

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2700808

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT																		
NATURE OF CONVEYANCE:	Corrective Assignment to correct the NAME OF ASSIGNOR SHAFER, DAVID R. TO SHAFER, DAVID AND CORRECT ASSIGNOR BUENAU, RUDOLF M. TO VON BUENAU, RUDOLF previously recorded on Reel 032016 Frame 0546. Assignor(s) hereby confirms the CORRECT NAMES OF THE INVENTORS/ASSIGNORS IS DAVID SHAFER AND RUDOLF VON BUENAU.																		
CONVEYING PARTY DATA																			
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>DAVID SHAFER</td> <td>04/16/2009</td> </tr> <tr> <td>WILHELM ULRICH</td> <td>04/20/2009</td> </tr> <tr> <td>AURELIAN DODOC</td> <td>05/05/2009</td> </tr> <tr> <td>RUDOLF VON BUENAU</td> <td>05/08/2009</td> </tr> <tr> <td>HANS-JUERGEN MANN</td> <td>04/15/2009</td> </tr> <tr> <td>ALEXANDER EPPEL</td> <td>04/14/2009</td> </tr> <tr> <td>SUSANNE BEDER</td> <td>05/14/2009</td> </tr> <tr> <td>WOLFGANG SINGER</td> <td>04/21/2009</td> </tr> </tbody> </table>		Name	Execution Date	DAVID SHAFER	04/16/2009	WILHELM ULRICH	04/20/2009	AURELIAN DODOC	05/05/2009	RUDOLF VON BUENAU	05/08/2009	HANS-JUERGEN MANN	04/15/2009	ALEXANDER EPPEL	04/14/2009	SUSANNE BEDER	05/14/2009	WOLFGANG SINGER	04/21/2009
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CORRESPONDENCE DATA																			
Fax Number:	(877)769-7945																		
Phone:	212-765-5070																		
Email:	APSI@fr.com																		
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>																			
Correspondent Name:	CHRIS C. BOWLEY																		
Address Line 1:	FISH & RICHARDSON P.C.																		

Address Line 2: P.O.BOX 1022
Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022

ATTORNEY DOCKET NUMBER: 24548-0019008

NAME OF SUBMITTER: CHERYL A. FORREST

Signature: /Cheryl A. Forrest/

Date: 01/28/2014

Total Attachments: 8

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ASSIGNMENT

For valuable consideration, we, DAVID SHAFER of 56 Drake Lane, Fairfield, CT 06420, WILHELM ULRICH of Lederackerring 44, 73434 Aalen, Germany, AURELIAN DODOC of Schillerstrasse 15, 89522 Heidenheim, Germany, RUDOLF VON BUENAU of Iltisweg 1, 07749 Jena, Germany, HANS-JUERGEN MANN of Katzenbachstrasse 49, 73447 Oberkochen, Germany, ALEXANDER EPPL of Langertstrasse 38, 73431 Aalen, Germany, SUSANNE BEDER of Brandenburger Strasse 59, 73431 Aalen, Germany, WOLFGANG SINGER of Egerlandstrasse 45, 73431 Aalen, Germany, hereby assign to: Carl Zeiss SMT AG, 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 CATADIOPTRIC PROJECTION OBJECTIVE, filed 3/23/2009, and assigned U.S. Serial Number 12/409,394, 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 applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Date: April 16, 2009

David Shafer
DAVID SHAFER

Witnessed by:

Name: Kerry Eastman

Date: April 16, 2009

Name: Dei Root

Date: April 16, 2009

Date: _____

WILHELM ULRICH

Witnessed by:

Name: _____

Date: _____

Name: _____

Date: _____

Date: _____

AURELIAN DODOC

Witnessed by:

Name: _____

Date: _____

Name: _____

Date: _____

Date: _____

DAVID SHAFER

Witnessed by:

Name: _____

Date: _____

Name: _____

Date: _____

Date: April 20, 2009

Wilhelm Ulrich
WILHELM ULRICH

Witnessed by:

Name: Christina Ginter

Date: April 20, 2009

Name: _____

Date: _____

Date: May, 5th, 2009

Aurelian DODOC
AURELIAN DODOC

Witnessed by:

Name: Edith Lopez

Date: May 5, 2009

Name: _____

Date: _____

Date: May 8, 2009

Rudolf von Buena
RUDOLF VON BUENAU

Witnessed by:

Name: _____

Date: _____

Name: _____

Date: _____

Date: _____

HANS-JUERGEN MANN

Witnessed by:

Name: _____

Date: _____

Name: _____

Date: _____

Date: _____

ALEXANDER EPPLE

Witnessed by:

Name: _____

Date: _____

Name: _____

Date: _____

Date: _____

RUDOLF VON BUENAU

Witnessed by:

Name: _____

Date: _____

Name: _____

Date: _____

Date: April 15, 2009

G. J. Mann
HANS-JUERGEN MANN

Witnessed by:

Name: Elisabeth

Date: April 11, 2009

Name: _____

Date: _____

Date: APR 14, 2009

Alexander Epple
ALEXANDER EPPLE

Witnessed by:

Name: Elisabeth

Date: April 14, 2009

Name: _____

Date: _____

Date: May 14th 2009

Susanne Beder
SUSANNE BEDER

Witnessed by:

Name: _____

Date: _____

Name: _____

Date: _____

Date: _____

WOLFGANG SINGER

Witnessed by:

Name: _____

Date: _____

Name: _____

Date: _____

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Date: _____

SUSANNE BEDER

Witnessed by:

Name: _____

Date: _____

Name: _____

Date: _____

Date: 21 APRIL 2009

W. Singer
WOLFGANG SINGER

Witnessed by:

Name: Priscilla Jenkins

Date: April 21, 2009

Name: _____

Date: _____

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