

# PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Aurelian Dodoc</td> <td>11/19/2007</td> </tr> <tr> <td>Albrecht Ehrmann</td> <td>11/22/2007</td> </tr> <tr> <td>Sascha Bleidistel</td> <td>11/19/2007</td> </tr> </tbody> </table>		Name	Execution Date	Aurelian Dodoc	11/19/2007	Albrecht Ehrmann	11/22/2007	Sascha Bleidistel	11/19/2007		
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<b>RECEIVING PARTY DATA</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Carl Zeiss SMT AG</td> </tr> <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> </tr> </table>		Name:	Carl Zeiss SMT AG	Street Address:	Rudolf-Eber-Strasse 2	City:	Oberkochen	State/Country:	FEDERAL REPUBLIC GERMANY	Postal Code:	73447
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<b>CORRESPONDENCE DATA</b>											
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:	18239-0044002										
NAME OF SUBMITTER:	Alissa Passacantilli										
Total Attachments: 2 source=assign44#page1.tif											

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**PATENT**  
**REEL: 023584 FRAME: 0452**



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ASSIGNMENT

For valuable consideration, we  
Aurelian Dodoc, ~~D-73447 Oberkochen~~ <sup>D-89522 Heidenheim</sup>, Germany  
Albrecht Ehrmann, D-73432 Aalen-Ebnet, Germany  
Sascha Bleidistel, ~~D-73431 Aalen~~ <sup>73432</sup>, Germany

hereby assign to:

**Carl Zeiss SMT AG**, a corporation of **Germany** having a place of business at: Rudolf-Eber-Str. 2, D-73447 Oberkochen, DE; and its successors and assign (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 SYSTEM OF A MICROLITHOGRAPHIC PROJECTION EXPOSURE  
APPARATUS

filed 10/18/2007 and assigned U.S. Serial Number 11/911,899, 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 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: Nov 19th, 2007 Aurelian Dodoc  
(Aurelian Dodoc)

Date: Nov 22nd, 2007 Albrecht Ehrmann  
(Albrecht Ehrmann)

Date: Nov 19th, 2007 Sascha Bleidistel  
(Sascha Bleidistel)