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To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

1 Name of conveying party(ies):

Masaharu MIZUNO
Shigeo NODA

5.14.03

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

NEC ELECTRONICS CORPORATION
1753 Shimonumabe, Nakahara-ku,
Kawasaki, Kanagawa 211-8668
Japan

J1036 U.S. PTO

10/437391



05/14/03

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

3 Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Execution Date: May 5, 2003

Additional name(s) & address(es) attached? 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 is: May 5, 2003

A. Patent Application No.(s) ~~5446~~

B. Patent No.(s) 10437391

Additional numbers attached? Yes No

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

SUGHRUE MION, PLLC

WASHINGTON OFFICE



23373

PATENT TRADEMARK OFFICE

6. Total number of applications and patents involved:

1

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

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Howard L. Bernstein for
J. Frank Osha

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May 14, 2003
Date

05/21/2003 BBYRNE 00000098 10437391 1 number of pages including cover sheet, attachments, and documents: 2

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PATENT

REEL: 014082 FRAME: 0504

05/14/2003

Assignment

Whereas, ~~W~~we, Masaharu MIZUNO and Shigeo NODA of Kanagawa, Japan

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

SEMICONDUCTOR DEVICE AND MANUFACTURING METHOD FOR THE SAME

and executed an application for Letters Patent of the United States of America therefor on May 5, 2003 ; and

Whereas, NEC Electronics Corporation

1753 Shimonumabe, Nakahara-ku, Kawasaki,
Kanagawa 211-8668, 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,

~~W~~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 ~~W~~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.

~~W~~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: May 5, 2003 s/ Masaharu Mizuno
Masaharu MIZUNO

Date: May 5, 2003 s/ Shigeo Noda
Shigeo NODA

Date: s/ _____

Witness:

Date: May 5, 2003 s/ Hitoshi Utsui

Date: May 5, 2003 s/ [Signature]

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