502667692 02/05/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

502667692

EPAS ID: PAT2714299

NATURE OF CONVEYANCE:	NEW ASSIC	NEW ASSIGNMENT			
	ASSIGNME	NT			
CONVEYING PARTY DATA					
Name		Executi	on Date		
Rolf Freimann		02/04/2014			
Boris Bittner		02/04/2014			
RECEIVING PARTY DATA					
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Application Number.					
Application Number:	14086393	93			
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Address Line 1: FIS Address Line 2: P.C Address Line 4: MI ATTORNEY DOCKET NUMBER:	36066-0005	001			

PATENT REEL: 032146 FRAME: 0558

ASSIGNMENT

For valuable consideration, we, ROLF FREIMANN of Weisse Steige 20, 73431 Aalen, Germany, BORIS BITTNER of Rheingoldstrasse 6, 91154 Roth, Germany, 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 PROJECTION ARRANGEMENT, filed 11/21/2013, and assigned U.S. Serial Number 14/086,393, 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

PATENT

REEL: 032146 FRAME: 0559

Attorney's Docket No.: 36066-0005001 / CZS11001PWOUS

Date: Flowary 4th 2014	ROLF FREIMANN
Witnessed by:	
Name: Manile Jestic	Date: February 4, 2014
Name:	Date:
Date: <u>FC64</u> 2014	Pour Atan BORIS BITTNER
Witnessed by:	
Name: Christica gud	G Date: February 4, 2019
Name:	Date:

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RECORDED: 02/05/2014

Assignment Page 2 of 2

PATENT REEL: 032146 FRAME: 0560