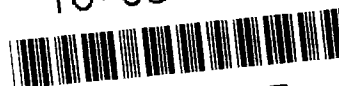


9/28/05

10-03-2005

Q81827



103092745

MODIFIED Form PTO-1595  
(Rev. 10/02)

**RECORDATION  
PATENT**

DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

To the Director of the U.S. Patent and Trademark Office

Record the attached original documents or copy thereof.

**1. Name of conveying party(ies):**

Wolfgang EMER  
Uwe SCHELLHORN  
Manfred DAHL  
Rainer HOCH

**2. Name and address of receiving party(ies):**

CARL ZEISS SMT AG  
Carl-Zeiss-Strasse 22  
73447 Oberkochen  
FEDERAL REPUBLIC OF 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: August 25, 2005, September 9, 2005,  
August 31, 2005, and August 25, 2005

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)  
11/138,430

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

**5. Name and address of party to whom correspondence concerning document should be mailed:**

SUGHRUE MION, PLLC

WASHINGTON OFFICE

**23373**

CUSTOMER NUMBER

**6. Total number of applications and patents involved:**

1

**7. Total fee (37 CFR 3.41):** \$40.00

- ☒ Enclosed.  
☐ Authorized to be charged to Deposit Account No. 19-4880.

The USPTO is directed and authorized to charge all required 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.*

George F. Lehnigk

Reg. No. 36,359

September 28, 2005

Date

Total number of pages including cover sheet, attachments, and documents: two (2)

**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

10/03/2005 DBYRNE 00000012 11136430

01 FC:8021

40.00 DP

**PATENT**  
**REEL: 017036 FRAME: 0556**

## Assignment

Whereas, I/We, Wolfgang EMER, Uwe SCHELLHORN, Manfred DAHL, and Rainer HOCH of Aalen, GERMANY; Aalen, GERMANY; Lauchheim, GERMANY; and Aalen, GERMANY, respectively, hereinafter called assignor(s), have invented certain improvements in

### METHOD FOR DETERMINING DISTORTION AND/OR IMAGE SURFACE

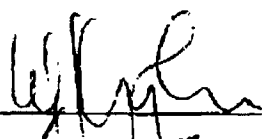
and executed an application for Letters Patent of the United States of America therefor; and

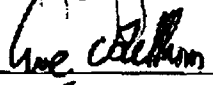
Whereas, CARL ZEISS SMT AG, of Carl-Zeiss-Strasse 22, 73447 Oberkochen, FEDERAL REPUBLIC OF GERMANY (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

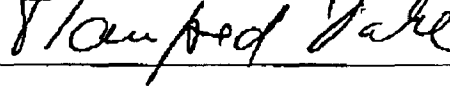
Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

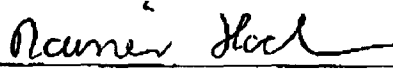
I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. §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 11/138,430, filed May 27, 2005) the application number and filing date of said application when known.

Date: August 25, 2005   
s/Wolfgang EMER

Date: September 9th 2005   
s/Uwe SCHELLHORN

Date: August 31, 2005   
s/Manfred DAHL

Date: AUGUST, 25, 2005   
s/Rainer HOCH

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