02-15-2000

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U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

101266460

To the Hon. Commissioner of Patents & Iragemarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Takuo FUNAYA, Kouji MATSUI and Naoji SENBA

Additional name(s) of conveying party(ies) attached? I 1 Yes IX1 No

3. Nature of conveyance:

[X] Assignment

[] Merger

[] Security Agreement

[] Change of Name

[] Other

Execution Dates: June 25, 1999

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

Name:

NEC CORPORATION

Street Address:

7-1, Shiba 5-chome

Minato-ku

Tokyo, Japan

FEB 0 7 2000

4. Application number(s) or patent (numbers):

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

A. Patent Application No(s).

09/346,949

B. Patent No(s).

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

.......

YOUNG & THOMPSON Second Floor 745 South 23rd Street Arlington, VA 22202 Additional numbers attached? [] Yes [X] No

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41)......\$ 40

[] Enclosed

[X] Authorized to be charged to deposit account

8. Deposit Account No. 25-0120

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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.

Mary Shelton
Name of Person Signing

Signature

Feb. 7, 2000

Date

Total number of pages including cover sheet: [2]

02/14/2000 TTON11 00000284 250120 09346949

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PATENT REEL: 010542 FRAME: 0229

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ASSIGNMENT

WHEREAS, I (we), Takuo FUNAYA, Kouji MATSUI AND Naoji SENBA hereinafter referred to as "applicant(s)", has(have) invented certain new and useful improvement in

FUNCTION FLEMENT, SUBSTRATE FOR MOUNTING FUNCTION ELEMENT THEREON, AND METHOD OF CONNECTING THEM TO EACH OTHER

for which

[XX] I(we) am(are) about to make application for Letters Patent of the United States of America,

[] an application for a United States patent was filed on

Application No.

WHEREAS, NEC Corporation, of 7-1, Shiba 5-chome, Minato-ku, Tokyo, Japan, hereinafter referred to as "assignee", is desirous of acquiring the entire right, title and interest in and to the same;

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00), the receipt whereof is acknowledged, and other good and valuable consideration, applicants, by these presents, do hereby sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all patents which may be granted therefor in the United States, for its sole use and behoof, and for the use and behoof of its legal representatives, to the full end of the term of which said patents may be granted, as fully and entirely as the same would have been held by applicants had this assignment and sale not been made.

Applicant(s) hereby authorizes and requests the Commissioner of Patent and Trademarks to issue and said United States patens to said assignee.

Date: XXXXXX June 25, 1999	Takuo Funaya
Date: <u>June 25, 1999</u>	Koují Matrici KOUJI MATSUI
Date: June 25, 1999	Raeji Senka NAKHAKKXXXXXX NAOJI SENBA

Witness: Fremitake Wataruke

PATENT |REEL: 010542 FRAME: 0230

RECORDED: 02/07/2000