

## 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>Timo Laufer</td> <td>03/01/2012</td> </tr> <tr> <td>Alexander Sauerhoefer</td> <td>03/01/2012</td> </tr> </tbody> </table>		Name	Execution Date	Timo Laufer	03/01/2012	Alexander Sauerhoefer	03/01/2012
Name	Execution Date						
Timo Laufer	03/01/2012						
Alexander Sauerhoefer	03/01/2012						
RECEIVING PARTY DATA							
Name:	Carl Zeiss SMT GmbH						
Street Address:	Rudolf-Eber-Strasse 2						
City:	Oberkochen						
State/Country:	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>13370989</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13370989		
Property Type	Number						
Application Number:	13370989						
CORRESPONDENCE DATA							
Fax Number:	(877)769-7945						
Phone:	6175425070						
Email:	apsi@fr.com						
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>							
Correspondent Name:	Sean P. Daley						
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ATTORNEY DOCKET NUMBER:	20228-0061001						
NAME OF SUBMITTER:	Alissa Tizzano						
Total Attachments: 3 source=061_Assignment#page1.tif source=061_Assignment#page2.tif source=061_Assignment#page3.tif							

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ASSIGNMENT

For valuable consideration, we, TIMO LAUFER of Fangelsbachstrasse 26, 70180 Stuttgart, Germany, ALEXANDER SAUERHOEFER of Barnerstrasse 25, 22765 Hamburg, Germany, hereby assign to: Carl Zeiss SMT GmbH, 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 OPTICAL ARRANGEMENT IN AN OPTICAL SYSTEM, IN PARTICULAR IN A MICROLITHOGRAPHIC PROJECTION EXPOSURE APPARATUS, filed 2/10/2012, and assigned U.S. Serial Number 13/370,989, 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: March 7<sup>th</sup> 2012 T. Laufer  
TIMO LAUFER

Witnessed by:

Name: Edith Laufer Date: March 7, 2012

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Date: \_\_\_\_\_  
ALEXANDER SAUERHOEFER

Witnessed by:

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Name: \_\_\_\_\_ Date: \_\_\_\_\_

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Date: \_\_\_\_\_

\_\_\_\_\_  
TIMO LAUFER

Witnessed by:

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Date: March 01, 2012

  
ALEXANDER SAUERHOEFER

Witnessed by:

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Name: \_\_\_\_\_

Date: \_\_\_\_\_

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