Docket No.: PNDA-99237 FORM PTO-15, 5 (Modified) 03-13-2000 U.S. DEPARTMENT OF COMMERCE HEET Patent and Trademark Office OMB No. 0651-0011 (exp.4/94) P08A/REV02 Tab settings 4 101287283 To the Honorable Commissioner of I ... the attached original documents or copy thereof. 2. Name and address of receiving party(ies): Name of conveying party(ies): Akio Goto Name: NEC Corporation Address: 7-1, Shiba 5-chome, Minato-ku 3. Nature of conveyance: Assignment Merger City: Tokyo ☐ Security Agreement ☐ Change of Name State/Prov.: Country: JAPAN ZIP: Other _ Execution Date: January 28, 2000 Additional name(s) & address(es) attached? [] Yes X 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: January 28, 2000 Patent Application No. Filing date B. Patent No.(s) Additional numbers attached?

Yes
No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: concerning document should be mailed: Name: Sean M. McGinn, Esq. 7. Total fee (37 CFR 3.41):....\$ 40.00 34,386 Registration No. ■ Enclosed - Any excess or insufficiency should be credited or debited to deposit account Address: McGinn & Gibb, P.C. Authorized to be charged to deposit account 1701 Clarendon Boulevard, Suite 100 8. Deposit account number: 03/08/2000 BALEXAND 00000055 09513927 State/Prov.: VA 50-0481 40.00 9HH: 02 FGGuntry: USA 22209 DO NOT USE THIS SPACE

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy

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

PATENT

February 28, 2000

REEL: 010595 FRAME: 0411

Date

Name of Person Signing

9. Statement and signature.

of the original document.

Sean M. McGinn, Esq.

ASSIGNMENT OF APPLICATION FOR PATENT

WHEREAS Akio Goto, Tokyo, Japan

NAME AND ADDRESS OF ASSIGNOR

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

OPTICAL COMMUNICATION MODULE

TITLE OF INVENTION:

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

FULL NAME AND ADDRESS OF ASSIGNEE

1

(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: 010595 FRAME: 0412 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 28 day of January , 2000. |
|-----------------|---|
| SIGNATURE | By: <u>Akio Sata</u> Akio Goto |
| SIGNATURE | By: |
| SIGNATURE | By: |
| WITNESSES | Jadagestu Janiganna |

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

RECORDED: 02/28/2000

PATENT REEL: 010595 FRAME: 0413