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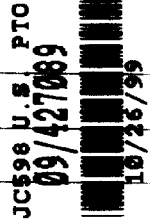
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):  
**Ippei Kobayashi**

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)  Yes  No

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other **09/427089**

City: **Tokyo** State/Prov.: \_\_\_\_\_

Country: **JAPAN** ZIP: \_\_\_\_\_

Execution Date: **September 28, 1999**

Additional name(s) & 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: **September 28, 1999**

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, P.C.**

**1701 Clarendon Blvd., Suite 100**

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

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

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

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

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.**

**October 26, 1999**

Name of Person Signing

Signature

**3**

Date

Total number of pages including cover sheet, attachments, and

# ASSIGNMENT OF APPLICATION FOR PATENT

*WHEREAS* IPPEI KOBAYASHI  
c/o NEC corporation,  
7-1, Shiba 5-chome, Minato-ku,  
Tokyo, Japan

NAME AND ADDRESS  
OF ASSIGNOR

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

TITLE OF INVENTION:

OPTICAL AMPLIFYING APPARATUS FOR TRANSMITTING  
WAVELENGTH DIVISION MULTIPLEXED SIGNAL LIGHT AND  
OPTICAL NETWORK APPARATUS WITH USING THE SAME

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

FULL NAME AND ADDRESS  
OF ASSIGNEE

(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)

PATENT  
REEL: 010356 FRAME: 0637

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 28th day of September, 1999.

SIGNATURE

By: Ippei Kobayashi  
IPPEI KOBAYASHI

SIGNATURE

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

SIGNATURE

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

WITNESSES

Tadayoshi Tanigawa  
[Signature]