

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>Ingo Saenger</td> <td>11/07/2012</td> </tr> <tr> <td>Olaf Dittmann</td> <td>11/12/2012</td> </tr> <tr> <td>Joerg Zimmermann</td> <td>11/12/2012</td> </tr> </tbody> </table>		Name	Execution Date	Ingo Saenger	11/07/2012	Olaf Dittmann	11/12/2012	Joerg Zimmermann	11/12/2012		
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<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											
<p>Fax Number: 8777697945 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 6175425070 Email: apsi@fr.com 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</p>											
ATTORNEY DOCKET NUMBER:	20228-0053001										
NAME OF SUBMITTER:	Alissa Tizzano										
<p>Total Attachments: 2 source=Assignment#page1.tif source=Assignment#page2.tif</p>											

CH \$40.00 13661381

ASSIGNMENT

For valuable consideration, we, INGO SAENGER of Wangenmuehle 4, 89522 Heidenheim, Germany, OLAF DITTMANN of Kirchheimer Bergle 10, 73441 Bopfingen, Germany, JOERG ZIMMERMANN of Weilerstrasse 75, 73434 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 OPTICAL SYSTEM OF A MICROLITHOGRAPHIC PROJECTION EXPOSURE APPARATUS, filed 10/26/2012, and assigned U.S. Serial Number 13/661,381, 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: Nov. 17, 2012

M. Saenger
INGO SAENGER

Witnessed by:

Name: Edith Saenger

Date: November 7, 2012

Name: _____

Date: _____

Date: Nov. 12th, 2012

Olaf Dittmann
OLAF DITTMANN

Witnessed by:

Name: Edith Saenger

Date: November 12, 2012

Name: _____

Date: _____

Date: Nov. 12, 2012

Joerg Zimmermann
JOERG ZIMMERMANN

Witnessed by:

Name: Edith Saenger

Date: November 12, 2012

Name: _____

Date: _____

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