

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT6416351

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Tom Moebert	10/30/2020
Dirk Seidel	11/02/2020
Carsten Schmidt	10/27/2020
Konrad Schoebel	11/12/2020
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<b>Name:</b>	CARL ZEISS SMT GMBH
<b>Street Address:</b>	RUDOLF-EBER-STRASSE 2
<b>City:</b>	OBERKOCHEN
<b>State/Country:</b>	GERMANY
<b>Postal Code:</b>	73447
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16912951
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	50582-0002001
<b>NAME OF SUBMITTER:</b>	CHERYL A. FORREST
<b>SIGNATURE:</b>	/Cheryl A. Forrest/
<b>DATE SIGNED:</b>	11/24/2020
<b>Total Attachments: 5</b>	
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ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, TOM MOEBERT, DIRK SEIDEL, CARSTEN SCHMIDT, and KONRAD SCHOEBEL, each individually assigns or confirms assignment 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 "METHOD, COMPUTER PROGRAM AND APPARATUS FOR DETERMINING A QUALITY OF A MASK OF A PHOTOLITHOGRAPHY APPARATUS," and was filed in the United States Patent and Trademark Office on June 26, 2020, as application 16/912,951 (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.

Tom Uwe Moebert  
Tom Moebert

Date: Oct 30, 2020

Witnessed by:

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Print Name: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Print Name: \_\_\_\_\_

*Dirk Seidel*

Dirk Seidel

Date: 2. 11. 2020  
Nov 2, 2020

Witnessed by:

Signature: M. Wald

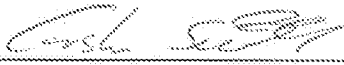
Date: Nov 2, 2020

Print Name: Matthias Wald

Signature: [Signature]

Date: Nov 2, 2020

Print Name: Lars Stoppe

  
.....  
Carsten Schmidt

Date: Oct. 27, 2020

Witnessed by:

Signature: .....

Date: .....

Print Name: .....

Signature: .....

Date: .....

Print Name: .....

Konrad Schöbel  
Konrad Schoebel

Date: Nov. 12, 2020

Witnessed by:

Signature: [Signature]

Date: Nov. 12, 2020

Print Name: Pilar Caparrós García

Signature: [Signature]

Date: Nov. 12, 2020

Print Name: Wiltried Schöbel

The Assignee hereby acknowledges and accepts the foregoing assignment.

Assignee: CARL ZEISS SMT GMBH

Signature: [Signature] i.V. Wolfgang SINGER Date: December 23<sup>rd</sup>, 2020

Name: Jörg Schulte WOLFGANG SINGER

Title: authorized clerk authorized clerk

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