

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Norbert Muehlberger	07/14/2011
Thorsten Rassel	06/21/2011
Armin Schoeppach	06/28/2011
Juergen Fischer	06/17/2011
Matthias Orth	06/20/2011
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	
Property Type	Number
Application Number:	14484696
CORRESPONDENCE DATA	
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<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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Correspondent Name:	SEAN P. DALEY
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Address Line 2:	P.O.BOX 1022
Address Line 4:	MINNEAPOLIS, MINNESOTA 55440-1022
ATTORNEY DOCKET NUMBER:	17979-0247002
NAME OF SUBMITTER:	ALISSA TIZZANO
SIGNATURE:	/Alissa/
DATE SIGNED:	09/23/2014
Total Attachments: 5	
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ASSIGNMENT

For valuable consideration, we, NORBERT MUEHLBERGER of Wuerttemberger,
Strasse 21, 73432 Aalen-Ebnat, Germany, THORSTEN RASSEL of Buehenweg 6, 73460
Huettlingen, Germany, ARMIN SCHOEPPACH of Schlehenweg 50, D-73431 Aalen, Germany,
JUERGEN FISCHER of Talhofstrasse 14, D-89518 Heidenheim, Germany, MATTHIAS ORTH
of Hoelderlinstrasse 28, 73450 Neresheim-Elchingen, 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 GRAVITATION COMPENSATION FOR OPTICAL ELEMENTS IN PROJECTION EXPOSURE APPARATUSES, filed 5/19/2011, and assigned U.S. Serial Number 13/111,492, 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: Juli 14, 2011

Norbert Muehlberger
NORBERT MUEHLBERGER

Witnessed by:

Name: _____

Date: _____

Name: _____

Date: _____

Date: _____

THORSTEN RASSEL

Witnessed by:

Name: _____

Date: _____

Name: _____

Date: _____

Date: _____

ARMIN SCHOEPPACH

Witnessed by:

Name: _____

Date: _____

Name: _____

Date: _____

Date: _____

JUERGEN FISCHER

Witnessed by:

Name: _____

Date: _____

Name: _____

Date: _____

Date: _____

NORBERT MUEHLBERGER

Witnessed by:

Name: _____

Date: _____

Name: _____

Date: _____

Date: June 21, 2011

Thorsten Rassel
THORSTEN RASSEL

Witnessed by:

Name: Edith Sey

Date: June 21, 2011

Name: _____

Date: _____

Date: _____

ARMIN SCHOEPPACH

Witnessed by:

Name: _____

Date: _____

Name: _____

Date: _____

Date: June 17th 2011

Juergen Fischer
JUERGEN FISCHER

Witnessed by:

Name: Edith Sey

Date: June 17, 2011

Name: _____

Date: _____

Date: _____

NORBERT MUEHLBERGER

Witnessed by:

Name: _____

Date: _____

Name: _____

Date: _____

Date: _____

THORSTEN RASSEL

Witnessed by:

Name: _____

Date: _____

Name: _____

Date: _____

Date: June 28, 2011

Armin Schoepfach
ARMIN SCHOEPPACH

Witnessed by:

Name: _____

Date: _____

Name: _____

Date: _____

Date: _____

JUERGEN FISCHER

Witnessed by:

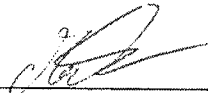
Name: _____

Date: _____

Name: _____

Date: _____

Date: June 20th 2011


MATTHIAS ORTH

Witnessed by:

Name: Editha Lopez

Date: June 20, 2011

Name: _____

Date: _____

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