

02-16-2000



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P/2054-121

## PATENTS RECORDATION COVER SHEET

To the Assistant Commissioner of Patents and Trademarks: Please record the attached original document or copy thereof.

jc511 U.S. PTO  
09/496160  
02/01/00

1. Name of conveying party(ies):

Kazuhiro OKANOUE  
Takeshi YAMAMOTO  
Tomoki OSAWA

Type of Entity: Individuals

Additional names(s) of conveying party(ies) attached? No

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

NEC Corporation  
7-1, Shiba 5-chome, Minato-ku  
Tokyo, Japan

Type of Entity: Corporation of Japan

Additional name(s) &amp; address(es) attached? No

3. Nature of Conveyance:

Assignment

Execution Date: January 26, 2000

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 26, 2000

A. Application No.(s)

B. Patent No.(s)

Additional numbers attached? No

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

OSTROLENK, FABER, GERB & SOFFEN, LLP  
1180 Avenue of the Americas  
New York, New York 10036-8403

6. Total number of documents involved: 1

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

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In the event the actual fee is greater than the payment submitted or is inadvertently not enclosed or if any additional fee due is not paid, the Patent and Trademark Office is authorized to charge the underpayment to Deposit Account No. 15-0700.

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8. 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.

Steven I. Weisburd

Name of Person Signing

Signature

February 1, 2000

Date

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

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PATENT APPLICATION ASSIGNMENT -  
SOLE OR JOINT INVENTORS  
EXECUTED OUTSIDE U.S.A.

OFGS FILE NO. P/2054-121

WHEREAS, I (We), Kazuhiro OKANOUE, Takeshi YAMAMOTO and  
Tomoki OSAWA of Tokyo, Japan, respectively  
as assignor(s), have invented certain improvements in  
RECEIVER AND RECEIVING METHOD  
for which an application for United  
States Letters Patent has been executed by me (us) of even date herewith; and

WHEREAS, NEC Corporation of 7-1,  
Shiba 5-chome, Minato-ku, Tokyo, Japan  
as assignee, is desirous of acquiring all right, title and interest in and to said invention  
and any Patent that may be granted therefor.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and  
valuable consideration, the receipt of which is hereby acknowledged, I (We), as assignor(s),  
hereby sell, assign and set over to said assignee the entire right, title and interest for  
the United States and all other countries in and to said invention and the aforesaid  
application for Patent, all original, divisional, continuation, substitute or reissue  
applications and patents applied for or granted therefor in the United States and all other  
countries, including all rights of priority from the filing of said application, and all  
rights for past infringement, and the Commissioner of Patents and Trademarks is hereby  
authorized and requested to issue all patents on said inventions or resulting therefrom to  
said assignee herein, as assignee of the entire interest therein; and the undersigned for  
myself (ourselves) and my (our) legal representatives, heirs and assigns do hereby agree and  
covenant without further remuneration, to execute and deliver all divisional, continuation,  
reissue and other applications for Patent on said inventions and all assignments thereof to  
said assignee or its assigns, to communicate to said assignee or its representatives all  
facts known to the undersigned respecting said inventions, whenever requested, to testify in  
any interferences or other legal proceedings in which any of said applications or patents may  
become involved, to sign all lawful papers, make all rightful oaths, and to do generally  
everything necessary to assist assignee, its successors, assigns and nominees to obtain  
patent protection for said invention in the United States and all other countries, the  
expenses incident to said applications to be borne and paid by said assignee.

Date: January 26, 2000

Kazuhiro Okanoue (M)  
Kazuhiro OKANOUE

Date: January 26, 2000

Takeshi Yamamoto (M)  
Takeshi YAMAMOTO

Date: January 26, 2000

Tomoki Osaawa  
Tomoki OSAWA

Date: \_\_\_\_\_

Witness:  
Date: January 26, 2000

Fumitake Watanabe

Date: January 26, 2000

[Signature]

LEGALIZATION RECOMMENDED