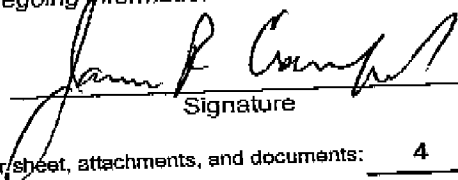


RECORDATION FORM COVER SHEET PATENTS ONLY		U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office
Form PTO-1595 (Rev. 03/01) OMB No. 0651-0027 (exp. 5/31/2002)		
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof		
1. Name of conveying party(ies): SCHÖTZ, Gerhard VYDRA, Jan Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies) Name: <u>Heraeus Quarzglas GmbH</u> Internal Address: _____ Street Address: <u>Quarzstrasse</u> City: <u>Hanau</u> State: <u>Germany</u> Zip: <u>D-63450</u> Additional name(s) & address(es) attached: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. Nature of Conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ Execution Date: <u>December 4, 1998</u>		
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the new application is: _____ A. Patent Application No.(s): _____ B. Patent No.(s): <u>6,622,527</u> Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>James R. Crawford</u> Internal Address: Atty. Dkt.: <u>HQS-348.1-DIV</u> Street Address: <u>Fulbright & Jaworski L.L.P.</u> <u>666 Fifth Avenue</u> City: <u>New York</u> State: <u>NY</u> Zip: <u>10103</u>	6. Total number of applications and patents involved: <u>01</u> 7. Total fee (37 CFR 3.41) \$ <u>40.00</u> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Authorized to be charged to credit card (Form 2038 enclosed) 8. Deposit account number: <u>50-0624</u> (Attach duplicate copy of this page if paying by deposit account)	
DO NOT USE THIS SPACE		
9. Statement and signature. <i>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.</i> <div style="display: flex; justify-content: space-between;"> <div style="width: 40%;"> <u>James R. Crawford</u> Name of Person Signing </div> <div style="width: 30%; text-align: center;">  Signature </div> <div style="width: 25%; text-align: right;"> <u>October 21, 2004</u> Date </div> </div> Total number of pages including cover sheet, attachments, and documents: <u>4</u>		

CH \$40.00 500624 6622527

HQS 348 JEL/JRC

ASSIGNMENT

WHEREAS the undersigned [hereinafter (collectively) "ASSIGNOR"] have invented certain new and useful improvements in

CORE GLASS FOR A PREFORM FOR AN OPTICAL FIBER USING A PREFORM MADE FROM THE CORE GLASS, AND METHOD FOR MAKING THE CORE GLASS AND AN OPTICAL FIBER

for which an application for United States Letters Patent was files as U.S. Serial No. on

WHEREAS **HERAEUS QUARZGLAS GMBH
QUARZSTRASSE
D-63450 HANAU
GERMANY**

a German corporation (hereinafter "ASSIGNEE") is desirous of acquiring the entire right, title and interest in the same:

NOW, THEREFORE, in consideration of the sum of one dollar (\$1.00), the receipt whereof is hereby acknowledged, and other good and valuable consideration, the said ASSIGNOR hereby sells, assigns and transfers unto said ASSIGNEE, full and exclusive right to the said invention in the United States and all other countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States, and all other countries.

SAID ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to said ASSIGNEE, as the assignee of the entire right, title, and interest in and to the same, for the sole use and for the use of its successors, legal representatives, and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by said ASSIGNOR had this assignment and sale not been made.

WITNESS, the hand and seal of the ASSIGNOR on the date(s) indicated.

Date(s) DECEMBER, 4, 1998 Signature(s) Gerhard Schötz
Gerhard Schötz

Date(s) Dec. 4th 1998 Signature(s) Jan Vydra
Jan Vydra

**FULBRIGHT & JAWORSKI L.L.P.
666 Fifth Avenue
New York, New York 10103**