

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Markus Deguenther</td> <td>09/05/2008</td> </tr> <tr> <td>Michael Layh</td> <td>08/29/2008</td> </tr> <tr> <td>Michael Gerhard</td> <td>09/01/2008</td> </tr> <tr> <td>Bruno Thome</td> <td>09/09/2008</td> </tr> <tr> <td>Wolfgang Singer</td> <td>08/27/2008</td> </tr> </tbody> </table>		Name	Execution Date	Markus Deguenther	09/05/2008	Michael Layh	08/29/2008	Michael Gerhard	09/01/2008	Bruno Thome	09/09/2008	Wolfgang Singer	08/27/2008
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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" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12190179</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12190179								
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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:	21070-0027001												
NAME OF SUBMITTER:	Alissa Passacantilli												

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Total Attachments: 3
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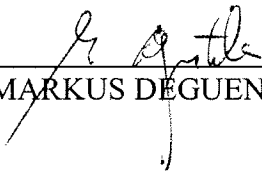
ASSIGNMENT

For valuable consideration, we, MARKUS DEGUENTHER of Langaeckerweg 20, 73432 Aalen, Germany, MICHAEL LAYH of Himmlinger Weg 33, 73432 Aalen, Germany, MICHAEL GERHARD of Toggenburger Strasse 15, 73432 Aalen, Germany, BRUNO THOME of Friedrich-Ebert-Strasse 20, 73433 Aalen, Germany, WOLFGANG SINGER of Egerlandstrasse 45, 73431 Aalen, 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 MICROLITHOGRAPHIC ILLUMINATION SYSTEM, filed 8/12/2008, and assigned U.S. Serial Number 12/190,179, 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: 09/05/08


MARKUS DEGUENTHER

Witnessed by:

Name: Edith Roy

Date: September 5, 2008

Name: _____

Date: _____

Date: 08/29/08


MICHAEL LAYH

Witnessed by:

Name: Jovita Jestic

Date: August 29th, 2008

Name: _____

Date: _____

Date: 09/01/08


MICHAEL GERHARD

Witnessed by:

Name: Edith Roy

Date: September 1st, 2008

Name: _____

Date: _____

Date: Sept. 9, 2008

B. Thome
BRUNO THOME

Witnessed by:

Name: Edith Ley

Date: September 9, 2008

Name: _____

Date: _____

Date: Aug 27 2008

W. Singer
WOLFGANG SINGER

Witnessed by:

Name: Edith Ley

Date: August 27, 2008

Name: _____

Date: _____

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