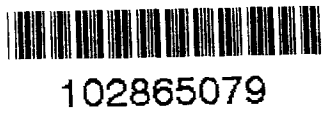




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David R. SHAFER
Alexander EPPLE

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies):
CARL ZEISS SMT AG
Carl-Zeiss-Strasse 22
73447 Oberkochen
GERMANY

10/18/04

3. Nature of conveyance:
☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
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Execution Date: August 31, 2004 and September 6, 2004

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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)
10/869,943

B. Patent No.(s)

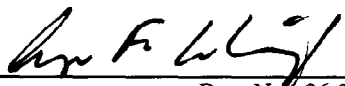
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Assignment

Whereas, I/We, David R. SHAFER and Alexander EPPLÉ of Fairfield, Connecticut, and Aalen, GERMANY, respectively, hereinafter called assignor(s), have invented certain improvements in

CATADIOPTIC REDUCTION LENS

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 10/869,943, filed June 18, 2004) the application number and filing date of said application when known.

Date:

David R. Shafer August 31, 2004
s/David R. SHAFER

Date:

06 - SEP - 2004 Alexander Epplé
s/Alexander EPPLÉ

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