This document is being filed together with a new application: (a) The execution date of the application is: October 2, 1998 (b) The title is: OPTICAL MULTIPLEXING/DEMULTIPLEXING APPARATUS AND OPTICAL MULTIPLEXING/DEMULTIPLEXING METHOD 5. Name and address of party to whom correspondence concerning document should be mailed: STAAS & HALSEY Our Docket: 1344.1024/JDH 700 Eleventh Syeet, N.W. Suite 500 Washington, D.C. 20001 Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41)	FOPM P	ro-1595	R	10-27	-1998		U.S. [DEPARTMENT OF COMMERCE Patent and Trademark Office
1. Name of conveying parties: (1) Takafumi TERAHARA (2) Name and address of receiving party: FUJITSU LIMITED 1-1, Kamikodanaka, 4-chome Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588, JAPAN 3. Nature of conveyance: X Assignment Security Agreement Other: Execution Date(s): October 2, 1998 4. Application number(s): October 2, 1998 4. Application number(s): or patent number(s): This document is being filled together with a new application: (a) The execution date of the application is: October 2, 1998 (b) The title is: OPTICAL MULTIPLEXING/DEMULTIPLEXING APPARATUS AND OPTICAL MULTIPLEXING/DEMULTIPLEXING METHOD 5. Name and address of party to whom correspondence concerning document should be mailed: STAAS & HALSEY 700 Eleventh Syeet, N.W. Suite 500 Washington, D.d. 20001 5. Total number of applications and patents involved: Cartery of the original document is authorized to be charged to this Deposit Account (Attach duplicate copy of this page if paying by deposit account.) 3. Deposit Account No.: 19-3935 (Any underpayment is authorized to be charged to this Deposit Account (Attach duplicate copy of this page if paying by deposit account) 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. Summes D. Halsey, Jr. Registration No. 22,729 Name of Person Signing Name of Person Signing 10 - 144 - 988 10 - 145 - 98 10 - 145 - 98 10 - 145 - 98 10 - 145 - 98 11 - 15 - 15 - 15 - 15 - 15 - 15 - 15	S&H 9/9	2		: 120:5: 1:01: 00:0: 00:0: 10:0: 00:0: 10:0: 00:0: 10:		ii —		
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PATENT REEL: 9526 FRAME: 0786

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the

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undersigned inventor(s) (hereinafter, "ASSIGNOR") by (Insert Name(s) & Address(es) of ASSIGNEE(S)) FUJITSU LIMITED of 1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa 211 JAPAN (hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled OPTICAL MULTIPLEXING/DEMULTIPLEXING APPARATUS AND OPTICAL MULTIPLEXING/ DEMULTIPLEXING METHOD relating to International Patent Application PCT/JP / and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was: (Insert date of execution of application, if not concurrent) (a) executed on Any registered attorney of STAAS & HALSEY, 700 Eleventh Street, N.W., Washington, D.C. 20001 (202/434-1500) is hereby authorized to insert in (b) the specified data, when and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)"). The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence. IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s). Takafumi Terahara) (Date)

Takafumi Terahara) 02/10/1998 (Date) (Typed Name & Signature of Witness(es)) (Typed Name & Signature of Inventor(s)) Yusuko Loga Yasako SOGA

PATENT REEL: 9526 FRAME: 0787

RECORDED: 10/14/1998