

04-23-1998

Form PTO-1595
1-31-92U.S. DEPARTMENT OF COMMERCE
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JC542 U.S. PTO
09/05/354

03/31/98

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

1. Name of conveying party(ies):

Shigeyuki NAKAZAWA

Additional name(s) of conveying party(ies) attached?
___ yes ___ no

2. Name and address of receiving party(ies)?

Name: NEC CORPORATION

Street Address: 7-1, Shiba 5-chome
Minato-ku, Tokyo, Japan

3. Nature of Conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ OtherAdditional name(s) & address(es) attached?
___ yes ☒ no

Execution Date: March 13, 1998

09/050,354

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: 03/13/98

A. Patent Application No.(s)

B. Patent No(s).

Additional numbers attached? ___ Yes ___ No

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

J. Frank Osha, Esq.
SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC
2100 Pennsylvania Avenue, N.W.
Suite 800
Washington, D.C. 20037-3202

6. Total number of applications and patents involved: One

7. Total Fee (37 CFR 3.41): \$ 40.00
☒ Enclosed. Please charge any underpayment in connection with this Assignment to Deposit Account No. 19-4880.

___ Authorized to be charged to 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.

J. Frank Osha, Reg. No. 24,625March 31, 1998
Date

TOTAL NUMBER OF PAGES COMPRISING COVER SHEET, ATTACHMENTS AND DOCUMENT: 2

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Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents and Trademarks
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Washington, D.C. 20231PATENT
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Assignment

Whereas, I/~~WE~~, SHIGEYUKI NAKAZAWA of
Tokyo, Japan

hereinafter called assignor(s), have invented certain improvements in
SEMICONDUCTOR MEMORY DEVICE WITH REDUNDANCY CIRCUIT
and executed an application for Letters Patent of the United States of America therefor on
March 13, 1998 ; and

Whereas, NEC Corporation
7-1, Shiba 5-chome,
Minato-ku, Tokyo, Japan
(assignee), desires to acquire the entire right, title, and interest in the application and invention, and to
any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/~~WE~~, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its
successors and assigns, the entire right, title and interest in the application and the invention disclosed
therein for the United States of America, including the right to claim priority under 35 U.S.C. §119, and
I/~~WE~~ request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth
in the application to the assignee, its successors and assigns; and I/~~WE~~ will execute without further
consideration all papers deemed necessary by the assignee in connection with the United States application
when called upon to do so by the assignee.

I/~~WE~~ hereby authorize and request my attorneys SUGHRUE, MION, ZINN, MACPEAK & SEAS of
2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3202 to insert here in parentheses (Application
number _____, filed _____) the filing date and application
number of said application when known.

Date: 3/13/1998

s/ Shigeyuki Nakazawa 
SHIGEYUKI NAKAZAWA

Date:

s/ _____

Date:

s/ _____

Witness:

Date: 3/13/1998

s/ Akio Murano

Date: 3/13/1998

s/ Shiro Murano

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)