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## 1. Name of conveying party(ies):

Tatsuya SHIRAGAKI

6.17.04

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

NEC CORPORATION  
7-1, Shiba 5-chome,  
Minato-ku, Tokyo, Japan19587 U.S. PTO  
10/869078Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: June 11, 2004

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

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

10869078

If this document is being filed together with a new application, the execution date of the application is: June 11, 2004

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, PLLC

WASHINGTON OFFICE

23373

CUSTOMER NUMBER

## 6. Total number of applications and patents involved:

1

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

- ☒ Enclosed.  
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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.

Howard L. Bernstein

Reg. No. 25,665

June 17, 2004

Date

Total number of pages including cover sheet, attachments, and documents: 2

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PATENT  
REEL: 015489 FRAME: 0187

## Assignment

Whereas, I/~~W~~~~s~~, Tatsuya SHIRAGAKI of  
Tokyo, Japan

hereinafter called assignor(s), have invented certain improvements in  
SIGNAL REPEATER AND SWITCHING DEVICE, METHOD OF DETECTING CONNECTING RELATION  
BETWEEN SIGNAL REPEATER AND SWITCHING DEVICE AND COMMUNICATION SYSTEM

and executed an application for Letters Patent of the United States of America therefor on  
June 11, 2004; 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/~~W~~~~s~~, 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/~~W~~~~s~~ 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/~~W~~~~s~~ 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/~~W~~~~s~~ 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: June 11, 2004 Tatsuya Shiragaki  
s/ Tatsuya SHIRAGAKI  
Date: \_\_\_\_\_  
s/  
Date: \_\_\_\_\_  
s/  
Date: \_\_\_\_\_  
s/

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

Witness: Tamara Dymov  
[Signature]