

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>Berndt Warm</td><td>01/31/2008</td></tr><tr><td>Guenther Dengel</td><td>01/29/2008</td></tr></tbody></table>	Name	Execution Date	Berndt Warm	01/31/2008	Guenther Dengel	01/29/2008	
Name	Execution Date						
Berndt Warm	01/31/2008						
Guenther Dengel	01/29/2008						
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>11957647</td></tr></tbody></table>	Property Type	Number	Application Number:	11957647			
Property Type	Number						
Application Number:	11957647						
CORRESPONDENCE DATA							
Fax Number:	(877)769-7945						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	(212) 641-2295						
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:	21070-019001						
NAME OF SUBMITTER:	Alissa Passacantilli						
Total Attachments: 2 source=assign#page1.tif source=assign#page2.tif							

CH \$40.00 11957647

PATENT

500465415

REEL: 020516 FRAME: 0366

ASSIGNMENT

For valuable consideration, we, BERNDT WARM of Danziger Strasse 42, 90571 Schwaig, Germany, GUENTHER DENGEL of In der Reute 2, 89518 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 MICROLITHOGRAPHY ILLUMINATION SYSTEMS, COMPONENTS AND METHODS, filed 12/17/2007, and assigned U.S. Serial Number 11/957,647, 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: January, 37, 2008

Berndt Warm
BERNDT WARM

Witnessed by:

Name: Sabine Lupp

Date: Jan 31st, 2008

Name: _____

Date: _____

Date: January/29/2008

Guenther Dengel
GUENTHER DENGEL

Witnessed by:

Name: Sabine Lupp

Date: Jan 29th, 2008

Name: _____

Date: _____

. 21809798.doc