

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT4664801

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
KERSTIN HILD	09/15/2017
FRANZ-JOSEF STICKEL	09/21/2017
ROBERT FICHTL	10/11/2017
JOACHIM HARTJES	09/15/2017
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Property Type	Number
Application Number:	15649097
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SIGNATURE:	/George F. Lehnigk/
DATE SIGNED:	10/30/2017
Total Attachments: 2	
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ASSIGNMENT

For good and valuable consideration, WE, Kerstin HILD, residing in Schwaebisch Gmuend, Germany; Franz-Josef STICKEL, residing in Aalen-Unterrombach, Germany; Robert FICHTL, residing in Aalen, Germany; Joachim HARTJES, residing in Aalen, 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 July 13, 2017 as U.S. Application Serial No. 15/649,097

entitled: **METHOD FOR PRODUCING AN OPTICAL ELEMENT FOR AN
OPTICAL SYSTEM, IN PARTICULAR FOR A
MICROLITHOGRAPHIC PROJECTION EXPOSURE
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;

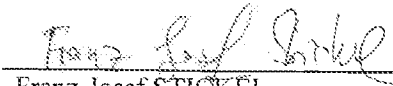
Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, 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.

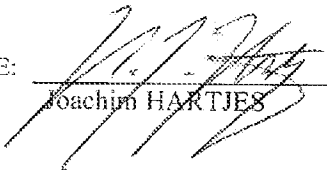
SIGNATURE: Kerstin HILD

Kerstin HILD

DATE: Sep 13 2017

SIGNATURE:  DATE: September 21st, 2017
Franz-Josef STICHEL

SIGNATURE:  DATE: October 11th, 2017
Robert FICHTL

SIGNATURE:  DATE: September 15, 2017
Joachim HARTJES