

PATENT ASSIGNMENT COVER SHEET

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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>Daniel Kraehmer</td> <td>02/21/2014</td> </tr> <tr> <td>Ingo Saenger</td> <td>02/21/2014</td> </tr> </tbody> </table>		Name	Execution Date	Daniel Kraehmer	02/21/2014	Ingo Saenger	02/21/2014				
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>CARL ZEISS SMT GMBH</td> </tr> <tr> <td>Street Address:</td> <td>RUDOLF-EBER-STRASSE 2</td> </tr> <tr> <td>City:</td> <td>OBERKOCHEN</td> </tr> <tr> <td>State/Country:</td> <td>GERMANY</td> </tr> <tr> <td>Postal Code:</td> <td>73447</td> </tr> </table>		Name:	CARL ZEISS SMT GMBH	Street Address:	RUDOLF-EBER-STRASSE 2	City:	OBERKOCHEN	State/Country:	GERMANY	Postal Code:	73447
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CORRESPONDENCE DATA											
Fax Number: (877)769-7945 Phone: (617) 542-5070 Email: apsi@fr.com <i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i> Correspondent Name: SEAN P. DALEY Address Line 1: FISH & RICHARDSON P.C. Address Line 2: P.O.BOX 1022 Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022											
ATTORNEY DOCKET NUMBER:	20228-0081001										
NAME OF SUBMITTER:	ALISSA TIZZANO										
Signature:	/Alissa/										
Date:	02/25/2014										
Total Attachments: 2 source=Assignment#page1.tif source=Assignment#page2.tif											

ASSIGNMENT

For valuable consideration, we, DANIEL KRAEHMER of Birnenweg 2, 73457 Essingen, Germany, INGO SAENGER of Wangenmuehle 4, 89522 Heidenheim, Germany, hereby assign to: Carl Zeiss SMT GmbH, a corporation of Germany having a place of business at:

Rudolf-Eber-Strasse 2
73447 Oberkochen
Germany; and

its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled OPTICAL SYSTEM FOR A MICROLITHOGRAPHIC PROJECTION EXPOSURE APPARATUS, filed 2/13/2014, and assigned U.S. Serial Number 14/179,722, this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Date: February 21, 2014 Daniel Kraehmer
DANIEL KRAEHMER

Witnessed by:

Name: Sandra Lillinger Date: February 21, 2014
Name: _____ Date: _____

Date: February 21, 2014 Ingo Saenger
INGO SAENGER

Witnessed by:

Name: Christina Gschwendt Date: February 21, 2014
Name: _____ Date: _____

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