Docket No.: 14998.235 10-06-2000 FORM PTO-1595 (Modified) ΞT U.S. DEPARTMENT OF COMMERCE (Rev. 6-93) OMB No. 0651-0011 (exp.4/94) Patent and Trademark Office Copyright 1996-97 LegalStar P08A/REV02 Tab settings → → 101481309 To the Honorable Commissioner of Pate... and mademarks: Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): 5-14-00 2. Name and address of receiving party(ies): Ryokichi Matsumoto Hideki Sasaki Name: Fujikura Ltd. Kenji Nishide Address: 5-1, Kiba 1-chome, Kohtoh-ku Ryozo Yamauchi and Shigefumi Yamasaki Additional names(s) of conveying party(ies) ☐ Yes ☒ No 3. Nature of conveyance: ☐ Merger ☐ Security Agreement ☐ Change of Name City: Tokyo \_\_\_\_\_State/Prov.: ☐ Other Country: Japan ZIP: Execution Date: August 9, 2000 Additional name(s) & address(es) ☐ Yes ☑ No 4. Application number(s) or registration numbers(s): () 9If this document is being filed together with a new application, the execution date of the application is: August 9, 2000 Patent Application No. Filing date B. Patent No.(s) ☐ Yes ☐ No Additional numbers 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: concerning document should be mailed: Name: Ira J. Schaefer 7. Total fee (37 CFR 3.41):....\$ 40.00 26,802 Registration No. Enclosed - Any excess or insufficiency should be credited or debited to deposit account Address: Chadbourne & Parke LLP Authorized to be charged to deposit account 30 Rockefeller Plaza 8. Deposit account number: City: New York State/Prov.: NY 03-1240 ZIP: 10112 Country: USA DO NOT USE THIS SPACE 10/05/2000 MTHAI1 00000177 031240 09638162 01 FC:581 40.00 CH 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. August 14, 2000 Ira J. Schaefer Signature U Date Name of Person Signing Total number of pages including cover sheet, attachments, and

REEL: 011127 FRAME: 0699

	Assignment of Rights, Title and (Multiple inventors; sir	Docket No.		
This is an A	ssignment of the following rights, title a	and interest: (check all that apply):		
☐ United States of America rights, title and interest in the invention				
	United States Patent Application Serial No.			
	Date of Execution:	Date of Filing:		
	United States Provisional Patent App	lication Serial No.		
	United States Patent No(s).			
	International (PCT) Patent Application Serial No.			
	Other (specify)			
Title of the I		TIDED AND DOLADIZATION WATER		
COMPO	ONENT	FIBER AND POLARIZATION-MAIN	raining OPTICAL FIBER	
Name		Address		
(1)Ryokichi Matsumoto		Address of all the inventor	s:	
(2)Hideki Sasaki		c/o Fujikura Ltd., Sakura Wo	rks, 1440, Mutsuzaki,	
(3)Kenji Nishide		Sakura-shi, Chiba-ken, Japan		
(4)Ryozo Yamauchi				
(5)Shigefumi Yamasaki				
Assignee				
	Name	Address		
Fujikura Ltd.		5-1, Kiba 1-chome, Kohtoh-k	ku, Tokyo, Japan	
1				

[Page 1 of 2 ]

AS03A/REV01

## Assignment of Rights, Title and Interest in Invention (Multiple inventors; single assignee)

Docket No.

Whereas, we, the above-identified Inventors, have invented certain new and useful improvements in the Invention identified above and described in the above-identified patent application(s) and/or patent(s) (hereinafter referred to as "Invention");

And, whereas we desire to assign our above-identified rights, title and interest in the Invention to the above-identified Assignee;

Now, this indenture witnesseth, that for good and valuable consideration, the receipt whereof is hereby acknowledged;

We hereby assign, sell and transfer our above-identified rights, title and interest in said Invention, said application(s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted or have granted for said Invention, and in and to any and all reissues and reexaminations thereof, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignee;

And we hereby authorize and request the Commissioner of Patents and Trademarks to issue any United States Letters Patent which may issue for said Invention to said Assignee, as assignee of the whole right, title and interest thereto;

And we further agree to sign and execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent, and/or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee or its Designee(s) may from time to time require and prepare at its own expense.

Inventors' Signatures (if Notarization is desired, do not sign here and proceed to next page)

Name	Signature/Date	
(1) Ryokichi Matsumoto	N. matsumoto August 9, 2000	
(2) Hideki Sasaki	A. matsumoto August 9, 2000  A. Sasahi August 9, 2000  K. Nishrel August 9, 2000	
(3) Kenji Nishide	K. Nishvel August 9, 2000	
(4) Ryozo Yamauchi	Ryon Gamauch August 9, 2000  August 9, 2000  August 9, 2000  August 9, 2000	
(5) Shigefumi Yamasaki	8.4a August 9, 2000	

[Page 2 of 2]

PATENT REEL: 011127 FRAME: 0701