

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>Damian Fiolka</td> <td>03/15/2010</td> </tr> <tr> <td>Daniel Walldorf</td> <td>03/13/2010</td> </tr> <tr> <td>Ingo Saenger</td> <td>03/15/2010</td> </tr> </tbody> </table>		Name	Execution Date	Damian Fiolka	03/15/2010	Daniel Walldorf	03/13/2010	Ingo Saenger	03/15/2010
Name	Execution Date								
Damian Fiolka	03/15/2010								
Daniel Walldorf	03/13/2010								
Ingo Saenger	03/15/2010								
RECEIVING PARTY DATA									
Name:	Carl Zeiss SMT AG								
Street Address:	Rudolf-Eber-Strasse 2								
City:	Oberkochen								
State/Country:	FEDERAL REPUBLIC 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>12717696</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12717696				
Property Type	Number								
Application Number:	12717696								
CORRESPONDENCE DATA									
Fax Number:	(877)769-7945								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	212-765-5070								
Email:	alp@fr.com								
Correspondent Name:	Chris C. Bowley								
Address Line 1:	FISH & RICHARDSON P.C.								
Address Line 2:	P.O.BOX 1022								
Address Line 4:	MINNEAPOLIS, MINNESOTA 55440-1022								
ATTORNEY DOCKET NUMBER:	20228-0048001								
NAME OF SUBMITTER:	Alissa Passacantilli								

Total Attachments: 3
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**PATENT
 REEL: 024093 FRAME: 0328**

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ASSIGNMENT

For valuable consideration, we, DAMIAN FIOLKA of Einsteinstrasse 25, 73447 Oberkochen, Germany, DANIEL WALLDORF of Voltastrasse 69, 60486 Frankfurt, Germany, INGO SAENGER of Goepfinger Weg 18, 89522 Heidenheim, Germany, hereby assign to: Carl Zeiss SMT AG, 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 ILLUMINATION SYSTEM OF A MICROLITHOGRAPHIC PROJECTION EXPOSURE APPARATUS, filed 3/4/2010, and assigned U.S. Serial Number 12/717,696, 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: 03/15/2010

Damian Fiolka
DAMIAN FOLKA

Witnessed by:

Name: Christina Gorkun

Date: March 15, 2010

Name: _____

Date: _____

Date: _____

DANIEL WALLDORF

Witnessed by:

Name: _____

Date: _____

Name: _____

Date: _____

Date: 03/15/2010

I. Saenger
INGO SAENGER

Witnessed by:

Name: Christina Gorkun

Date: March 15, 2010

Name: _____

Date: _____

Date: _____

DAMIAN FOLKA

Witnessed by:

Name: _____

Date: _____

Name: _____

Date: _____

Date: Mar. 13. 2010



DANIEL WALLDORF

Witnessed by:

Name: _____

Date: _____

Name: _____

Date: _____

Date: _____

INGO SAENGER

Witnessed by:

Name: _____

Date: _____

Name: _____

Date: _____

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