

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Frank SCHILLKE</td><td>01/19/2009</td></tr><tr><td>Rolf FREIMANN</td><td>01/13/2009</td></tr><tr><td>Matthias DREHER</td><td>01/19/2009</td></tr></tbody></table>	Name	Execution Date	Frank SCHILLKE	01/19/2009	Rolf FREIMANN	01/13/2009	Matthias DREHER	01/19/2009	
Name	Execution Date								
Frank SCHILLKE	01/19/2009								
Rolf FREIMANN	01/13/2009								
Matthias DREHER	01/19/2009								
RECEIVING PARTY DATA									
Name:	Carl Zeiss SMT AG								
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City:	Oberkochen								
State/Country:	GERMANY								
Postal Code:	73447								
PROPERTY NUMBERS Total: 1									
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12263564</td></tr></tbody></table>	Property Type	Number	Application Number:	12263564					
Property Type	Number								
Application Number:	12263564								
CORRESPONDENCE DATA									
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Total Attachments: 1 source=Q110266-Assignment#page1.tif									

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REEL: 022291 FRAME: 0205

## Assignment

Whereas, I/We, Frank SCHILLKE, Rolf FREIMANN, and Matthias DREHER of Aalen, GERMANY; Aalen, GERMANY; and Ulm, GERMANY, respectively, hereinafter called assignor(s), have invented certain improvements in

### METHOD AND APPARATUS FOR DETERMINING A DEVIATION OF AN ACTUAL SHAPE FROM A DESIRED SHAPE OF AN OPTICAL SURFACE

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

Whereas, CARL ZEISS SMT AG, a German corporation, having a place of business at Rudolf-Eber-Strasse 2, 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 all divisions, and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, 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 12/263,564 and Confirmation number 8467, filed November 3, 2008) the application number and filing date of said application when known.

Date: January 19<sup>th</sup>, 2009 Frank Schillke  
s/Frank SCHILLKE

Date: January 13<sup>th</sup>, 2009 Rolf Freimann  
s/Rolf FREIMANN

Date: January 19<sup>th</sup>, 2009 Matthias Dreher  
s/Matthias DREHER

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

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