507809068 03/21/2023

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SHAO-CHI WEI	03/08/2023

RECEIVING PARTY DATA

Name:	CARL ZEISS SMT GMBH
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PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	17882948	

CORRESPONDENCE DATA

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: (617) 542-5070 Email: apsi@fr.com **Correspondent Name: REX I. HUANG**

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Address Line 2: P.O.BOX 1022

Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022

ATTORNEY DOCKET NUMBER:	47083-0013001
NAME OF SUBMITTER:	CHERYL A. FORREST
SIGNATURE:	/Cheryl A. Forrest/
DATE SIGNED:	03/21/2023

Total Attachments: 2

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> **PATENT** REEL: 063041 FRAME: 0426 507809068

Attorney Docket No.: 47083-0013001 ZEISS Ref. No.: 2020P00015 US

Assignment

Whereas, I/We, Shao-Chi Wei, Schuetzengasse 5, 99423 Weimar, Germany hereinafter called assignor, have invented certain improvements in

Method for removing a particle from a mask system and executed an application for Letters Patent of the United States therefor; and

Whereas, Carl Zeiss SMT GmbH, having a place of business at Rudolf-Eber-Strasse 2, 73447 Oberkochen, Germany, hereinafter called assignee, desires to acquire my entire right, title, and interest in the application and the invention disclosed therein, and to any United States patents to be obtained therefor;

Therefore, for valuable consideration, receipt whereof is hereby acknowledged, I/We, the above named assignor, hereby state as follows:

To the extent that my entire right, title and interest in the application and the invention disclosed therein have not transferred to the assignee by virtue of applicable law and/or contract, I/we hereby sell, assign and transfer to the above named assignee, its successors and assigns, my entire/remaining, present/expectant right, title and interest in the application and the invention disclosed therein for the United States of America, including all divisionals and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, 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 will execute without further consideration all papers deemed necessary by the assignee in connection with the United States when called upon to do so by the assignee.

I/We hereby authorize and request the attorneys of Fish & Richardson, One Marina Park Drive Boston, Massachusetts 02210, United States to insert here in parentheses

PATENT REEL: 063041 FRAME: 0427 (Application number 17/882948 filed 08.08.2022 and Confirmation number:) the application number and filing date of said application when known.

	shao di dei	140x 2 2022
	Signature	Date
	Shao-Chi Wei	
	Typed or printed name	
Witnessed by:		
	Signature	Date
	Typed or printed name	
Witnessed by:		
	Signature	Date
	Typed or printed name	

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

PATENT REEL: 063041 FRAME: 0428

RECORDED: 03/21/2023