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08-04-2006 MODIFIED Form PTO-1595 U.S. DEPARTMENT OF COMMERCE VER SHEET (Rev. 10/02) U.S. Patent and Trademark Office LY To the Director of the 103286449 the attached original documents or copy thereof. 1. Name of conveying party(ies): A address of receiving party(ies): Katsuhiro TAKENAGA FUJIKURA LTD. Ning GUAN 5-1, Kiba 1-chome Shoichiro MATSUO Kohtoh-ku, Tokyo, Kuniharu HIMENO Japan Koichi HARADA Additional name(s) of conveying party(ies) attached?

Yes

No 3. Nature of conveyance: ☑ Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name ☐ Other Execution Date: July 7, 2006 Additional name(s) & address(es) attached? 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: July 7, 2006 A. Patent Application No.(s) 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: SUGHRUE MION, PLLC 7. Total fee (37 CFR 3.41): \$40.00 WASHINGTON OFFICE Enclosed. ☐ Authorized to be charged to Deposit Account No. 19-4880. 23373 The USPTO is directed and authorized to charge all required CUSTOMER NUMBER fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said 08.02/2006 MERYPAGH 00000038 105 Deposit Account. 8. Deposit Account Number: 04 F0:8021 19-4880 (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE 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 doc July 26, 2006 Bernstein Reg. No. 25,665 Date Total number of pages including cover sheet, attachments, and documents: 2 Mail documents to be recorded with required cover sheet information to: MAIL STOP ASSIGNMENT RECORDATION SERVICES

Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 23313-1450

PATENT REEL: 018145 FRAME: 0195

DSP-20537 For Non-U.S. Clients

ASSIGNMENT

Whereas, I/we, (1) Katsuhiro TAKENAGA; (2) Ning GUAN; (3) Shoichiro MATSUO; (4) Kuniharu HIMENO; and (5) Koichi HARADA

of (1) to (5) c/o Fujikura Ltd., Sakura Works, 1440, Mutsuzaki, Sakura-shi, Chiba-ken, Japan have invented certain improvements in

METHOD FOR MEASURING MULTIMODE OPTICAL FIBER

and executed an application for Letters Patent of the United States of America therefor on

July 7, 2006; and

Whereas, Fujikura Ltd. of 5-1, Kiba 1-chome, Kohtoh-ku, Tokyo, Japan.,

(assignee), desires to acquire the entire right, title and interest in the application and invention, and to any United States and foreign patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America and all countries foreign thereto, including the rights of priority under the International Convention of Paris (1883) as amended, and I/we request the Director – U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we hereby agree that the assignee may apply for foreign Letters Patent on the invention and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee.

	If we hereby authorize and request my/our attor			rneys SUGHRUE MION, PLLC of 2100 Pennsylvani	
Avenue,	N.W.,	Washington, D.C.	20037-3213	to insert here in parentheses (Application	
ıumber		, filed) the filing date and application number of sai	
pplicati	on when k	nown.			
	Date:	July 7, 2006	s/	Katouliro Takenaga	
	Date:	July 7, 2006	s/	Ming Guan Katsuhiro TAKENAGA	
	Date:	July 7, 2006	s/	Shoichow Matsuo.	
	Date:	July 7, 2006	s/	Shoichiro MATSUO	
	Date:	July 7, 2006	s/	Kuniharu HIMENO	
		•		Koichi HARADA	

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. § 261)

PATENT REEL: 018145 FRAME: 0196

RECORDED: 07/26/2006