11/17/2015 503573027

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Markus Hauf	04/14/2010

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:	14926471

CORRESPONDENCE DATA

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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: 6175425070 Email: apsi@fr.com **Correspondent Name:** SEAN P. DALEY

Address Line 1: FISH & RICHARDSON P.C.

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ATTORNEY DOCKET NUMBER:	21070-0039006	
NAME OF SUBMITTER:	ALISSA TIZZANO	
SIGNATURE:	/Alissa/	
DATE SIGNED:	11/17/2015	

Total Attachments: 1

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PATENT REEL: 037061 FRAME: 0714 503573027

Attorney's Docket No.: 21070-0039001 / P081934US

<u>ASSIGNMENT</u>

For valuable consideration, I, <u>MARKUS HAUF</u> of <u>Hafenberg 4, 89075 Ulm, 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 me, entitled DEVICE FOR CONTROLLING TEMPERATURE OF AN OPTICAL ELEMENT, filed 4/6/2010, and assigned U.S. Serial Number 12/755,193, 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 I authorize the Assignee to apply in all countries in my 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 I agree for me and my 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

Date: April, 1414, 1010	1 dela Jest
, , ,	MARKUS HAUF
Witnessed by:	
Oin D-	D 1 4 201
Name: Edillo My	Date: <u>April 14 2010</u>
Name:	Date:
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RECORDED: 11/17/2015

PATENT REEL: 037061 FRAME: 0715