## 502913435 07/30/2014

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2960033

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
JOHANNES LIPPERT	09/20/2011
DIRK SCHAFFER	09/22/2011

#### **RECEIVING PARTY DATA**

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### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	13208823

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ATTORNEY DOCKET NUMBER:	2916.0002C	
NAME OF SUBMITTER:	SUBMITTER: GEORGE F. LEHNIGK	
SIGNATURE:	/ George F. Lehnigk /	
DATE SIGNED:	07/30/2014	

**Total Attachments: 1** 

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PATENT 502913435 REEL: 033420 FRAME: 0118

# Assignment

Whereas, I/we, Johannes LIPPERT of Buch am Wald, GERMANY, and Dirk SCHAFFER of Jena, GERMANY hereinafter called assignors, have invented certain improvements in

## OPTICAL ELEMENT FOR UV OR EUV LITHOGRAPHY

and executed an application for Letters Patent of the United States of America therefor; and

Whereas, CARL ZEISS SMT GMBH of Rudolf-Eber-Strasse 2, 73447 Oberkochen, Germany, (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/we, the above named assignors, hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including all divisions, and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, and all countries foreign thereto, including rights of priority under the International Convention of Paris (1883) as amended, including the right to claim priority under 35 U.S.C. §119, and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we hereby agree that the assignee may apply for foreign Letters Patent on the invention and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee.

I/we hereby authorize and request my attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number 13/208,823 and Confirmation number 8794, filed August 12, 2011) the application number and filing date of said application when known.

Date:	September 20 , 2019				
	s/Johannes LIPPERT				
Date:	September 22, 2011	Sylv			
	s/Dirk SCHAFFER	t/			

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)

PATENT REEL: 033420 FRAME: 0119

RECORDED: 07/30/2014