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U.S. DEPARTMENT OF COMMERCE 02086474 US Patent and Trademark Office

OMB No. 0651-0027 (exp. 5/31/2002) To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. 2. Name and address of receiving party(ies) 1. Name of conveying party(ies): Shuji Okagawa, Hideo Kato, Name: Moritex Corporation Kenji Yaqi Internal Address: 5-7-02 Additional name(s) of conveying party(ies) attached? The Yes The No 3. Nature of conveyance: Merger Assignment Street Address: 3-1-14 Jingu-mae ☐ Change of Name Security Agreement Shibuya-ku Other____ City: Tokyo State: Japan Zip: Execution Date: 4/22 & 4/23, 2002Additional name(s) & address(es) attached? Yes No 4. Application number(s) or patent number(s): 10/097,867 If this document is being filed together with a new application, the execution date of the application is:_____ A. Patent Application No.(s) B. Patent No.(s) Additional numbers attached? The Yes I No 6. Total number of applications and patents involved: 5. Name and address of party to whom correspondence concerning document should be mailed: 7. Total fee (37 CFR 3.41).....\$ 40.00 Name: Townsend & Banta Internal Address:______ Authorized to be charged to deposit account 8. Deposit account number: Street Address: 1225 Eye St., N.W. Suite 500, #50028 (Attach duplicate copy of this page if paying by deposit account) City: WashingtoState: D.C. Zip: 20005 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 document. Varuel E. Townsend. Donald E. Townsend, Jr. Name of Person Signing Total number of pages including cover sheet, attachments, and documents:

00000171 10097867 10/2002 DBYRNE

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40.00 DP

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

ASSIGNMENT

WHEREAS I/WE, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

METHOD OF PRODUCING AN ELLIPTIC CORE OPTICAL FIBER, AND A PROCESSED PREFORM USED FOR PRODUCING ELLIPTIC CORE OPTICAL FIBER

(hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which the assignee is hereby acknowledged, I/We, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/We hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of Assignment;

AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with assignee, its successors and assigns, any facts known to me/us respecting his invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation-in-part, continuation prosecution and reissue applications, make all rightful oaths and generally do everything possible to aid assignee,

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PATENT REEL: 012873 FRAME: 0977 its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I/We have hereunto set our hand(s).

Full Name of Sole or First Assignor Shuji OKAGAWA	Assignor's Signature	Date
	Shuji Okagana	April 22, 2002
Address		Citizenship
3-2-20 Kiyosumi, Utsunomiya Tochigi Pref., Japan		Japanese
2. Full Name of Second Assignor, if any Hideo KATO	Assignor's Signature	Date
	Hideo Kato	April 23, 2002
Address 521-3 Kami Kawachimachi Kaneda, Kawachi-gun, Tochigi Pref., Japan		Citizenship Japanese
3. Full Name of Third Assignor, if any Kenji YAGI	Assignor's Signature Kenji Yagi	April 23, 2002
Address		Citizenship
3-5-10-202 Kandaiji,		Japanese
Kanagawa-ku, Yokohama, Kanagawa Pref.,		
Japan		

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