

PATENT ASSIGNMENT

Electronic Version v1.1
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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>Johannes Ruoff</td> <td>04/15/2013</td> </tr> <tr> <td>Heiko Feldmann</td> <td>04/25/2013</td> </tr> </tbody> </table>		Name	Execution Date	Johannes Ruoff	04/15/2013	Heiko Feldmann	04/25/2013						
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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>Internal Address:</td> <td>.</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	Internal Address:	.	City:	.Oberkochen	State/Country:	GERMANY	Postal Code:	.73447
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CORRESPONDENCE DATA													
<p>Fax Number: 8777697945 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: .</p> <p>Email: apsi@fr.com</p> <p>Correspondent Name: David J. Cho</p> <p>Address Line 1: FISH & RICHARDSON P.C.</p> <p>Address Line 2: P.O.BOX 1022</p> <p>Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022</p>													
ATTORNEY DOCKET NUMBER:	21070-0099001												
NAME OF SUBMITTER:	Theresa King												
Signature:	/Theresa King/												

Date:

04/27/2013

Total Attachments: 2

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ASSIGNMENT

For valuable consideration, we, JOHANNES RUOFF of Droste-Huelshoff-Weg 35, 73431 Aalen, Germany, and HEIKO FELDMANN of Alfred-Delp-Strasse 6, 73430 Aalen, 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 MIRROR AND RELATED EUV SYSTEMS AND METHODS, filed 3/8/2013, and assigned U.S. Serial Number 13/789,773, 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: April 15, 2013

Johannes Ruoff
JOHANNES RUOFF

Witnessed by:

Name: Edith Ly

Date: April 15, 2013

Name: _____

Date: _____

Date: April 25, 2013

Heiko Feldmann
HEIKO FELDMANN

Witnessed by:

Name: Christina Gumbert

Date: April 25, 2013

Name: _____

Date: _____

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