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1. Name of conveying party(ies):

Takaaki NEDACHI

1. 16-04

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

Name: NEC Corporation

Address: 7-1, Shiba 5-chome,

Minato-ku,

17548 U.S. PTO  
10/758535



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: January 6, 2004

Additional name(s) & address(es)

Yes  No

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

20758535

If this document is being filed together with a new application, the execution date of the application is: January 6, 2004

Patent Application No.

Filing date

B. Patent No.(s)

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. 34,386

Address: McGinn & Gibb, PLLC

8321 Old Courthouse Road

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City: Vienna

State/Prov.: VA

Country: USA

ZIP: 22182-3817

6. Total number of applications and patents involved:

1

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

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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.

Sean M. McGinn, Esq.

Name of Person Signing

Signature

January 16, 2004

Date

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Director of the United States Patent and Trademark Office  
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# ASSIGNMENT OF APPLICATION FOR PATENT

## WHEREAS

NAME AND ADDRESS OF ASSIGNOR      Takaaki NEDACHI  
c/o NEC Corporation, 7-1, Shiba 5-chome, Minato-ku, Tokyo, Japan

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

TITLE OF INVENTION: OUTPUT BUFFER CIRCUIT HAVING PRE-EMPHASIS FUNCTION

## WHEREAS

FULL NAME AND ADDRESS OF ASSIGNEE      NEC Corporation of  
7-1, Shiba 5-chome, Minato-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

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PATENT  
REEL: 014900 FRAME: 0189

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 6th day of January, 2004

SIGNATURE

By: Takaaki Nedachi   
Takaaki NEDACHI

SIGNATURE

By: \_\_\_\_\_

SIGNATURE

By: \_\_\_\_\_

WITNESSES

Noboru Shoji  
NOBORU SHOJI  
Akira MUTO  
Akira MUTO

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