

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	ASSIGNMENT		
CONVEYING PARTY DATA			
	Name	Execution Date	
	DIRK HELLWEG	08/20/2018	
	STEFAN MUELLER	08/06/2018	
	RALF GEHRKE	08/09/2018	
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:	16026192	
CORRESPONDENCE DATA			
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ATTORNEY DOCKET NUMBER:	30623-0066001		
NAME OF SUBMITTER:	CHERYL A. FORREST		
SIGNATURE:	/Cheryl A. Forrest/		
DATE SIGNED:	08/30/2018		
Total Attachments: 4			
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ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, DIRK HELLWEG, STEFAN MUELLER, and RALF GEHRKE, each individually assigns 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 invention(s) (the "Subject Matter") described in a patent application that names us as inventors, is titled "METROLOGY SYSTEM HAVING AN EUV OPTICAL UNIT," and was or will be filed in the United States Patent and Trademark Office on July 3, 2018, as application 16/026,192 (the "Application").

This Assignment assigns, in addition to the Subject Matter of the Application, (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 and under every treaty or convention, (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.

Dirk Hellweg
Dirk Hellweg

Date: August 20th, 2018

Witnessed By:

Signature: Monika Sestler

Date: AUGUST 20, 2018

Print Name: MONIKA SESTLER

Signature: _____

Date: _____

Print Name: _____

Stefan Mueller
Stefan Mueller

Date: Aug. 6, 2018

Witnessed by:

Signature: _____

Date: _____

Print Name: _____

Signature: _____

Date: _____

Print Name: _____

Ralf Gehrke
Ralf Gehrke

Date: August 04, 2018

Witnessed by:

Signature: Christina Gehrke Date: August 8, 2018

Print Name: _____

Signature: _____

Date: _____

Print Name: _____

The Assignee hereby acknowledges and accepts the foregoing assignment.

Assignee: CARL ZEISS SMT GMBH

Signature: Olaf Dittmann Frank Wedekind Date: August 30, 2018

Name: OLAF DITTMANN Frank Wedekind

Title: authorized sign authorized sign

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