FORM PTO-1595 (Modified) (Rev. 6-93) OMB No. 0651-0011 (exp.4/94) Copyright 1996-97 LegalStar P08A/REV02 02-06-2001



Docket No.: NEC00P335-hi

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U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

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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): Toru Hosoi (・ みら・ひ)	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)	Address: 7-1, Sinda 3-Choine, Minato-ku,
3. Nature of conveyance:	
★ Assignment	
☐ Security Agreement ☐ Change of Name	City: Tokyo State/Prov.:
☐ Other	Country: Japan ZIP:
Execution Date: January 22, 2001	Additional name(s) & address(es) ☐ Yes ☒ No
Patent Application No. Filing date	B. Patent No.(s)
Additional numbers	□ Yes No 09/768 453
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
Name: Sean M. McGinn, Esq.	7. Total fee (37 CFR 3.41):\$ 40.00
Registration No. 34,386 Address: McGinn & Gibb, PLLC	Enclosed - Any excess or insufficiency should be credited or debited to deposit account
8321 Old Courthouse Rd.	☐ Authorized to be charged to deposit account
Suite 200	a Barasit assessed pumber
City: Vienna State/Prov.: VA	8. Deposit account number:
Country: USA ZIP: 22182-3817	50-0481
DO NOT	USE THIS SPACE
9. Statement and signature. To the best of my knowledge and belief, the foregoing inform of the original document. Sean M. McGinn Name of Person Signing	January \$5, 2001 Signature

Total number of pages including cover sheet, attachments, and

REEL: 011482 FRAME: 0101

ASSIGNMENT OF APPLICATION FOR PATENT

WHEREAS

NAME AND ADDRESS OF ASSIGNOR TORU HOSOI of 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:

OPTICAL MODULATOR WITH MONITOR HAVING 3-DB DIRECTIONAL COUPLER OR 2-INPUT, 2-OUTPUT MULTIMODE INTERFEROMETRIC OPTICAL WAVEGUIDE

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

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

PATENT REEL: 011482 FRAME: 0102 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 22nd day of January, 2001
SIGNATURE	By: Join Hosoi TORU HOSOI
SIGNATURE	Ву:
SIGNATURE	Ву:
WITNESSES	Frantshe Watanahe

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

RECORDED: 01/25/2001

PATENT REEL: 011482 FRAME: 0103