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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):

Satoshi UTSUGI, Masami HANYU, Tadahiko
SUGIBAYASHI

Additional name(s) of conveying party(ies) attached?

☐ yes☒ no

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

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

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

☐ yes☒ no

3. Nature of Conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Names☐ Other

Execution Date: September 6, 1999

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: September 6, 1999

A. Patent Application No.(s)

B. Patent No.(s)

09/393807

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. 20037-3213

6. Total number of applications and registration involved:

1

7. Total Fee (37 CFR 3.41): \$40.00

☒ Enclosed. Please charge any underpayment in
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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.

Alan J. Kasper

Reg. No. 25,426

September 10, 1999

Date

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

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09/20/1999 NTM11 00000085 09393807

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PATENT
REEL: 010240 FRAME: 0103

Assignment

Whereas, ~~I/We~~, Satoshi UTSUGI, Masami HANYU and Tadahiko SUGIBAYASHI of
Tokyo, Japan

hereinafter called assignor(s), have invented certain improvements in
SEMICONDUCTOR MEMORY DEVICE

and executed an application for Letters Patent of the United States of America therefor on
September 6, 1999 ; 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: September 6, 1999 s/ Satoshi Utsugi  
Satoshi UTSUGI

Date: September 6, 1999 s/ Masami Hanyu  
Masami HANYU

Date: September 6, 1999 s/ Tadahiko Sugibayashi  
Tadahiko SUGIBAYASHI

WITNESSES:

Date: s/ Satoshi Utsugi

Date: s/ [Signature]

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