, GARRETT  
& DUNNER, L.L.P.

Street Address: 901 New York Avenue, NW

City: Washington, D.C.

State: Zip: 20001-4413

8. Deposit Account No.: 06-0916

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Richard V. Burgujian  
Reg. No. 31,744

Signature

February 16, 2004  
Date

02/18/2005 DBYRNE 00000206 10983617

01 FC:8021

Total number of pages including cover sheet, attachments and documents: 3

40.00 DP

JOINT INVENTION  
(U.S. Rights Only)

### ASSIGNMENT

WHEREAS, We, the below named inventors, (hereinafter referred to as assignors, have made an invention entitled:

#### NONVOLATILE SEMICONDUCTOR MEMORY

for which we executed an application for United States Letters Patent concurrently herewith or on or filed an application for United States Letters Patent on November 9, 2004 (Application No. 10/983617 ); and

WHEREAS, KABUSHIKI KAISHA TOSHIBA , a corporation of Japan , whose post office address is 1-1, Shibaura 1-chome, Minato-ku, Tokyo, Japan (hereinafter referred to as assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from assignee is hereby acknowledged, we, as assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY further covenant and agree that we will, without further consideration, communicate with assignee, its successors and assigns, any facts known to us respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

AND, WE HEREBY authorize and request the attorneys we have empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application No. , filed ) the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, we have hereunto set our hands.

**First Assignor**

Minori KAJIMOTO

Citizenship: Japan

Signature: Minori Kajimoto

Date: 2005 Jan. 27

**Second Assignor**

Mitsuhiro NOGUCHI

Citizenship: Japan

Signature: Mitsuhiro Noguchi

Date: Jan 13, 2005

**Third Assignor**

Hiroshi MAEJIMA

Citizenship: Japan

Signature: Hiroshi Maejima

Date: Jan 13, 2005

**Fourth Assignor**

Takahiko HARA

Citizenship: Japan

Signature: Takahiko Hara

Date: Jan 13, 2005