

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT																						
NATURE OF CONVEYANCE:	ASSIGNMENT																						
CONVEYING PARTY DATA <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 70%; padding: 5px;">Name</th> <th style="width: 30%; padding: 5px;">Execution Date</th> </tr> </thead> <tbody> <tr><td style="padding: 5px;">Olaf Conradi</td><td style="padding: 5px;">04/10/2008</td></tr> <tr><td style="padding: 5px;">Sascha Bleidistel</td><td style="padding: 5px;">04/27/2008</td></tr> <tr><td style="padding: 5px;">Markus Hauf</td><td style="padding: 5px;">04/14/2008</td></tr> <tr><td style="padding: 5px;">Wolfgang Hummel</td><td style="padding: 5px;">04/14/2008</td></tr> <tr><td style="padding: 5px;">Arif Kazi</td><td style="padding: 5px;">04/07/2008</td></tr> <tr><td style="padding: 5px;">Baerbel Schwaer</td><td style="padding: 5px;">04/10/2008</td></tr> <tr><td style="padding: 5px;">Jochen Weber</td><td style="padding: 5px;">04/15/2008</td></tr> <tr><td style="padding: 5px;">Hubert Holderer</td><td style="padding: 5px;">04/30/2008</td></tr> <tr><td style="padding: 5px;">Payam Tayebati</td><td style="padding: 5px;">04/17/2008</td></tr> <tr><td style="padding: 5px;">Boris Bittner</td><td style="padding: 5px;">04/07/2008</td></tr> </tbody> </table>		Name	Execution Date	Olaf Conradi	04/10/2008	Sascha Bleidistel	04/27/2008	Markus Hauf	04/14/2008	Wolfgang Hummel	04/14/2008	Arif Kazi	04/07/2008	Baerbel Schwaer	04/10/2008	Jochen Weber	04/15/2008	Hubert Holderer	04/30/2008	Payam Tayebati	04/17/2008	Boris Bittner	04/07/2008
Name	Execution Date																						
Olaf Conradi	04/10/2008																						
Sascha Bleidistel	04/27/2008																						
Markus Hauf	04/14/2008																						
Wolfgang Hummel	04/14/2008																						
Arif Kazi	04/07/2008																						
Baerbel Schwaer	04/10/2008																						
Jochen Weber	04/15/2008																						
Hubert Holderer	04/30/2008																						
Payam Tayebati	04/17/2008																						
Boris Bittner	04/07/2008																						
RECEIVING PARTY DATA <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr><td style="width: 20%; padding: 5px;">Name:</td><td style="padding: 5px;">Carl Zeiss SMT AG</td></tr> <tr><td style="padding: 5px;">Street Address:</td><td style="padding: 5px;">Rudolf-Eber-Strasse 2</td></tr> <tr><td style="padding: 5px;">City:</td><td style="padding: 5px;">Oberkochen</td></tr> <tr><td style="padding: 5px;">State/Country:</td><td style="padding: 5px;">FEDERAL REPUBLIC GERMANY</td></tr> <tr><td style="padding: 5px;">Postal Code:</td><td style="padding: 5px;">73447</td></tr> </table>		Name:	Carl Zeiss SMT AG	Street Address:	Rudolf-Eber-Strasse 2	City:	Oberkochen	State/Country:	FEDERAL REPUBLIC GERMANY	Postal Code:	73447												
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; margin-top: 10px;"> <thead> <tr> <th style="width: 30%; padding: 5px;">Property Type</th> <th style="padding: 5px;">Number</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">Application Number:</td> <td style="padding: 5px;">11971328</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11971328																		
Property Type	Number																						
Application Number:	11971328																						
CORRESPONDENCE DATA <p style="margin-top: 10px;">Fax Number: (877)769-7945 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 212-765-5070 Email: ALP@fr.com Correspondent Name: Chris C. Bowley Address Line 1: FISH & RICHARDSON P.C.</p>																							

CH \$40.00 11971328

500569716

PATENT
REEL: 021112 FRAME: 0714

Address Line 2:	P.O.BOX 1022
Address Line 4:	MINNEAPOLIS, MINNESOTA 55440-1022

ATTORNEY DOCKET NUMBER:	18239-049001
-------------------------	--------------

NAME OF SUBMITTER:	Alissa Passacantilli
--------------------	----------------------

