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Form PTO-1595
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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):
Shuji TAKAHASHI
Additional name(s) of conveying party(ies) attached?
 yes no

2. Name and address of receiving party(ies)?
Name: NEC CORPORATION
Internal Address: 7-1, Shiba 5-chome, Minato-Tokyo, JAPAN
Street Address:

3. Nature of Conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other
Execution Date: July 29, 1998

City State Zip
Additional name(s) & address(es) attached?
 yes no

JCS30 U.S. PTO
09/129538
08/05/98

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: 07/29/98
A. Patent Application No. (s) | 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, ZINN, MACPEAK & SEAS
2100 Pennsylvania Avenue, N.W.
Suite 800
Washington, D.C. 20037-3202

6. Total number of applications and patents involved: 1
7. Total Fee (37 CFR 3.41): \$ 40.00
XXX Enclosed. Please charge any underpayment in connection with this Assignment to Deposit Account No. 19-4880.
 Authorized to be charged to Deposit Account
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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.
J. Frank Osha Reg. No. 24,625 August 5, 1998 Date
TOTAL NUMBER OF PAGES COMPRISING COVER SHEET: 2

OMB No. 0651-0011 (exp. 4/94)
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Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents and Trademarks
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Assignment

Whereas, I/~~WE~~, Shuji TAKAHASHI of Tokyo, Japan

hereinafter called assignor(s), have invented certain improvements in SEMICONDUCTOR INTEGRATED CIRCUIT DESIGNING SYSTEM TAKING INSERTION OF REPEATERS INTO CONSIDERATION AND DESIGNING METHOD THEREOF and executed an application for Letters Patent of the United States of America therefor on July 19 1998 ; 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: Jul. 29, 1998 s/ Shuji Takahashi
Shuji TAKAHASHI

Date: s/ _____

Date: s/ _____

Witness: Date: Jul. 29, 1998 s/ Masazumi Takeuchi
Masazumi TAKEUCHI

Date: Jul. 29, 1998 s/ Akiya Muto
AKIYA MUTO

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