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03-29-1999

FORM PTO-1595 (modified)
(Rev. 6-93)
OMB No. 0651-0011 (exp. 4/94)



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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
Satoru OKU; Hiroyuki KOBATAKE; Masakazu AMANAI;
Kazuaki KATO; Masaki KANEKO

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

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: March 9, 1999

2. Name and address of receiving party(ies):
Name: NEC CORPORATION
Internal Address:
Street Address: 7-1, Shiba 5-chome, Minato-ku
City: Tokyo, State: Japan ZIP:

Additional name(s) & address(es) attached? 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 is:

March 9, 1999

A. Patent Application No.(s)

B. Patent No.(s)

09/267665

Additional numbers attached? No

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

Name: David A. Blumenthal, Esq.
Internal Address: FOLEY & LARDNER
Street Address: 3000 K Street, N.W., Suite 500
City: Washington, State: D.C. ZIP: 20007-5109

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. § 3.41). \$40.00

Enclosed
 Authorized to be charged to deposit account

8. Deposit account number: 19-0741

(Attach duplicate copy of this page if paying by deposit account)

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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.

David A. Blumenthal
Name of Person Signing

Ronald Coslick
Signature

March 15, 1999
Date

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

Mail documents to be recorded with required cover sheet information to:
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U.S. PTO
09/267665
03/15/99

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto

name and address of assignee

NEC Corporation
7-1, Shiba 5-chome, Minato-ku, Tokyo, Japan

(hereinafter ASSIGNEE) all right, title and interest for the United States, its territories and possessions in and to this invention relating to

title of invention

NON-VOLATILE SEMICONDUCTOR MEMORY DEVICE

as set forth in this United States Patent Application

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in and to said United States Patent Application including any and all divisions or continuations thereof and in and to any and all Letters Patent of the United States which may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made;

Each of the undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters Patent to said ASSIGNEE, its successors or assigns in accordance herewith;

Each of the undersigned warrants and covenants that he has the full and unencumbered right to sell and assign the interests herein sold and assigned and that he has not executed and will not execute any document or instrument in conflict herewith;

Each of the undersigned further covenants and agrees he will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him relating to said invention or patent application and that he will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention;

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| NAMES AND SIGNATURES OF INVENTORS | | |
|-----------------------------------|--|------------------|
| Name: Satoru OKU | Signature: <i>Satoru Oku</i> (Seal) | Date: 09/03/1999 |
| Name: Hiroyuki KOBATAKE | Signature: <i>Hiroyuki Kobatake</i> (Seal) | Date: 09/03/1999 |
| Name: Masakazu AMANAI | Signature: <i>Masakazu Amanai</i> (Seal) | Date: 09/03/1999 |
| Name: Kazuaki KATO | Signature: <i>Kazuaki Kato</i> (Seal) | Date: 09/03/1999 |
| NAMES AND SIGNATURES OF WITNESSES | | |
| Name: | Signature: <i>Akio Masano</i> | Date: 09/03/1999 |
| Name: | Signature: <i>Shiro Muta</i> | Date: 09/03/1999 |

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ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto

name and address of assignee

NEC Corporation
7-1, Shiba 5-chome, Minato-ku, Tokyo, Japan

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in and to said United States Patent Application including any and all divisions or continuations thereof and in and to any and all Letters Patent of the United States which may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made;

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Each of the undersigned further covenants and agrees he will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him relating to said invention or patent application and that he will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention;

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| NAMES AND SIGNATURES OF INVENTORS | | |
|-----------------------------------|---|------------------|
| Name: Masaki KANEKO | Signature: <i>Masaki Kaneko</i>  | Date: 09/03/1999 |
| Name: | Signature: | Date: |
| Name: | Signature: | Date: |
| Name: | Signature: | Date: |
| NAMES AND SIGNATURES OF WITNESSES | | |
| Name: | Signature: <i>Alfred M. ...</i> | Date: 09/03/1999 |
| Name: | Signature: <i>...</i> | Date: 09/03/1999 |

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