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To the Assistant Commissioner of Patents. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
Hitoshi MASUO, Atsushi IWATA,

Additional name(s) of conveying party(ies) attached?
 yes no

2. Name and address of receiving party(ies)?
NEC CORPORATION
7-1, Shiba 5-chome
Minato-ku, Tokyo, Japan

3. Nature of Conveyance:
Assignment Merger
 Security Agreement Change of Names
x Other "rerecord to correct first Inventor's name to --
HITOSHI-- on Frame 9145, Reel 0197"

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

Execution Date: March 27, 1998

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: March 27, 1998
A. Patent Application No.(s)
09/056,866
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, PLLC
2100 Pennsylvania Avenue, N.W.
Suite 800
Washington, D.C. 20037-3213

6. Total number of applications and registration involved:
1

7. Total Fee (37 CFR 3.41): \$40.00
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J. Frank Osha Reg. No. 24, 625 December 15, 1999 Date

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Washington, D.C. 20231**

12/29/1999 DMGUYEN 00000319 09056866
01 FC:581 40.00 OP

Assignment

Whereas, X/We, **HITOSHI MASUO, ATSUSHI IWATA** of
Tokyo, Japan

hereinafter called assignor(s), have invented certain improvements in
**FAULT RECOVERY SYSTEM AND
TRANSMISSION PATH AUTONOMIC SWITCHING SYSTEM**

and executed an application for Letters Patent of the United States of America therefor on
March 27, 19 98 ; 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 where of is hereby acknowledged,

X/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. Code 119, and X/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 X/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.

Signed at Tokyo, Japan on March 27, 1998

Hitoshi Masuo

HITOSHI MASUO
Atsushi Iwata

ATSUSHI IWATA

Witness Date

Masayuki Takahashi

Atsushi Iwata

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. 261)
(Form for foreign applicants from Convention Countries)

04-28-1998

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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): **MRD 4.8.98**

Hitsoshi MASUO, Atsushi IWATA

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-ku
Tokyo, JAPAN

Street Address:

City State Zip

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

3. Nature of Conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: March 27, 1998

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: 03/27/98

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.
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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
J. Frank Osha Reg. No. 24,625

April 8, 1998
Date

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