

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Michael Patra	03/04/2016
Markus Deguenther	03/24/2016
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:	15050889
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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ATTORNEY DOCKET NUMBER:	17979-0412001
NAME OF SUBMITTER:	ALISSA TIZZANO
SIGNATURE:	/Alissa/
DATE SIGNED:	03/29/2016
Total Attachments: 3	
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ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, MICHAEL PATRA, and MARKUS DEGUENTHER, each individually assign to CARL ZEISS SMT GMBH, a corporation formed under the laws of Germany and having a principal place of business at Rudolf-Eber-Strasse 2, 73447 Oberkochen, Germany, and its successors, transferees, and assignees (collectively the "Assignee"), all of our individual and joint right, title, and interest throughout the world in the subject matter (the "Subject Matter") of a patent application that names us as inventors, is titled "FACET MIRROR FOR A PROJECTION EXPOSURE APPARATUS," and was filed in the United States Patent and Trademark Office on February 23, 2016, as application 15/050,889 (the "Application").

This Assignment assigns (a) the Application and all other applications that may be made for, and all patents, utility models, design registrations, and other rights of exclusion and inventors' certificates for, any of the Subject Matter (collectively the "Applications and Granted Rights") in every country or region, (b) the right to claim priority based on and the benefit of the filing date of any of the Applications and Granted Rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or conventions, and (c) the right to pursue, collect, and retain in the Assignee's name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment.

We authorize the Assignee to apply for and pursue protection for any or all of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment in all countries, regions, and territories of the world, in our names or in the Assignee's name.

We represent and warrant that we have the right and power to make this Assignment and that we have not made and will not make any other assignment that conflicts with this Assignment.

We will communicate to the Assignee (or at the request of the Assignee to other parties) all known facts in any form relating to the Subject Matter, will execute and provide all oaths and declarations, statements, testimony, assignments, powers of attorney, applications, and

documents, and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.

Michael Patra
Michael Patra

Date: March 4 2016

Witnessed by:

Signature: Christina Grestura

Date: March 4, 2016

Print Name: CHRISTINA GRESTURA

Signature: _____

Date: _____

Print Name: _____

Markus Deguenther
Markus Deguenther

Date: March 24, 2016

Witnessed by:

Signature: Christina G. K...

Date: March 24, 2016

Print Name: _____

Signature: _____

Date: _____

Print Name: _____

The Assignee hereby acknowledges and accepts the foregoing assignment.

Assignee: CARL ZEISS SMT GMBH

Signature: [Signature] i.V. Dr. Singer

Date: March 24, 2016

Name: i.V. Dr. Frank Wedekind i.V. Dr. Ingo Sönger

Title: authorized clerk authorized clerk

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