09-10-2001 Form PTO-1595 U.S. DEPARTMENT OF COMMERCE 1-31-92 Patent and Trademark Office To the Commissioner for Patents. Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies)? Yoshihiro NAKAJIMA, Akira FUKUIZUMI NEC CORPORATION 7-1, Shiba 5-chome Minato-ku, Tokyo, Japan Additional name(s) of □ yes 1 no 3. Nature of Conveyance: ☑ Assignment ☐ Merger ☐ Security Agreement ☐ Change of Names Additional name(s) & address(es) attached? ☐ Other ☐ yes 1 no Execution Date: August 27, 2001 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of oplication is: August 27, 2001 B. Patent No.(s) A. Patent Application No.(s)/Confirmation No.(s) /Unknown ☑ No Additional numbers attached? ☐ Yes 6. Total number of applications and registration involved: 5. Name and address of party to whom correspondence concerning document should be mailed: \$40.00 7. Total Fee (37 CFR 3.41): J. Frank Osha, Esq. ☑ Enclosed. Please charge any underpayment in SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC connection with this Assignment to Deposit Account No. 19-4880. 2100 Pennsylvania Avenue, N.W. ☐ Authorized to be charged to Deposit Account Suite 800 Washington, D.C. 20037-3213 8. Deposit Account No. 19-4880 DO NOT WRITE IN THIS SPACE 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 9. Statement and Signature. original document. August 30, 2001 Date Reg. No. 25,665 Howar L. Bernstein TOTAL NUMBER OF PAGES COMPRISING COVER SHEET, ATTACHMENTS AND DOCUMENT: 2

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PATENT REEL: 012132 FRAME: 0554

Assianment

Whereas, WWe,

YOSHIHIRO NAKAJIMA and AKIRA FUKUIZUMI Tokyo, Japan

of

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

SEMICONDUCTOR DEVICE

and executed an application for Letters Patent of the United States of America therefor on August 27, 2001; and

NEC Corporation Whereas.

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,

**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 Wwe 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. *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 __) the filing date and application ___, filed . number___ number of said application when known. Jeshihoro pokojima (1) Date: 8/27/2001 a Okira Fukingumi Date: 8/27/2001 Date: Witness: Date: 8/27/2001 Date: 8/27/2001

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

8/92

PATENT RECORDED: 08/30/2001 REEL: 012132 FRAME: 0555