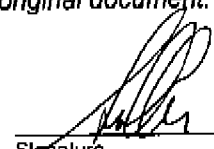


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 Attorney Docket No.: 17979-034US2
 Client's Ref. No.: 04157P US1

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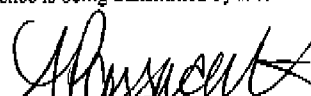
Commissioner for Patents: Please record the attached original document(s) or copy(ies).	
1. Name of conveying party(ies): David R. Shafer, Susanne Beder, Karl-Heinz Schuster and Wolfgang Singer Additional name(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies): Carl Zeiss SMT AG Rudolf-Eber-Strasse 2 73447 Oberkochen Germany Additional names/addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other: Execution Date: 03/27/2006; 02/24/2006; 03/07/2006 and 10/06/2006	4. Application number(s) or patent number(s): If this document is being filed with a new application, the execution date of the application is: A. Patent Application No(s): 11/758,363 B. Patent No(s): Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5. Name/address of party to whom correspondence concerning document should be mailed: SEAN P. DALEY Fish & Richardson P.C. 225 Franklin Street Boston, MA 02110	6. Total number of applications/patents involved: 1 7. Total fee (37 CFR §3.41): \$40 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to charge Deposit Account. 8. Deposit Account No.: 06-1050 Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.
DO NOT USE THIS SPACE	
9. Statement and Signature: <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i>	
Sean P. Daley Reg. No. 40,978 Name of Person Signing	<div style="text-align: center;">  Signature </div> <div style="text-align: right; padding-right: 50px;"> July 10, 2007 Date </div>
Total number of pages including coversheet, attachments and document: 7	

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I hereby certify that this correspondence is being transmitted by facsimile to the Patent and Trademark Office on the date indicated below.

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PATENT

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ASSIGNMENT

For valuable consideration, we, David R. Shafer, of Fairfield, CT; Susanne Beder, of Aalen, Germany; Karl-Heinz Schuster, of Königsbrunn, Germany; hereby assign to CARL ZEISS SMT AG, a corporation of Germany, having a place of business at Carl-Zeiss-Strasse 22, Oberkochen, Germany 73447, 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 OBJECTIVES AS A MICROLITHOGRAPHY PROJECTION OBJECTIVE WITH AT LEAST ONE LIQUID LENS, filed December 21, 2005, and assigned U.S. Serial Number 10/562,257, 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 27, 2006David R. Shafer
DAVID R. SHAFER

STATE OF

CT.

COUNTY OF

Fairfield

) SS.

On March 27, 2006, before me, the undersigned, a notary public for the State of Connecticut, there personally appeared DAVID R. SHAFER personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this Assignment, who acknowledged having executed the same in his authorized capacity and that by his signature on this Assignment, the person or the entity upon behalf of which he acted, executed this Assignment.

WITNESS my hand and official seal.

Kemyl Eastman
Notary Public

✓ 10/31/08

DATE: Feb - 24 - 2006Susanne Beder
SUSANNE BEDERJungfernd Bach DATE: February 24, 2006
Witness: Carl Zeiss AG, 73446 Oberkochen
Address:_____
DATE: _____
Witness:
Address:DATE: March 7th, 2006 Karl-Heinz Schuster
KARL-HEINZ SCHUSTERGerrit Helmle DATE: March 7, 2006
Witness: Gerrit Helmle
Address: Carl Zeiss AG, Patentabteilung, 73446 Oberkochen

DATE: _____
Witness:
Address:

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ASSIGNMENT

For valuable consideration, I, Wolfgang Singer, of Egerlandstrasse 45, 73431 Aalen, 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"), my 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 me, entitled OBJECTIVES AS A MICROLITHOGRAPHY PROJECTION OBJECTIVE WITH AT LEAST ONE LIQUID LENS, filed December 21, 2005, and assigned U.S. Serial Number 10/562,257, 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 I authorize the Assignee to apply in all countries in my 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 I agree for me and my 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.

Attorney Docket No: 17979-034US1 / 04157PUS

DATE: 6. Oct. 2006

W. Singer
WOLFGANG SINGER

Witnessed by:

Name: A. Paul

Date: October 06, 2006

Name: Isabel Segel

Date: October 06, 2006

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