3.5.07	Mail S DIREC P.O. B Alexar	RECORDATIC PA Stop Assumment Recordation Services CTOR OF THE US PATENT AND TRADE Box 1450 ndria, VA 22313-1450 e record the attached original documents	or copies thereof.			
	 Name of conveying party(ies): Wolfgang SINGER, Johannes WANGLER, Markus DEGUNTHER, Birgit KUERZ, and Christoph MENKE 					
	2.	Name and address of receiving party(ie	s): CARL ZEISS SMT AG Carl-Zeiss-Strasse 22 73447 Oberkochen, Germany			
	3.	Nature of conveyance: XXXX Assignment Security Agreement Other: Execution Date: Jan. 30, 2006; Feb. 6, Jan. 26, 2006 respecti				
	 Application number(s) or application date(s): If this document is being filed together with a new application, the execution date of the application is: 					
	5. mailed	d: Charles N	B. Application/Issue Date November 10, 2006 respondence concerning this document should be			
	Ohlandt, Greeley, Ruggiero & Perle, L.L.P. One Landmark Square, 10 th Floor Stamford, Connecticut 06901-2682 U.S.A. 6. Total No. of applications and patents involved: _1 7. Total Fee (37 C.F.R. 3.41(h)) \$40.00/assignment. XXXXX CUSTOMER NO.: 27623 XXXXXX Enclosed					
	Authorized to be charged to deposit account. The Commissioner is hereby authorized to charge any additional fees under 37 C.F.R. 3.41 that may be required with this communication or credit any overpayment, to Deposit Account No. 01-0467. A duplicate copy of this Form is enclosed.					
/0 8/20 07 FC:8081	Charles Name o	best of my knowledge and belief, the foregoing e copy of the original document. 1 00000018 11594150 40.00 00 S N.J. Rugdiero of Person Signing umber of pages including cover sheet, attachn	g information is true and correct and any attached copy			

PATENT

REEL: 019008 FRAME: 0231

ASSIGNMENT

FOR valuable and legally sufficient considerations, receipt of which is hereby acknowledged, we, Wolfgang SINGER, a citizen of Germany, and a resident of Egerlandstrasse 45, 73431 Aalen, Germany, Johannes WANGLER, a citizen of Germany, and a resident of An der Rente 15, 89551 Koenigsbronn, Germany, Markus DEGUENTHER, a citizen of Germany, and a resident of Liebigstrasse 2, 73432 Aalen, Germany, Birgit KUERZ, a citizen of Germany, and a resident of Zeppelinstrasse 69, 73430 Aalen, Germany and Christoph MENKE, a citizen of Germany, and a resident of Henschelweg 3, 73447 Aalen, Germany have co-invented certain new and useful improvements in

OPTICAL DEVICE WITH RASTER ELEMENTS, AND ILLUMINATION SYSTEM WITH THE OPTICAL DEVICE

hereby assign to CARL ZEISS SMT AG, a German corporation having its principal office at Carl-Zeiss-Strasse 22, 73447 Oberkochen, Germany (hereinafter referred to as "Assignee"), the entire right, title and interest in and to such invention, together with the patent rights and rights of protection to the same throughout the world, including any patent rights which may result from the application for United States Letters Patent which was filed in the United States Patent and Trademark Office on November 10, 2006 and assigned U.S. Patent Application Serial No. 11/598,180, and any continuation, divisions, continuation-in-part applications, inventor's certificates and extensions thereof, preparatory to obtaining Letters Patent of the United States therefor; said invention, application and Letters Patent to be held and enjoyed by said Assignee for its own use and behoof and for the use and behoof of its successors and assigns, to the full end of the term for which said Letters Patent or other rights of protection may be granted as entirely as the same would have been held and enjoyed by us had the assignment not been made.

AND WE COVENANT and AGREE and WARRANT that we have full and unencumbered title to the invention hereby assigned, and we further covenant and

REEL: 019008 FRAME: 0232

agree that we have the right to grant such rights to said invention and application and Letters Patent and that we will, at any time upon request without cost to us or further compensation, execute and deliver any and all papers or instruments that, in the opinion of the Assignee, may be necessary or desirable to secure said Assignee the full enjoyment of the rights and properties herein conveyed or intended to be conveyed by this instrument.

IN WITNESS WHEREFORE, we have hereunto set our hands and seal:

Date: 0 , 2007

By: Wolfgang/SINGER

Date: JAN - 30 - , 2007

Witness Signature

LUMPP SABINE

Witness Printed Name

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Oakheeiseise GMT AG

SMT-G

Rudolf-Eber-Str. 2

D-73447 Oberkochen

Page 2 of 4

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Date:	Fis. G	, 2007	By: Johannes WANGLER
Date:	FEB-6-	, 2007	Witness Signature
		Witness Prin	
	•	Witness A	ddress
	·	SMT-G Rudolf-Eber	Str. 2 Oberkochen
Date:	FED -}-	, 2007	By: Markus DEGUENTHER
Date:	763-7 -	, 2007	Thess Signature
	-	WWFP SAT Witness Print	BINE ted Name
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	-	Page 3	of 4

PATENT REEL: 019008 FRAME: 0234

Date:		, 2007	By: Birgit KUERZ
Date:		, 2007	Witness Signature
		Witness Pri	nted Name
			Address
Date:	26. Januar	, 2007	By: Christoph MENKE
Date:		, 2007	Witness Signature
		Witness Pri Witness	
		Page 4	4 of 4

PATENT REEL: 019008 FRAME: 0235

Date:	FEB-M	, 2007	By: Birgit KUERZ	
Date:		, 2007	Witness Signature	-,
		Witness Pri	rinted Name	
		Witness	Address	
Date:		, 2007	By: Christoph MENKE	
Date:		, 2007	Witness Signature	
			rinted Name	
		Page 4	4 of 4	

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RECORDED: 03/05/2007