505444731 04/25/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
VLADIMIR DMITRIEV	02/14/2019

RECEIVING PARTY DATA

Name:	CARL ZEISS SMS LTD.
Street Address:	HADOLEV 3
Internal Address:	BAR LEV INDUSTRIAL PARK
City:	D.N. MISGAV
State/Country:	ISRAEL
Postal Code:	2015600

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	16269771	

CORRESPONDENCE DATA

Fax Number: (877)769-7945

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.

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

Address Line 1: FISH & RICHARDSON P.C.

Address Line 2: P.O.BOX 1022

Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022

ATTORNEY DOCKET NUMBER:	24609-0077001	
NAME OF SUBMITTER:	CHERYL A. FORREST	
SIGNATURE:	/Cheryl A. Forrest/	
DATE SIGNED:	04/25/2019	

Total Attachments: 2

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> PATENT **REEL: 048989 FRAME: 0086** 505444731

Assignment

Whereas, I/We, DMITRIEV, Viadimir of HaOren st. 23, 2010400 Zurit, Israel hereinafter called assignor, have invented certain improvements in

Optical system and method for correcting mask defects using the system and executed an application for Letters Patent of the United States therefor; and

Whereas, Carl Zeiss SMS Ltd., having a place of business at HaDolev 3 (PO Box 32)

Bar Lev Industrial Park, 2015600 D.N. Misgav, Israel, hereinafter called assignee, desires to acquire the 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, the 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 and foreign applications when called upon to do so by the assignee.

I/We hereby authorize and request the attorneys of Fish & Richardson Attn.: Rex I. Huang One Marina Park Drive Boston, Massachusetts 02210 U S A to insert here in parentheses (Application number 16/269771, filed August 8, 2017 and Confirmation number ______) the application number and filing date of said application when known.

PATENT REEL: 048989 FRAME: 0087

	3 7	14.02.2019
	Signature	Date
	DMITRIEV, Vladimir	
	Typed or printed name	
Witnessed by:		
	<u> </u>	<u> </u>
	Signature Lital Ben Poyart	Date
	Typed or printed name	
Witnessed by:	٠	
		14. 2. 19
	Signature	Date
	Rea Isral Caker	
	Typed or printed name	an discour

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

PATENT REEL: 048989 FRAME: 0088

RECORDED: 04/25/2019