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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):

11-7-00
Hisaya TAKAHASHI, Hirofumi NAKAMURA,
Masanobu IZAKI and Junichi KATAYAMAAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other

Execution Date: June 10, 2000

2. Name and address of receiving party(ies)

Name:

(1) NEC Corporation and

Internal Address: (2) Osaka Municipal Government

(1) 7-1, Shiba 5-chome, Minato-ku,
Tokyo, JAPAN(2) 1-3-20, Nakanoshima, Kita-ku
Osaka-shi, Osaka, JAPAN

Street Address:

(1) 7-1, Shiba 5-chome, Minato-ku
Tokyo, JAPAN(2) 1-3-20, Nakanoshima, Kita-ku
Osaka-shi, Osaka, JAPANAdditional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s): 09/656,657

ATTORNEY DOCKET NO.: 1558-13

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

09/656,657

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

LAFF, WHITESEL, CONTE & SARET, LTD.

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CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first-class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231 on 11-3-00

Date: 11-3-00

TYPED NAME: Joyce M. Saret

6. Total number of applications and patents involved: 1

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

☒ Enclosed☒ Authorized to be charged to deposit account

8. Deposit account number: 12-0064

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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. WARREN WHITESEL
Name of Person Signing

Signature

Date 11-3-00

Total number of pages including cover sheet, attachments, and document: 1

ASSIGNMENT

FOR VALUE RECEIVED, the receipt of which is hereby acknowledged, the following inventor or inventors (hereinafter called "ASSIGNOR")

Hisaya TAKAHASHI, Hirofumi NAKAMURA,
Masanobu IZAKI and Junichi KATAYAMA

hereby assigns, transfers and sets over to:

NEC Corporation

7-1, Shiba 5-chome, Minato-ku, Tokyo, Japan and

Osaka Municipal Government

1-3-20, Nakanoshima, Kita-ku, Osaka-shi, Osaka, Japan

(hereinafter called "ASSIGNEE"), the entire worldwide right, title and interest in and to the invention known as:

METHOD FOR FORMING A Cu INTERCONNECT PATTERN

for which a United States Patent Application was executed on _____ and all rights and privileges under any Letters Patent which may be granted thereon, including all rights, if any, throughout the entire world to sue for all past infringements which may have occurred before the execution of this assignment.

(1) The ASSIGNOR agrees without charge to said ASSIGNEE but at its expense (a) to execute (i) all necessary papers to be used in connection with this application and any additional, continuing, or divisional applications, as the ASSIGNEE may deem necessary or expedient, (ii) all papers in connection with any interference or other legal or quasi-legal proceedings relating to this application or any additional, continuing, or divisional application thereof, (iii) all papers and documents which may be necessary in connection with the preparation and filing of any foreign applications or with making claims to priority rights granted under the provisions of the International Convention for Protection of Industrial Property or similar agreements; (b) to cooperate with ASSIGNEE in every way possible in obtaining evidence and going forward in any such proceedings; and (c) to perform all other affirmative acts which may be necessary or desirable to obtain a grant of a valid patent for said invention in any country throughout the world.

(2) ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States, and the appropriate officials in any other country, to issue any and all Letters Patent that may be granted upon any patent application or any additional, continuing or divisional applications thereof to the ASSIGNEE, its successors and assigns.

(3) ASSIGNOR hereby covenants and warrants that he has full right to convey the entire right, title and interest by this instrument, free of any encumbrances and that no other agreement has been or will be executed in conflict herewith.

(4) ASSIGNOR hereby grants to the law firm of LAFF, WHITESEL, CONTE & SARET, LTD. of Chicago, Illinois, authority and power to insert on this instrument any further identification which may be necessary or desirable for purposes of recordation in the United States Patent and Trademark Office or a Patent Office of any foreign country.

Date 06/10/2000 Signature of Inventor Hisaya Takahashi (SEAL)
Hisaya TAKAHASHI

Date 06/10/2000 Signature of Inventor Hirofumi Nakamura (SEAL)
Hirofumi NAKAMURA

Date 06/10/2000 Signature of Inventor Masanobu Izaki (SEAL)
Masanobu IZAKI

Date 06/10/2000 Signature of Inventor Junichi Katayama (SEAL)
Junichi KATAYAMA

The execution by the inventor(s) should be witnessed by at least two witnesses who sign here. If this Assignment is signed outside the United States, it should preferably be signed before a United States Consul.

Witness Masaya Chigane

Witness Yuji Takuda

Witness [Signature] **PATENT**

Applicant hereby submits its Assignment for Recordation for this application.

Respectfully submitted,

Dated: _____

11/3/00



J. Warren Whitesel

Atty. Reg. No.: 16830

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