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1. Name of conveying party(ies):

Yoshihiro MASUMURA
Nobuteru OH
Hiroyuki FURUKAWA

5-27-03

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

NEC ELECTRONICS CORPORATION
1753 Shimonumabe, Nakahara-ku, Kawasaki,
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05/27/03Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

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Execution Date: May 20, 2003

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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 20, 2003

A. Patent Application No.(s)

10,445,040

B. Patent No.(s)

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

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6. Total number of applications and patents involved:

1

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

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*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.*Howard L. Bernstein for
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May 27, 2003

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Total number of pages including cover sheet, attachments, and documents: 2

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PATENT
REEL: 014125 FRAME: 0612

Assignment

Whereas, I/We, Yoshihiro MASUMURA, Nobuteru OH and Hiroyuki FURUKAWA of
Kanagawa, Japan

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

FLIP-CHIP SEMICONDUCTOR DEVICE HAVING I/O MODULES IN AN INTERNAL CIRCUIT AREA

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

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 Director – U.S. Patent and Trademark Office 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 our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number _____ and Confirmation number _____, filed _____) the filing date and application number of said application when known.

Date: May 20, 2003

Yoshihiro Masumura



s/ Yoshihiro MASUMURA

Date: May 20, 2003

Nobuteru OH

s/ Nobuteru OH

Date: May 20, 2003

Hiroyuki Furukawa



s/ Hiroyuki FURUKAWA

Date: _____

s/

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

Witness:

Mitsuhiko Ueki

[Signature]