502933200 08/13/2014

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:			NEW ASSIGNMENT				
NATURE OF CONVEYANCE:		ASSIGNMENT					
CONVEYING PARTY DA	TA						
			Name			Execution Date	
MARKUS MENGEL						01/17/2007	
ULRICH WEGMANN						12/18/2007	
ALBRECHT EHRMANN						01/24/2007	
WOLFGANG EMER						01/24/2007	
REINER CLEMENT						01/17/2007	
LUDO MATHIJSSEN						01/28/2007	
RECEIVING PARTY DAT							
		7FISS	S SMT AG				
	RUDOLF-EBER-STRASSE 2						
	OBERKOCHEN						
,	GERMANY						
-	73447						
PROPERTY NUMBERS Total: 1 Property Type			Number				
		1445					
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NAME OF SUBMITTER:			CHERYL A. FORREST				
SIGNATURE:			/Cheryl A. Forrest/				
DATE SIGNED:		08/13/2014					
otal Attachments: 2							
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REEL: 033525 FRAME: 0858

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Assignment

Whereas, We, Markus MENGEL; Ulrich WEGMANN; Albrecht EHRMANN; Wolfgang EMER; Reiner CLEMENT; and Ludo MATHIJSSEN of Heidenheim, GERMANY; Koenigsbronn, GERMANY; Keenigsbronn, GERMANY; Alen, GERMANY; Amstetten, GERMANY; and Schwaebisch Gmuend, GERMANY, respectively, hereinafter called assignors, have invented certain improvements in

SYSTEM FOR MEASURING THE IMAGE QUALITY

OF AN OPTICAL IMAGING SYSTEM

and executed an application for Letters Patent of the United States of America therefor; and

Whereas, CARL ZEISS SMT AG, of Rudolf-Eber-Strasse 2, 73447 Oberkochen GERMANY (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

We, the above named assignors, hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. § 119, and we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

We hereby authorize and request our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3213 to insert here in parentheses (Application number <u>11/628,061</u>, filed <u>November 30, 2006</u>) the application number and filing date of said application when known.

Date:	Markus Merel 01/17/07
Date:	Mine Markus MENGEL SUlrich WEGMANN 18. Der 197
Date:	01/24/07 Albrecht EHRMANN of C
Date:	01/24/07 WILLAND
Datc:	01/17/07 R. Cleleeut
Date:	s/Ludo MATHIJSSEN

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)

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PATENT REEL: 033525 FRAME: 0860

Docket No. Q81972 For Non-U.S. Clients

Assignment

Whereas, We, Markus MENGEL; Ulrich WEGMANN; Albrecht EHRMANN; Wolfgang EMER; Reiner CLEMENT; and Ludo MATHIJSSEN of Heidenheim, GERMANY; Koenigsbronn, GERMANY; Koenigsbronn, GERMANY; Aalen, GERMANY; Amstetten, GERMANY; and Schwaebisch Gmuend, GERMANY, respectively, hereinafter called assignors, have invented certain improvements in

SYSTEM FOR MEASURING THE IMAGE QUALITY

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and executed an application for Letters Patent of the United States of America therefor; and

Whereas, CARL ZEISS SMT AG, of Rudolf-Eber-Strasse 2, 73447 Oberkochen GERMANY (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

We, the above named assignors, hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priority under 35 U.S.C. § 119, and we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee.

We hereby authorize and request our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3213 to insert here in parentheses (Application number ______1/628,061 ______, filed November 30, 2006 ____) the application number and filing date of said application when known.

Date:	
	s/Markus MENGEL
Date:	
	s/Ulrich WEGMANN
Date:	
	s/Albrecht EHRMANN
Date:	
	s/Wolfgang EMER
Date:	
	s/Reiner CLEMENT
Date:	Jap. 28, 2007
	s/Ludo MATHIJSSEN

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)

PATENT REEL: 033525 FRAME: 0861

RECORDED: 08/13/2014