502102871 10/22/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Markus Deguenther	10/12/2012
Damian Fiolka	10/15/2012
Gerhard-Wilhelm Ziegler	10/17/2012

RECEIVING PARTY DATA

Name:	Carl Zeiss SMT GmbH
Street Address:	Rudolf-Eber-Strasse 2
City:	Oberkochen
State/Country:	GERMANY
Postal Code:	73447

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13625072

CORRESPONDENCE DATA

Fax Number: 8777697945

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: (617) 542-5070
Email: apsi@fr.com
Correspondent Name: Sean P. Daley

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Address Line 2: P.O.BOX 1022

Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022

ATTORNEY DOCKET NUMBER:	18239-0094001
NAME OF SUBMITTER:	Alissa Tizzano

Total Attachments: 4

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> PATENT REEL: 029169 FRAME: 0168

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ASSIGNMENT

For valuable consideration, we, <u>MARKUS DEGUENTHER</u> of <u>Langackerweg 20, 73432</u>

<u>Aalen, Germany, DAMIAN FIOLKA</u> of <u>Einsteinstrasse 25, 73447 Oberkochen, Germany,</u>

<u>GERHARD-WILHELM ZIEGLER</u> of <u>Hohenloher Strasse 66, DE-73432 Aalen, Germany,</u>

hereby assign to:

Carl Zeiss SMT GmbH, a corporation of Germany 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 ILLUMINATION SYSTEM OF A MICROLITHOGRAPHIC PROJECTION EXPOSURE APPARATUS, filed 9/24/2012, and assigned U.S. Serial Number 13/625,072, 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 applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Assignment Page 1 of 2

Date: 10/12/2012	MARKUS DEGUENTHER
Witnessed by:	
Name: All Au	Date: <u>October M. 2012</u>
Name:	Date:
Date:	
Witnessed by:	DAMIAN FIOLKA
Name:	Date:
Name:	Date:
Date:	GERHARD-WILHELM ZIEGLER
Witnessed by:	
Name:	Date:
Name:	Date:

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Date:	
	MARKUS DEGUENTHER
Witnessed by:	
Name:	Date:
Name:	Date:
Date: Oct. 15,2012	D. Fiolka DAMIAN FIOLKA
Witnessed by:	
Name:	Date:
Name:	Date:
Date:	GERHARD-WILHELM ZIEGLER
Witnessed by:	GERHARD-WILHELM ZIEGLER
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•	MARKUS DEGUENTHER
Witnessed by:	
Name:	Date:
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Date:	DAMIAN FIOLKA
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Date: Oct. 17, 2012	GERHARD-WILHELM ZIEGLER
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