

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4798172

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MICHAEL BREHM	11/11/2016
WOLFGANG MERKEL	11/14/2016
ULRICH WEBER	12/15/2016
HENRY WEGERT	11/17/2016
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:	15291631
CORRESPONDENCE DATA	
Fax Number:	(301)762-4056
<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>	
Phone:	301-424-3640
Email:	epatent@usiplaw.com
Correspondent Name:	EDELL, SHAPIRO & FINNAN, LLC
Address Line 1:	9801 WASHINGTONIAN BOULEVARD
Address Line 2:	SUITE 750
Address Line 4:	GAITHERSBURG, MARYLAND 20878
ATTORNEY DOCKET NUMBER:	2918.0101C
NAME OF SUBMITTER:	GEORGE F. LEHNIGK
SIGNATURE:	/George F. Lehnigk/
DATE SIGNED:	01/29/2018
Total Attachments: 2	
source=P21615US_Assignment#page1.tif	
source=P21615US_Assignment#page2.tif	

ASSIGNMENT

For good and valuable consideration, WE, Michael BREHM, residing in Sulzbach-Laufen, Germany; Wolfgang MERKEL, residing in Neu-Ulm, Germany; Ulrich WEBER, residing in Ulm, Germany; and Henry WEGERT, residing in Westhausen, Germany; hereinafter individually or collectively referred to as "Assignor";

Hereby sell, assign and transfer to **Carl Zeiss SMT GmbH**, a corporation organized and existing under the laws of Germany, having its principal place of business at Rudolf-Eber-Strasse 2, 73447 Oberkochen, Germany, hereinafter "Assignee", its successors, assigns and legal representatives, the entire right, title and interest in and for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned and

filed on October 12, 2016 as US. Application Serial No. 15/291,631

entitled: **OPTICAL ASSEMBLY, PROJECTION SYSTEM, METROLOGY
SYSTEM AND EUV LITHOGRAPHY APPARATUS**

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on said improvements;

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and legal representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

SIGNATURE: Michael Brehm DATE: November, 11th 2016
Michael BREHM

SIGNATURE: W. Merkel DATE: November, 14th 2016
Wolfgang MERKEL

SIGNATURE: Ulrich Weber DATE: December, 15th, 2016
Ulrich WEBER

SIGNATURE: _____ DATE: _____
Henry WEGERT

ASSIGNMENT

For good and valuable consideration, WE, Michael BREHM, residing in Sulzbach-Laufen, Germany; Wolfgang MERKEL, residing in Neu-Ulm, Germany; Ulrich WEBER, residing in Ulm, Germany; and Henry WEGERT, residing in Westhausen, Germany; hereinafter individually or collectively referred to as "Assignor";

Hereby sell, assign and transfer to Carl Zeiss SMT GmbH, a corporation organized and existing under the laws of Germany, having its principal place of business at Rudolf-Eber-Strasse 2, 73447 Oberkochen, Germany, hereinafter "Assignee", its successors, assigns and legal representatives, the entire right, title and interest in and for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned and

filed on October 12, 2016 as US. Application Serial No. 15/291,631

entitled: **OPTICAL ASSEMBLY, PROJECTION SYSTEM, METROLOGY
SYSTEM AND EUV LITHOGRAPHY APPARATUS**

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on said improvements;

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and legal representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

SIGNATURE: _____ DATE: _____
Michael BREHM

SIGNATURE: _____ DATE: _____
Wolfgang MERKEL

SIGNATURE: _____ DATE: _____
Ulrich WEBER

SIGNATURE: H. Wegert DATE: 2016-11-17
Henry WEGERT