02/16/2017 504231148

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Heiko Feldmann	01/07/2008
Daniel Kraehmer	01/09/2008
Jean-Claude Perrin	01/02/2008
Julian Kaller	01/07/2008
Aurelian Dodoc	12/21/2007
Vladimir Kamenov	01/10/2008
Olaf Conradi	01/07/2008
Toralf Gruner	01/09/2008
Thomas Okon	01/14/2008
Alexander Epple	01/10/2008

RECEIVING PARTY DATA

Name:	CARL ZEISS SMT AG
Street Address:	RUDOLF-EBER-STRASSE 2
City:	OBERKOCHEN
State/Country:	GERMANY
Postal Code:	73447

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15414005

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: (650) 839-5070 Email: apsi@fr.com KA-LO YEH Correspondent Name:

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23523-0003004 ATTORNEY DOCKET NUMBER:

REEL: 041275 FRAME: 0958 504231148

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NAME OF SUBMITTER:	ALISSA TIZZANO
SIGNATURE:	/Alissa/
DATE SIGNED:	02/16/2017
Total Attachments: 10	
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ASSIGNMENT

For valuable consideration, we, <u>HEIKO FELDMANN</u> of <u>Dorfmuehle 4</u>, 73432 Aalen, <u>Germany</u>, <u>DANIEL KRAEHMER</u> of <u>Birnenweg 2</u>, 73457 Essingen, <u>Germany</u>, <u>JEAN-CLAUDE PERRIN</u> of <u>Le Buit-Mellecey</u>, <u>FR-71640 Givry</u>, <u>France</u>, <u>JULIAN KALLER</u> of <u>Steinheimer Weg 10</u>, 89551 Koenigsbronn, <u>Germany</u>, <u>AURELIAN DODOC</u> of <u>Schillerstrasse 15</u>, 89522 Heidenheim, <u>Germany</u>, <u>VLADIMIR KAMENOV</u> of <u>Staufenstrasse 3</u>, 73457 Essingen, <u>Germany</u>, <u>OLAF CONRADI</u> of <u>Weidenstrasse 32</u>, 73463 Westhausen/Westerhofen, <u>Germany</u>, <u>TORALF GRUNER</u> of <u>Opalstrasse 22</u>, 73433 Aalen-Hofen, <u>Germany</u>, <u>THOMAS OKON</u> of <u>Egerlandstr. 45</u>, 73431 Aalen, <u>Germany</u>, <u>ALEXANDER EPPLE</u> of <u>Langertstrasse 38</u>, 73431 Aalen, <u>Germany</u>, hereby assign to: <u>Carl Zeiss SMT AG</u>, a corporation of <u>Germany</u> having a place of business at:

Rudolf-Eber-Strasse 2 73447 Oberkochen Germany; and

its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled MICROLITHOGRAPHY

PROJECTION OBJECTIVE, filed 11/30/2007, and assigned U.S. Serial

Number 11/916,162, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation

Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further

Date: 7 - Jan - 2008 Witnessed by: Name: Sabiue Sunge Date: Jau 7th, 2008 Date: 14 7th 2008 Date: 09 January 2008 DANIEL KRAEHMER Witnessed by: Name: Sabiuc Summer JEAN-CLAUDE PERRIN Witnessed by: Date: _____ Name: Date: Name: _____

applications, assignments, Preliminary Statements and other lawful documents as the Assignee

may reasonably request to effectuate fully this assignment.

Date: <u>07 - Jan 2008</u>	Oluf (_ (.
V	OLAF C ONRADI
Witnessed by:	
Name: Sabiu Jung	Date: <u>Jau</u> 7 ^{tu} , 2008
Name: Sabiuc Shuge Name: Would John	Date: 10, 7th. 2008
Date: Journy 9 Al, 2008	Torall Gunes
V	TORALF GRUNER
Witnessed by:	
Name: Sabiue Line	Date: January 9th, 2008
Name: Will Coffe	Date: 104. 9th., 2008
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	Mesures W
Date: January 14th. 2008	THOMAS OKON
Witnessed by:	
Name: Llouil Josha	Date: Jan 14th 2000
Name: Wrishica Goxtug	Date: 720 14 th 2008

Date: Jau 7th, 2008	- Z Will
-	JULIAN KALLER
Witnessed by:	
Name: Sabiue Sump	Date: Jan 7th 2008
Name: Sabiue James Name: Would Jethic	Date: Jan 7th 2008 Date: Jan 7th 2008
•	
Date: 21 bec 2007	AURELIAN DODOC
Witnessed by:	
Name: Sabiuc Sum	Date: Dec 21st, 201
Name: Sabiuc Sum Name: Would Fifth	Date: $D \in \mathbb{Z}^{st}$, 207
•	
Date: 10-JAN - 20008	VLADIMIR KAMENOV
Witnessed by:	
Name: Would Jeth	Date: Jan 10th 2008
Name: Aristica Gentury	Date: Jan 10th 2008

Date: 10-JAN-2008

Witnessed by:

Name: Sabiue

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ASSIGNMENT

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applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Date:	
	HEIKO FELDMANN
Witnessed by:	
Name:	Date:
Name:	Date:
Date:	DANIEL KRAEHMER
Witnessed by:	
Name:	Date:
Name:	Date:
Date: 62- January 2018	JEAN-CLAUDE PERRIN
Witnessed by:	
Name: Marishia Gentury	Date: Jan. 2nd, 2008
Name: Mrshua Genting	Date: Jan. 2nd, 2008

Date:	
	OLAF CONRADI
Witnessed by:	
Name:	Date:
Name:	Date:
Date:	
	TORALF GRUNER
Witnessed by:	
Name:	Date:
Name:	Date:
Date:	
	THOMAS OKON
Witnessed by:	
Name:	Date:
Name:	Date:

Date:		
	JULIAN KALLER	
Witnessed by:		
Name:	Date:	
Name:	Date:	
Date:	AUBELIAN DODOC	
	AURELIAN DODOC	
Witnessed by:		
Name:	Date:	
Name:	Date:	
Date:	MADIMID KAMENON	
	VLADIMIR KAMENOV	
Witnessed by:		
Name:	Date:	
Nama	Date	

Date:	ALEXANDER EPPLE
Witnessed by:	
Name:	Date:
Name:	Date:

PATENT REEL: 041275 FRAME: 0969

RECORDED: 02/16/2017