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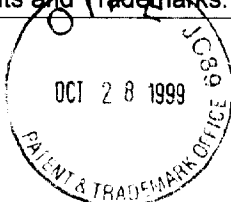
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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

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

Satoru Matsumiya  
Naoyuki Haraguchi



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

Name: Kokusai Electric Co., Ltd.Address: 14-20, 3-chome, Higashi-NakanoNakano-ku

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

## 3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other \_\_\_\_\_City: Tokyo

State/Prov.: \_\_\_\_\_

Country: JAPAN

ZIP: \_\_\_\_\_

Execution Date: October 12, 1999

Additional name(s) &amp; address(es)

☐ Yes ☒ No

## 4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

Patent Application No.

Filing date

B. Patent No.(s)

09/393,27509/10/99

Additional numbers

☐ Yes ☒ No

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

Name: Sean M. McGinn, Esq.Registration No. 34,386Address: McGinn & Gibb, P.C.1701 Clarendon Blvd., Suite 100City: ArlingtonState/Prov.: VACountry: USAZIP: 22209

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

17. Total fee (37 CFR 3.41):.....\$ 40.00☒ Enclosed - Any excess or insufficiency should be credited or debited to deposit account☐ Authorized to be charged to deposit account

## 8. Deposit account number:

50-0481

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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.

Sean M. McGinn, Esq.

Name of Person Signing

Signature

October 28, 1999

Date

Total number of pages including cover sheet, attachments, and

4

PATENT

REEL: 010344 FRAME: 0810

# ***ASSIGNMENT OF APPLICATION FOR PATENT***

## ***WHEREAS***

NAME AND ADDRESS  
OF ASSIGNOR

Satoru Matsumiya and Naoyuki Haraguchi  
c/o Kokusai Electric Co., Ltd.  
14-20, 3-chome, Higashi-Nakano, Nakano-ku, Tokyo, Japan

(HEREINAFTER REFERRED TO AS ASSIGNOR), have invented and  
own a certain new and useful invention entitled:

TITLE OF INVENTION:

REPEATER AMPLIFIER APPARATUS

## ***WHEREAS***

FULL NAME AND ADDRESS  
OF ASSIGNEE

Kokusai Electric Co., Ltd.  
14-20, 3-Chome, Higashi-Nakano,  
Nakano-ku, Tokyo, Japan

(hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire  
right, title, and interest in, to and under said invention and the United States  
Letters Patent to be obtained therefor:

*NOW THEREFORE, TO ALL WHOM IT MAY CONCERN:* Be  
it known that in consideration of the payment of ASSIGNEE to  
ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is  
hereby acknowledged, and for other good and valuable consideration,  
ASSIGNOR, by these presents, hereby sells, assigns and transfers to  
ASSIGNEE the entire and exclusive right, title and interest to said  
invention and all Letters Patent of the United States to be obtained therefor  
on said application or any continuation, division, renewal, substitute or  
reissue thereof for the full term or terms for which the same may be  
granted.

ASSIGNOR hereby authorizes and requests the Commissioner of Patents  
and Trademarks to issue said Letters Patent of the  
United States Patent obtained therefor on said application or any

(Assignment of Application for Patent -- page 1 of 2)

continuation, division, renewal, substitute or reissue thereof for the full term or terms to said ASSIGNEE, of the entire right, title, and interest in and to the same, for his sole use and behoof, and for the use and behoof of his legal representatives, to the full end of the term or terms for which said Letters Patent obtained therefor on said application or any continuation, division, renewal, substitute or reissue thereof for may be granted, as full and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

DATE OF SIGNING

IN WITNESS WHEREOF, I/We have hereunto set

hand and seal this 12 day of Oct., 1999.

SIGNATURE:

By: Satoru Matsumiya  
Satoru Matsumiya

SIGNATURE:

By: Naoyuki Haraguchi  
Naoyuki Haraguchi

WITNESSES

Osamu Chiba  
Seiji Matsuda

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