

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2691863

| 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>Aurelian Dodoc</td> <td>02/02/2007</td> </tr> <tr> <td>Wilhelm Ulrich</td> <td>01/30/2007</td> </tr> <tr> <td>Alexander Epple</td> <td>01/29/2007</td> </tr> </tbody> </table>  |                         | Name          | Execution Date    | Aurelian Dodoc      | 02/02/2007            | Wilhelm Ulrich      | 01/30/2007       | Alexander Epple | 01/29/2007 |
| Name  | Execution Date          |               |                   |                     |                       |                     |                  |                 |            |
| Aurelian Dodoc  | 02/02/2007              |               |                   |                     |                       |                     |                  |                 |            |
| Wilhelm Ulrich  | 01/30/2007              |               |                   |                     |                       |                     |                  |                 |            |
| Alexander Epple   | 01/29/2007              |               |                   |                     |                       |                     |                  |                 |            |
| RECEIVING PARTY DATA  |                         |               |                   |                     |                       |                     |                  |                 |            |
| <table border="1"> <tr> <td>Name:</td> <td>CARL ZEISS SMT AG</td> </tr> <tr> <td>Street Address:</td> <td>RUDOLF-EBER-STRASSE 2</td> </tr> <tr> <td>City:</td> <td>73447 OBERKOCHEN</td> </tr> <tr> <td>State/Country:</td> <td>GERMANY</td> </tr> </table>   |                         | Name:         | CARL ZEISS SMT AG | Street Address:     | RUDOLF-EBER-STRASSE 2 | City:               | 73447 OBERKOCHEN | State/Country:  | GERMANY    |
| Name:   | CARL ZEISS SMT AG       |               |                   |                     |                       |                     |                  |                 |            |
| Street Address:   | RUDOLF-EBER-STRASSE 2   |               |                   |                     |                       |                     |                  |                 |            |
| City:   | 73447 OBERKOCHEN        |               |                   |                     |                       |                     |                  |                 |            |
| State/Country:  | GERMANY                 |               |                   |                     |                       |                     |                  |                 |            |
| PROPERTY NUMBERS Total: 2   |                         |               |                   |                     |                       |                     |                  |                 |            |
| <table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>14143000</td> </tr> <tr> <td>Application Number:</td> <td>14143004</td> </tr> </tbody> </table>   |                         | Property Type | Number            | Application Number: | 14143000              | Application Number: | 14143004         |                 |            |
| Property Type   | Number                  |               |                   |                     |                       |                     |                  |                 |            |
| Application Number:   | 14143000                |               |                   |                     |                       |                     |                  |                 |            |
| Application Number:   | 14143004                |               |                   |                     |                       |                     |                  |                 |            |
| CORRESPONDENCE DATA   |                         |               |                   |                     |                       |                     |                  |                 |            |
| <p>Fax Number: (877)769-7945<br/>         Phone: 212-765-5070<br/>         Email: apsi@fr.com<br/> <i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i><br/>         Correspondent Name: CHRIS C. BOWLEY<br/>         Address Line 1: FISH &amp; RICHARDSON P.C.<br/>         Address Line 2: P.O.BOX 1022<br/>         Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022</p> |                         |               |                   |                     |                       |                     |                  |                 |            |
| ATTORNEY DOCKET NUMBER:   | 36919-0006003 / 0006004 |               |                   |                     |                       |                     |                  |                 |            |
| NAME OF SUBMITTER:  | CHERYL A. FORREST       |               |                   |                     |                       |                     |                  |                 |            |
| Signature:  | /Cheryl A. Forrest/     |               |                   |                     |                       |                     |                  |                 |            |
| Date:   | 01/22/2014              |               |                   |                     |                       |                     |                  |                 |            |
| Total Attachments: 1<br>source=AssignmentfromInventors#page1.tif  |                         |               |                   |                     |                       |                     |                  |                 |            |

Docket No. Q81639  
For Non-U.S. Clients

## Assignment

Whereas, I/We, Aurelian DODOC, Wilhelm ULRICH and Alexander EPPLE of Oberkochen, GERMANY; Aalen, GERMANY; and Aalen, GERMANY, respectively, hereinafter called assignor(s), have invented certain improvements in

CATADIOPTIC PROJECTION OBJECTIVE WITH INTERMEDIATE IMAGES  
and executed an application for Letters Patent of the United States of America therefor; and

Whereas, CARL ZEISS SMT AG, of Rudolf-Eber-Strasse 2, 73447 Oberkochen (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 11/596,868, filed November 17, 2006) the application number and filing date of said application when known.

Date:

02 - Feb - 2007

s/Aurelian DODOC

Date:

30 - Jan - 2007

s/Wilhelm ULRICH

Date:

29 - JAN - 2007

s/Alexander EPPLE

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

PATENT