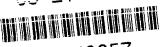
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MODIFIED Form PT RE U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office (Rev. 10/02) To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof. 2. Name and address of receiving party(ies): 1. Name of conveying party(ies): Uwe SCHELLHORN 5.17.84 CARL ZEISS SMT AG Carl-Zeiss-Strasse 22 73447 Oberkochen **GERMANY** Additional name(s) of conveying party(ies) attached? ☐ Yes ☐ No 3. Nature of conveyance: ☑ Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name ☐ Other Execution Date: February 6, 2004 Additional name(s) & address(es) attached?

Yes ✓ No 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: A. Patent Application No.(s) B. Patent No.(s) 10/697,239 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 ☑ Enclosed. WASHINGTON OFFICE ☐ 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 Deposit Account. 8. Deposit Account Number: 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 document. May 17, 2004 George F. Lehnigk Total number of pages including cover sheet, attachments, and documents: 1 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 22313-1450 05/20/2004 DBYRNE 00000105 10697239

PATENT

REEL: 015342 FRAME: 0703

Assignment

Whereas, I/We, Uwe SCHELLHORN of Aalen, GERMANY, hereinafter called assignor(s), have invented certain improvements in

PHASE SHIFTING WAVEFRONT INTERFERENCE METHOD

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

Whereas, CARL ZEISS SMT AG, of Carl-Zeiss-Strasse 22, 73447 Oberkochen, GERMANY (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States 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, including the right to claim priority under 35 U.S.C. §119, and I/we request the Director of the 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 will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

I/We hereby authorize and request our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number 10/697,239, filed October 31, 2003) the application number and filing date of said application when known.

we willhom

Date:

RECORDED: 05/17/2004

February 6th 2004

s/Uwe SCHELLHORN

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

PATENT REEL: 015342 FRAME: 0704