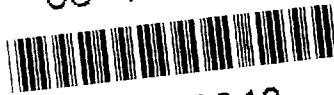


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1. Name of conveying party(ies):

TSUZUKI, HIROYUKI
KOMATSU, TOSHIAKI
MURAKAMI, MASATSUGU
TAKAHASHI, ISAO
NAGATA, TETSUYA



3-6-02

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

NEC CORPORATION
7-1, Shiba 5-chome, Minato-ku, Tokyo, JAPAN

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

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Execution Date: January 24, 2002

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

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:

A. Patent Application No.(s)
29/153,449

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, PLLC
2100 Pennsylvania Avenue, N.W.
Suite 800
Washington, D.C. 20037-3213

6. Total number of applications and patents involved:

1

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

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Robert V. Sloan

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March 6, 2002

Date

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PATENT
REEL: 012647 FRAME: 0965

Assignment

Whereas, We, **Hiroyuki TSUZUKI, Toshiaki KOMATSU, Masatsugu MURAKAMI, Isao TAKAHASHI, and Tetsuya NAGATA**, respectively, hereinafter called assignors, have invented certain improvements in

COMPUTER

and executed an application for Letters Patent of the United States of America therefor on January 24, 2002; 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,

We, the above named assignors, 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 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 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 our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number 29/153,449 and Confirmation number 2534, filed **January 10, 2002**) the filing date and application number of said application when known.

Date: 1/24/02 Hiroyuki Tsuzuki
s/Hiroyuki TSUZUKI

Date: 1/24/02 Toshiaki Komatsu
s/Toshiaki KOMATSU

Date: 1/24/02 Masatsugu Murakami
s/Masatsugu MURAKAMI

Date: 1/24/02 Isao Takahashi
s/Isao TAKAHASHI

Date: 1/24/02 Tetsuya Nagata
s/Tetsuya NAGATA

Your file.: D3901020365

Our Ref.: Q67523

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

Witness Sachio Matsubara Mitsuji Hisamatsu
Sachio MATSUBARA Mitsuji HISAMATSU