

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	Michael Layh	07/08/2010
	Markus Deguenther	07/13/2010
	Michael Patra	07/08/2010
	Johannes Wangler	07/09/2010
	Manfred Maul	07/14/2010
	Damian Fiolka	07/09/2010
	Gundula Weiss	07/09/2010
RECEIVING PARTY DATA		
Name:	CARL ZEISS SMT AG	
Street Address:	RUDOLF-EBER-STRASSE 2	
City:	OBERKOCHEN	
State/Country:	GERMANY	
Postal Code:	73447	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	14633738
CORRESPONDENCE DATA		
Fax Number:	(877)769-7945	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>		
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Email:	apsi@fr.com	
Correspondent Name:	SEAN P. DALEY	
Address Line 1:	FISH & RICHARDSON P.C.	
Address Line 2:	P.O.BOX 1022	
Address Line 4:	MINNEAPOLIS, MINNESOTA 55440-1022	
ATTORNEY DOCKET NUMBER:	18239-0079004	
NAME OF SUBMITTER:	ALISSA TIZZANO	
SIGNATURE:	/Alissa/	
DATE SIGNED:	03/02/2015	

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Total Attachments: 3

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ASSIGNMENT

For valuable consideration, we, MICHAEL LAYH of Heulenbergweg 30, 73432 Aalen, Germany, MARKUS DEGUENTHER of Langackerweg 20, 73432 Aalen, Germany, MICHAEL PATRA of Schubartweg 41, 73447 Oberkochen, Germany, JOHANNES WANGLER of An der Reute 15, 89551 Koenigsbronn, Germany, MANFRED MAUL of Eichweg 29, 73434 Aalen, Germany, DAMIAN FIOLKA of Einsteinstrasse 25, 73447 Oberkochen, Germany, GUNDULA WEISS of Im Sonnenwinkel 9, 73434 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"), 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 MICROLITHOGRAPHIC PROJECTION EXPOSURE APPARATUS, filed 6/18/2010, and assigned U.S. Serial Number 12/818,844, 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: 07/08/2010

Michael Layh
MICHAEL LAYH

Witnessed by:

Name: Edith Lay

Date: July 8, 2010

Name: _____

Date: _____

Date: 07/13/10

Markus Deguenther
MARKUS DEGUENTHER

Witnessed by:

Name: Edith Lay

Date: July 13, 2010

Name: _____

Date: _____

Date: Jul 1st, 2010

Michael Patra
MICHAEL PATRA

Witnessed by:

Name: Edith Lay

Date: July 8, 2010

Name: _____

Date: _____

Date: Jul 9th 2010

J. W. Wangler
JOHANNES WANGLER

Witnessed by:

Name: Edith Lay

Date: July 9, 2010

Name: _____

Date: _____

Date: 7-14-2010

Manfred Maul
MANFRED MAUL

Witnessed by:

Name: Edith Lg

Date: July 14, 2010

Name: _____

Date: _____

Date: 07-09-2010

D. Fiolka
DAMIAN FIOLKA

Witnessed by:

Name: Edith Lg

Date: July 9, 2010

Name: _____

Date: _____

Date: 07-09-2010

Gundula Weiss
GUNDULA WEISS

Witnessed by:

Name: Edith Lg

Date: July 9, 2010

Name: _____

Date: _____

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