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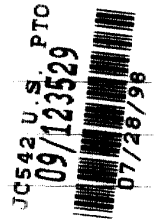
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To the Honorable Commissioner of Patents and Trademarks, Please receive the attached original documents or copy thereof.

1. Name of conveying party(ies):
**Hirofumi Shimomura
Naoya Henmi
Hitoshi Takeshita**

2. Name and address of receiving party(ies):
Name: **NEC Corporation**
Address: **7-1, Shiba 5-chome, Minato-ku**



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

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

City: **Tokyo** State/Prov: _____
Country: **Japan** ZIP: _____

Execution Date: **July 24, 1998**

Additional name(s) & address(es) attached? 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: **July 24, 1998**

Patent Application No Filing date B. Patent No. (s)

Additional numbers attached? Yes No

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

6. Total number of applications and patents involved: **1**

Name: **Sean M. McGinn, Esq.**

08/04/1998 PSTANDARD 00000011 09123529

Registration No. **34,386**
04 FC:581 40.00 OP

Address: **McGinn & Gibb, P.C.**

1701 Clarendon Blvd., Suite 100

7. 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

City: **Arlington** State/Prov. **VA**

8. Deposit account number:

50-0481

Country: **USA** ZIP: **22209**

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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.

Sandra Stocklinski

July 28, 1998

Name of Person Signing

Signature

Date

3

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

ASSIGNMENT OF APPLICATION FOR PATENT

WHEREAS

NAME AND ADDRESS
OF ASSIGNOR

HIROFUMI SHIMOMURA , NAOYA HENMI and HITOSHI TAKEHITA
c/o 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:

OPTICAL ADD-DROP MULTIPLEXER

TITLE OF INVENTION

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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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 24th day of July, 1998.

SIGNATURE

By: Hiroyuki Shimomura
HIROYUKI SHIMOMURA

SIGNATURE

By: Naoya Henmi
NAOYA HENMI

SIGNATURE

By: Hitoshi Takeshita
HITOSHI TAKESHITA

WITNESSES

Masagumi Terauchi
Akemi Terauchi

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