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1. Name of conveying party(ies):  
Itaru NISHIOKA  
Yoshihiko SUEMURA  
  
01/22/03  
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  
  
J1000 U.S. PTO  
10/347786  
01/22/03

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other

Execution Date: January 10, 2003

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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: January 10, 2003  
A. Patent Application No.(s) | B. Patent No.(s)  
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5. Name and address of party to whom correspondence concerning document should be mailed:  
SUGHRUE MION, PLLC  
WASHINGTON OFFICE  
  
23373  
PATENT TRADEMARK OFFICE

6. Total number of applications and patents involved: 1  
7. Total fee (37 CFR 3.41): \$40.00  
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January 22, 2003 | Date

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01/24/2003 LMJELLER 00000212 10347786  
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PATENT  
REEL: 013680 FRAME: 0642

# Assignment

Whereas, ~~I/We~~, ITARU NISHIOKA, YOSHIHIKO SUEMURA of

hereinafter called assignor(s), have invented certain improvements in  
PATH FAULT RECOVERY METHOD, SWITCHING-BACK METHOD AFTER RECOVERY  
FROM FAULT, AND NODE USING THE SAME

and executed an application for Letters Patent of the United States of America therefor on \_\_\_\_\_; 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 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 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 our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number \_\_\_\_\_ and Confirmation number \_\_\_\_\_, filed \_\_\_\_\_) the filing date and application number of said application when known.

Date: 10/ 1/2003 Itaru Nishioka (印) \_\_\_\_\_  
s/ ITARU NISHIOKA

Date: 10/ 1/2003 Yoshihiko Suemura (印) \_\_\_\_\_  
s/ YOSHIHIKO SUEMURA

Witness;  
Date: 10/ 1/2003 Masato Kimura \_\_\_\_\_  
s/ MASATO KIMURA

Date: 10/ 1/2003 Akira Muto \_\_\_\_\_  
s/ AKIRA MUTO

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