

09-16-2003

Q77402

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Motoaki MATSUDA

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

Additional name(s) & address(es) attached? Yes No

22141 U.S. PTO
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3. Nature of conveyance:
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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: September 2, 2003
A. Patent Application No.(s)
B. Patent No.(s)

Execution Date: September 2, 2003
Additional numbers attached? Yes No
10/659379

5. Name and address of party to whom correspondence concerning document should be mailed:
SUGHRUE MION, PLLC
WASHINGTON OFFICE
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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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PATENT
REEL: 014480 FRAME: 0568

Assignment

Whereas, I/~~We~~, Motoaki MATSUDA of Kumamoto, Japan

hereinafter called assignor(s), have invented certain improvements in Flip-Chip BGA Semiconductor Device for Achieving a Superior Cleaning Effect

and executed an application for Letters Patent of the United States of America therefor on September 2, 2003; and

Whereas, NEC Electronics Corporation
of 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: September 2, 2003 Motoaki Matsuda 
s/ Motoaki MATSUDA

Date: _____
s/

Date: _____
s/

Date: _____
s/

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

Witness: Mitsuhiko Iikari
[Signature]