

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>Olaf Rogalsky</td><td>01/14/2009</td></tr><tr><td>Boris Bittner</td><td>01/13/2009</td></tr><tr><td>Thomas Petasch</td><td>01/26/2009</td></tr><tr><td>Jochen Haeussler</td><td>01/19/2009</td></tr></tbody></table>	Name	Execution Date	Olaf Rogalsky	01/14/2009	Boris Bittner	01/13/2009	Thomas Petasch	01/26/2009	Jochen Haeussler	01/19/2009	
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Thomas Petasch	01/26/2009										
Jochen Haeussler	01/19/2009										
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>12334685</td></tr></tbody></table>	Property Type	Number	Application Number:	12334685							
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Application Number:	12334685										
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:	23523-0012001										
NAME OF SUBMITTER:	Alissa Passacantilli										
Total Attachments: 3											

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PATENT
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ASSIGNMENT

For valuable consideration, we, OLAF ROGALSKY of Katzenbachstrasse 5, 73447 Oberkochen, Germany, BORIS BITTNER of Rheingoldstr. 6, 91154 Roth, Germany, THOMAS PETASCH of, JOCHEN HAEUSSLER of Oskar-Enclin-Strasse 39, 89568 Hermaringen, 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 LITHOGRAPHIC PROJECTION OBJECTIVE, filed 12/15/2008, and assigned U.S. Serial Number 12/334,685, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; 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: 44 01 09 01 14

Olaf Rogalsky
OLAF ROGALSKY

Witnessed by:

Name: Monica Sestic

Name: Monica Sestic

Date: January 14th, 2009

Date: _____

Date: 09 01 13

Boris Bittner
BORIS BITTNER

Witnessed by:

Name: Monica Sestic

Name: Monica Sestic

Date: 09 01 13

Date: _____

Date: 09 01 26

Thomas Petasch
THOMAS PETASCH

Witnessed by:

Name: Christina Gerstung

Name: Christina Gerstung

Date: January 25th, 2009

Date: _____

Date: 09 01 19

Jochen Häußler
JOCHEN HAEUSSLER

Witnessed by:

Name: 

Date: January 19th 2009

Name: _____

Date: _____

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