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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

	Attorney Docket No.: 0247D-7183	
To the Assistant Commissioner for Patents: Please re	cord the attached original documents or copy thereof.	
Name of conveying party(ies): OKUTA, Michitaka AJIMA, Hiromi 12-23-78	Name and address of receiving party(ies): Kyocera Corporation 6, Takeda Tobadono-cho, Fushimi-ku, Kyoto-shi Kyoto 612-8501 Japan	
Additional name(s) of conveying party(ies) attached? ☐ Yes ☑ No 3. Nature of conveyance:	135 U	
⊠ Assignment		
☐ Security Agreement ☐ Change of Name ☐ Other		
Execution Date: December 15, 1998	Additional name(s) & address(es) attached? ☐ Yes ⊠ No	
Application number(s) or patent number(s): If this document is being filed together with a new application, the execution. A. Patent Application No.(s) NOT ASSIGNED	ution date of the application is: December 15, 1998 B. Patent No.(s)	
Additional numbers attac	ched? ☐ Yes ⊠ No	
5. Name and address of party to whom correspondence concerning document should be mailed: William H. Wright, Esq. LOEB & LOEB LLP 10100 Santa Monica Blvd., 22nd Floor Los Angeles, CA 90067-4164	6. Total number of applications and patents involved: [1] 7. Total fee (37 CFR 3.41) \$40 ☐ Enclosed ☐ Authorized to be charged to deposit account 8. Deposit account number: 12-1820 (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 is true and correct William H. Wright	ct and any attached copy is a true copy of the original document. Date: December 23, 1998	
OMB No. 0651-0011 (exp. 4/94)	ormation to:	
Mail documents to be recorded with required cover sheet information to: Assistant Commissioner for Patents Box Assignments Washington, D.C. 20231		

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Form PTO-1595

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PATENT REEL: 9679 FRAME: 0463

(1-8) Insert Name(s) of Inventor(s)	(1) Michitaka OKUTA	(5)	
	(2) Hiromi AJIMA	(6)	
	(3)	(7)	
	(4)	(8)	

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(9)	Insert name of Assignee	(9) Kyocera Corporation
(10)	Insert state of incorporation of Assignee	(10) A Japanese Corporation
(11)	Insert address of Assignee	6, Takeda Tobadono-cho, Fushimi-ku, Kyoto-shi, KYOTO (11) 612-8501 JAPAN (hereinafter designated as the Assignee) the entire worldwide right, title and interest in the invention known as
(12)	Insert identifi- cation of invention, such as Title, Case Number or Foreign Foreign App. Number	OPTICAL FIBER COUPLER, METHOD FOR PRODUCING THE SAME AND (12 OPTICAL AMPLIFIER USING THE SAME for which the undersigned has (have) executed an application for patent in the United States of America
(13)	Insert Date of Signing of Declaration	(13) on <u>December 15, 1998</u>

- (1) The undersigned agree(s) to execute all papers necessary in connection with the application and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.
- (2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.
- (3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the international Convention for Protection of Industrial Property or similar agreements.
- (4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.
- (5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.
- (6) The undersigned hereby grants STUART LUBITZ, Reg. No. 20,680; RICHARD H. ZAITLEN, Reg. No. 27,248; ALEX CHARTOVE, Reg. No. 31,942; DAVID M. SIMON, Reg. No. 32,756; JAY M. FINKELSTEIN, Reg. No. 21,082; ROGER R. WISE, Reg. No. 31,204; GARY D. MANN, Reg. No. 34,867; DON F. LIVORNESE, Reg. No. 32,040; WILLIAM K. KONRAD, Reg. No. 28,868; LOUIS A. MOK, Reg. No. 22,585; JOHN P. SCHERLACHER, Reg. No. 23,009; †TED RITTMASTER, Reg. No. 32,933; SAMUEL L. ALBERSTADT, Reg. No. 32,766; PAUL H. KOVELMAN, Reg. No. 35,228; PAUL G. NAGY, Reg. No. 37,896; JONATHAN Y. KANG, Reg. No. 38,199; DAVID L. LUBITZ, Reg. No. 38,229; MARGARET A. KIVINSKI, Reg. No. 38,517; WEINING YANG, Reg. No. 38,690; ALAN S. RAYNES, DAVID W. VICTOR, Reg. No. 39,867; CHRIS P. PERQUE, Reg. No. 37,696; PHILLIPPE O. ERWIN, Reg. No. 38,132; RANDALL C. FURLONG, Reg. No. 35,144; and JOSEPH F. VONSAUERS, Reg. No. 37,253 the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent & Trademark Office for recordation of this document.

Date: December 15, 1998	Name of Inventor: Michitaka Obuta	(SEAL)
Date: December 15, 1998	Name of Inventor: Hitcmi Arimy	(SEAL)
Date:	Name of Inventor:	(SEAL)
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RECORDED: 12/23/1998 REEL: 9679 FRAME: 0464