

## PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT																
NATURE OF CONVEYANCE:	ASSIGNMENT																
CONVEYING PARTY DATA																	
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Wolfgang Singer</td><td>10/07/2003</td></tr><tr><td>Wilhelm Egle</td><td>09/30/2003</td></tr><tr><td>Markus Weiss</td><td>09/26/2003</td></tr><tr><td>Joachim Hainz</td><td>09/24/2003</td></tr><tr><td>Jochen Wietzorrek</td><td>09/25/2003</td></tr><tr><td>Frank Melzer</td><td>09/25/2003</td></tr><tr><td>Johannes Wangler</td><td>10/06/2003</td></tr></tbody></table>	Name	Execution Date	Wolfgang Singer	10/07/2003	Wilhelm Egle	09/30/2003	Markus Weiss	09/26/2003	Joachim Hainz	09/24/2003	Jochen Wietzorrek	09/25/2003	Frank Melzer	09/25/2003	Johannes Wangler	10/06/2003	
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RECEIVING PARTY DATA																	
Name:	Carl-Zeiss SMT AG																
Street Address:	Carl-Zeiss-Strasse 22																
City:	73447 OBERKOCHEN																
State/Country:	GERMANY																
PROPERTY NUMBERS Total: 1																	
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Patent Number:</td><td>7244954</td></tr></tbody></table>	Property Type	Number	Patent Number:	7244954													
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Patent Number:	7244954																
CORRESPONDENCE DATA																	
Fax Number:	(203)327-6401																
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																	
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ATTORNEY DOCKET NUMBER:	637.0031USX1																

CH \$40.00 7244954

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PATENT  
REEL: 020866 FRAME: 0609

NAME OF SUBMITTER:

Charles N.J. Ruggiero

Total Attachments: 4

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**ASSIGNMENT**

FOR valuable and legally sufficient considerations, receipt of which is hereby acknowledged, I, **Wolfgang Singer**, a citizen of Germany, and a resident of Egerlandstraße 45, 73431 Aalen, Germany; **Wilhelm Egle**, a citizen of Germany, and a resident of Sauerbruchstr. 15, 73432 Aalen, Germany; **Markus Weiss**, a citizen of Germany, and a resident of Beethovenstrasse 21, 73430 Aalen, Germany; **Joachim Hainz**, a citizen of Germany, and a resident of Zeppelinstr. 49, 73430 Aalen, Germany; **Jochen Wietzorrek**, a citizen of Germany, and a resident of Silcherstr. 61, 73430 Aalen, Germany; **Frank Melzer**, a citizen of Germany, and a resident of Nördlinger Str. 27, 73469 Utzmemmingen, Germany; and **Johannes Wangler**, a citizen of Germany, and a resident of An der Reuthe 15, 89551 Königsbronn, Germany; having co-invented certain new and useful improvements in

**COLLECTOR HAVING UNUSED REGION FOR ILLUMINATION SYSTEMS USING  
A WAVELENGTH  $\leq 193$  NM**

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 **July 23, 2003**, and assigned **U.S. Application Serial No. 10/625,254**, 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 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 said Assignee, may be necessary or desirable to secure in 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: 7. Oktober, 2003

Wolfgang Singer  
By: Wolfgang Singer

Jrmgard Bach  
Witness Signature and Date

Jrmgard Bach  
Witness Printed Name

Carl Zeiss, Oberkochen  
Witness Address

Date: September 30, 2003

Wilhelm Egle  
By: Wilhelm Egle

Garmen Helmle  
Witness Signature and Date

Garmen Helmle  
Witness Printed Name

Carl Zeiss, Oberkochen  
Witness Address

Date: Sep. 26., 2003

Markus Weiss  
By: Markus Weiss

Garmen Helmle  
Witness Signature and Date

Garmen Helmle  
Witness Printed Name

GZO, Oberkochen  
Witness Address

Date: 09/24, 2003

J. Hainz  
By: Joachim Hainz

Jrmgard Bach  
Witness Signature and Date

Jrmgard Bach  
Witness Printed Name

CEO, Oberkochen  
Witness Address

Date: Sep. 25, 2003

Jochen Wietzorrek  
By: Jochen Wietzorrek

Carmen Helmle  
Witness Signature and Date

Carmen Helmle  
Witness Printed Name

Carl Zeiss, Oberkochen  
Witness Address

Date: Sep. 25, 2003

Frank Melzer  
By: Frank Melzer

Elfriede Angstenberger  
Witness Signature and Date

Elfriede Angstenberger  
Witness Printed Name

Carl Zeiss Oberkochen  
Witness Address

Date: Oct. 6., 2003

By: Johannes Wangler  
Johannes Wangler

Jrmgard Bach  
Witness Signature and Date

Jrmgard Bach  
Witness Printed Name

Carl Zeiss Oberkochen  
Witness Address