

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5079374

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Stephan Andre	03/30/2017
Daniel Golde	03/22/2017
Toralf Gruner	03/22/2017
Johannes Ruoff	03/21/2017
Norbert Wabra	03/28/2017
Ricarda Schoemer	04/02/2017
Sonja Schneider	03/28/2017
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State/Country:	GERMANY
Postal Code:	73447
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16050161
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NAME OF SUBMITTER:	ALISSA TIZZANO
SIGNATURE:	/Alissa/
DATE SIGNED:	08/02/2018

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Total Attachments: 8

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ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, STEPHAN ANDRE, DANIEL GOLDE, TORALF GRUNER, JOHANNES RUOFF, NORBERT WABRA, RICARDA SCHOEMER, and SONJA SCHNEIDER, 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 "PROJECTION LENS, PROJECTION EXPOSURE APPARATUS AND PROJECTION EXPOSURE METHOD FOR EUV MICROLITHOGRAPHY," and was filed in the United States Patent and Trademark Office on February 24, 2017, as application 15/441,441 (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.

Steph - Andre
Stephan Andre

Date: Mar. 30, 2017

Witnessed by:

Signature: S. Weiß

Date: Apr. 8, 2017

Print Name: Stephanie Weiß

Signature: Daniel Schröder

Date: Apr. 10, 2017

Print Name: Daniel Schröder

Daniel Golde
Daniel Golde

Date: March 22 2017

Witnessed by:

Signature: *Christina Gubert* Date: March 22, 2017

Print Name: _____

Signature: _____

Date: _____

Print Name: _____

T. Gruner
Toralf Gruner

Date: March 22nd, 2017

Witnessed by:

Signature: Christina Gyden

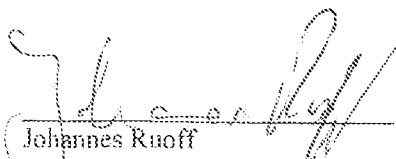
Date: March 22, 2017

Print Name:

Signature:

Date:

Print Name:


Johannes Ruoff

Date: March 21, 2017

Witnessed by:

Signature: Christina G. Stuey

Date: March 21, 2017

Print Name: _____

Signature: _____

Date: _____

Print Name: _____

Norbert Wabra
Norbert Wabra

Date: *March 28, 2017*

Witnessed by:

Signature: *Edith Sorg*

Date: *March 28, 2017*

Print Name: *EDITH SORG*

Signature: _____

Date: _____

Print Name: _____

Ricarda Schömer
Ricarda Schoemer

Date: April 2, 2017

Witnessed by:
Signature: Lothar Schömer
Print Name: LOTHAR SCHÖMER

Date: APRIL 2, 2017

Signature: _____

Date: _____

Print Name: _____

Sonja Schneider
Sonja Schneider

Date: March 28, 2017

Witnessed by:

Signature: [Signature]

Date: March 28, 2017

Print Name: EDITH JORG

Signature: _____

Date: _____

Print Name: _____

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