**PATENT ASSIGNMENT**

Electronic Version v1.1  
Stylesheet Version v1.1

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<th>NEW ASSIGNMENT</th>
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<th>NATURE OF CONVEYANCE:</th>
<th>ASSIGNMENT</th>
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### CONVEYING PARTY DATA

<table>
<thead>
<tr>
<th>Name</th>
<th>Execution Date</th>
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<tbody>
<tr>
<td>Olaf Conradi</td>
<td>04/10/2008</td>
</tr>
<tr>
<td>Sascha Bleidistel</td>
<td>04/27/2008</td>
</tr>
<tr>
<td>Markus Hauf</td>
<td>04/14/2008</td>
</tr>
<tr>
<td>Wolfgang Hummel</td>
<td>04/14/2008</td>
</tr>
<tr>
<td>Arif Kazi</td>
<td>04/07/2008</td>
</tr>
<tr>
<td>Baerbel Schwaer</td>
<td>04/10/2008</td>
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<tr>
<td>Jochen Weber</td>
<td>04/15/2008</td>
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<tr>
<td>Hubert Holderer</td>
<td>04/30/2008</td>
</tr>
<tr>
<td>Payam Tayebati</td>
<td>04/17/2008</td>
</tr>
<tr>
<td>Boris Bittner</td>
<td>04/07/2008</td>
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### RECEIVING PARTY DATA

<table>
<thead>
<tr>
<th>Name</th>
<th>Carl Zeiss SMT AG</th>
</tr>
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<tbody>
<tr>
<td>Street Address</td>
<td>Rudolf-Eber-Strasse 2</td>
</tr>
<tr>
<td>City</td>
<td>Oberkochen</td>
</tr>
<tr>
<td>State/Country</td>
<td>FEDERAL REPUBLIC GERMANY</td>
</tr>
<tr>
<td>Postal Code</td>
<td>73447</td>
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**PROPERTY NUMBERS Total: 1**

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<tr>
<td>Application Number</td>
<td>11971328</td>
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**CORRESPONDENCE DATA**

Fax Number: (877)769-7945  
*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*

Phone: 212-765-5070  
Email: ALP@fr.com  
Correspondent Name: Chris C. Bowley  
Address Line 1: FISH & RICHARDSON P.C.
<table>
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<tr>
<th>ATTORNEY DOCKET NUMBER:</th>
<th>18239-049001</th>
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<tbody>
<tr>
<td>NAME OF SUBMITTER:</td>
<td>Alissa Passacantilli</td>
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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 Dorfinhule 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 Lungen
Date: April 10th, 2008

Name: Holmio Jefic
Date: April 10th, 2008

Name: ____________________________
Date: ______________________________

SASCHA BLEIDISTEL

Witnessed by:

Name: ____________________________
Date: ______________________________

Name: ____________________________
Date: ______________________________

Date: April 14th, 2008

MARKUS HAUF

Witnessed by:

Name: Sabine Lungen
Date: April 14th, 2008

Name: Holmio Jefic
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

Witnessed by:

Name: ___________________________  Date: Apr. 24th, 2008

Name: ___________________________  Date: Apr. 27th, 2008

Date: ___________________________  MARKUS HAUF

Witnessed by:

Name: ___________________________  Date: __________________

Name: ___________________________  Date: __________________
Date: Apr 14, 2008

Witnessed by:

Name: Sabine Langer

Name: Heaile Festi

Date: Apr 7, 2008

Witnessed by:

Name: Sabine Langer

Name: Heaile Festi

Date: Apr 10, 2008

Witnessed by:

Name: Sabine Langer

Name: Heaile Festi

Date: Apr 14th, 2008

Date: Apr 14th, 2008

Date: Apr 14th, 2008

Date: Apr 14th, 2008

Date: Apr 14th, 2008

Date: Apr 14th, 2008

Date: Apr 14th, 2008

Date: Apr 14th, 2008

WOLFGANG HUMMEL

ARIF KAZI

BAERBEL SCHWAER
Date: Apr. 15, 2008

Witnessed by:

Name: Sabine Jance
Date: Apr. 15th, 2008

Name: Helene Jasic
Date: Apr. 15th, 2008

Date: April 30th, 2008

Witnessed by:

Name: Helene Jasic
Date: April 30th, 2008

Name: Edith Jere
Date: April 30th, 2008

Date: Apr. 17, 2008

Witnessed by:

Name: Yamil Jasic
Date: April 17th, 2008

Name: Edith Jere
Date: April 17th, 2008
Date: April 7, 2008

BORIS BITTNER

Witnessed by:

Name: [Signature]

Date: April 1st, 2008

Name: [Signature]

Date: April 7th, 2008