RE(



103152189

To the Director of the U.S. Patents and Trademark Office: Plea	se record the attached documents or the new address(es) below.
1. Name of conveying party(ies)/Execution Date(s): Yashushi SAGAYA Execution Date(s) November 3, 2005 Additional name of conveying party(ies) attached? ☐ Yes ☒ No 3. Nature of conveyance: ☐ Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name ☐ Government Interest Assignment	2. Name and address of receiving party(ies) Name: FUJITSU LIMITED Internal Address: Street Address: 1-1, Kamikodanaka 4-chome Nakahara-ku, Kawasaki-shi City: Kanagawa Zip: 211-8588
Executive Order 9424, Confirmatory LicenseOther	Additional Name(s) & address(es) attached? ☐ Yes ☒ No
A. Patent Application No.(s)	This document is being filed together with a new application. B. Patent No.(s) B. Patent No.(s) Tached? ☐ Yes ☑ No
5. Name and address of party to whom correspondence concerning this document should be mailed:	6. Total number of applications and patents involved: 1
Name: Edward A. Pennington, Esq. Internal Address:	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card Authorized to be charged to deposit account
Street Address: Swidler Berlin LLP 3000 K Street, NW, Suite 300 City: Washington	☐ Enclosed ☐ None required (government interest not affecting title)
State: DC Zip: 20007-5116 Phone Number: (202) 424-7500 Fax Number: (202) 295-8478 Email Address: eapennington@swidlaw.com	a. Credit Card Last 4 Numbers Expiration Date b. Dep83/04/2006 MUSILER 0000127 (25/47.0009)19 Authorized User Name Edward M. Pennington, Esq.
9. Signature : Signature Signature Edward A. Pennington, Reg. No. 32,588 Name of Person Signing	Swidler Berlin, LLP 12-29-05 Date Total number of pages Including attachment document 2 or sheet) should be faxed to (703) 306-5995, or mailed to:

Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

REEL: 017421 FRAME: 0930

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter, "ASSIGNOR") by (Insert Name(s) & Address(es) of ASSIGNEE(S)) **FUJITSU LIMITED** 1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 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 (Title of Invention) **OPTICAL TRANSMISSION APPARATUS** 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) Assignee's attorney is hereby authorized to insert in (b) the specified Serial No. ____/_ data, when known. 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). Nov. 3, 2005 Yasushi SUGAYA (Type Name) (Signature) (Type Name) (Signature) (Type Name) (Date)

> PATENT REEL: 017421 FRAME: 0931

RECORDED: 12/29/2005