Total Attachments: 6 source=ass49#page1.tif source=ass49#page2.tif source=ass49#page3.tif source=ass49#page4.tif source=ass49#page5.tif source=ass49#page6.tif
--

05184 PWS US

ASSIGNMENT

For valuable consideration, we, OLAF CONRADI of Weidenstrasse 32, 73463 Westhausen/Westerhofen, Germany, SASCHA BLEIDISTEL of Vorderer Kirchberg 31, 73432 Aalen, Germany, MARKUS HAUF of Friedrich Silcher Str. 11, 89335 Ichenhausen, Germany, WOLFGANG HUMMEL of Zeppelinstrasse 69, 73430 Aalen, Germany, ARIF KAZI of Parkstrasse 2, 73430 Aalen, Germany, BAERBEL SCHWAER of Dorfmuhle 5, 73432 Aalen, Germany, JOCHEN WEBER of Lohackerweg 2, 89520 Heidenheim, Germany, HUBERT HOLDERER of Zeppelinweg 19, 73447 Oberkochen, Germany, PAYAM TAYEBATI of Ochsensteige 40, 89075 Ulm, BORIS BITTNER of Rheingoldstr. 6, 91154 Roth, 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 PROJECTION OBJECTIVE OF A MICROLITHOGRAPHIC PROJECTION EXPOSURE APPARATUS, filed 1/9/2008, and assigned U.S. Serial Number 11/971,328, 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: April 10th 2008


OLAF CONRADI

Witnessed by:

Name: Sabine Lupp

Date: April 10th, 2008

Name: Houib Jestic

Date: April 10th, 2008

Date: _____

SASCHA BLEIDISTEL

Witnessed by:

Name: _____

Date: _____

Name: _____

Date: _____

Date: April 14th 2008


MARKUS HAUF

Witnessed by:

Name: Sabine Lupp

Date: April 14th, 2008

Name: Houib Jestic

Date: April 14th, 2008

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: _____

OLAF CONRADI

Witnessed by:

Name: _____

Date: _____

Name: _____

Date: _____

Date: Apr. 27th, 2008

Sascha Bleidistel
SASCHA BLEIDISTEL

Witnessed by:

Name: Olaf Bleidistel

Date: Apr. 27th, 2008

Name: Markus Hauf

Date: Apr. 27th, 2008

Date: _____

MARKUS HAUF

Witnessed by:

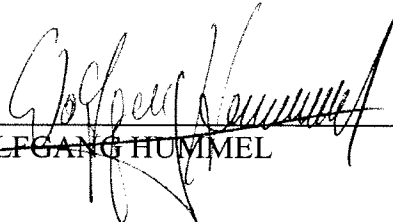
Name: _____

Date: _____

Name: _____

Date: _____

Date: Apr. 14, 2008


WOLFGANG HUMMEL

Witnessed by:


Name: Sabine Lupp

Date: April 14th, 2008

Name: Heidi Jestic

Date: April 14th, 2008

Date: Apr. 7, 2008


ARIF KAZI

Witnessed by:


Name: Sabine Lupp

Date: April 7th, 2008

Name: Heidi Jestic

Date: April 7th, 2008

Date: Apr. 10, 2008


BAERBEL SCHWAER

Witnessed by:

Name: Sabine Lupp

Date: April 10th, 2008

Name: Heidi Jestic

Date: April 10th, 2008

Date: Apr. 15, 2008

Jochen Weber
JOCHEN WEBER

Witnessed by:

Name: Sabine Lunge

Date: April 15th, 2008

Name: Harald Jost

Date: April 15th, 2008

Date: April 30th, 2008

Hubert Holderer
HUBERT HOLDERER

Witnessed by:

Name: Harald Jost

Date: April 30th, 2008

Name: Edith Sey

Date: April 30th, 2008

Date: Apr. 17, 2008

Payam Tayebati
PAYAM TAYEBATI

Witnessed by:

Name: Harald Jost

Date: April 17th, 2008

Name: Edith Sey

Date: April 17th, 2008

Date: Apr. 7, 2008

Boris Bittner
BORIS BITTNER

Witnessed by:

Name: Yvonne Foster

Date: April 7th, 2008

Name: Edith Roy

Date: April 7th, 2008

. 21850800.doc