

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Holger Seitz	07/20/2018
Ute Buttgereit	07/20/2018
Thomas Thaler	07/20/2018
Thomas Frank	07/20/2018
Ulrich Matejka	08/17/2018
Markus Deguenther	07/17/2018
Robert Birkner	08/16/2018
Dominik Grau	08/16/2018
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State/Country:	GERMANY
Postal Code:	73447
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16026675
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NAME OF SUBMITTER:	CHERYL A. FORREST
SIGNATURE:	/Cheryl A. Forrest/

PATENT

DATE SIGNED:	08/22/2018
Total Attachments: 9 source=ExecutedAssignment#page1.tif source=ExecutedAssignment#page2.tif source=ExecutedAssignment#page3.tif source=ExecutedAssignment#page4.tif source=ExecutedAssignment#page5.tif source=ExecutedAssignment#page6.tif source=ExecutedAssignment#page7.tif source=ExecutedAssignment#page8.tif source=ExecutedAssignment#page9.tif	

ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, HOLGER SEITZ, UTE BUTTGEREIT, THOMAS THALER, THOMAS FRANK, ULRICH MATEJKA, MARKUS DEGUENTHER, ROBERT BIRKNER, and DOMINIK GRAU, 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 "METHOD AND DEVICE FOR CHARACTERIZING A MASK FOR MICROLITHOGRAPHY," and was or will be filed in the United States Patent and Trademark Office on July 3, 2018, as application 16/026,675 (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.

Holger Seitz
Holger Seitz

Date: 20.07.18

Witnessed by:

Signature: Asad Rasool

Date: 20.07.18

Print Name: Asad Rasool

Signature: Thomas Frank

Date: 20.07.18

Print Name: Thomas Frank

Ute Buttgerit
Ute Buttgerit

Date: 20.07.2018

Witnessed by:

Signature: [Signature]

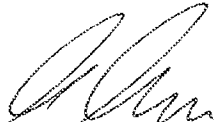
Date: 20.07.2018

Print Name: THOMAS THALER

Signature: T. Zenner

Date: 20.7.2018

Print Name: THOMAS ZENNER



Thomas Thaler

Date: 20.07.2018

Witnessed by:

Signature: Ute Buttgenheit

Date: 20.07.2018

Print Name: UTE BUTTGENHEIT

Signature: T. Zeunel

Date: 20.07.2018

Print Name: THOMAS ZEUNEL

Thomas Frank
Thomas Frank

Date: 20. July 2018

Witnessed by:

Signature: Holger G. A.

Date: 20.07.18

Print Name: Holger G. A.

Signature: [Signature]

Date: 20.07.18

Print Name: Andreas R. [Signature]

Ulrich Matejka
Ulrich Matejka

Date: 17.08.2018

Witnessed by:

Signature: Gran


Date: 17.08.2018

Print Name: Dominik Gran

Signature: Holger Sork

Date: 17.08.18

Print Name: Holger Sork



Markus Deguenther

Date: July 17th, 2018

Witnessed by: _____

Signature: _____

Date: _____

Print Name: _____

Signature: _____

Date: _____

Print Name: _____

R. Birkner
Robert Birkner

Date: 16.02.2018

Witnessed by:

Signature: Grau

Date: 16.02.2018

Print Name: Dominik Grau

Signature: Ute Bultgen

Date: 16.02.2018

Print Name: Ute Bultgen

Grau
Dominik Grau

Date: 16.08.2018

Witnessed by:

Signature: C. Beck

Date: 16.08.2018

Print Name: René Beck

Signature: Ute Beck

Date: 16.08.2018

Print Name: Ute Beck

The Assignee hereby acknowledges and accepts the foregoing assignment.

Assignee: CARL ZEISS SMT GMBH

Signature: i.V. M. Sänger, Helmut Herr Date: August 21, 2018

Name: Mingo Sänger i.V. Helmut Herr

Title: authorized clerk authorized clerk

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