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Please record the attached original documents or copies thereof.

1. Name of conveying party(ies): *10-3-03*

JÖRGE SCHULTZ

2. Name and address of receiving party(ies):

**CARL ZEISS SMT AG
CARL-ZEISS-STRASSE 22,
73447 OBERKOCHEN, GERMANY**

3. Nature of conveyance:

XXXX

Assignment

_____ Merger

_____ Security Agreement

_____ Change of Name

_____ Other: _____

Execution Date: **October 1, 2003**

4. 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: _____

A. Application/Patent No.

10/060,282

B. Application/Issue Date

January 30, 2002

5. Name and address of party to whom correspondence concerning this document should be mailed:

Charles N.J. Ruggiero, Esq.
Ohlandt, Greeley, Ruggiero & Perle, L.L.P.
One Landmark Square, 10th 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

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.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Charles N.J. Ruggiero

Name of Person Signing

Total number of pages including cover sheet, attachments and document: 3.

Charles N.J. Ruggiero
Signature

10/1/03
Date

10/06/2003 LMUELLER 00000121 10060282

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FINANCE SECTION

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ASSIGNMENT

FOR valuable and legally sufficient considerations, receipt of which is hereby acknowledged, I, **Jörg Schultz**, a citizen of Germany, and a resident of Bohlstrasse 29, 73430 Aalen, Germany, has invented certain new and useful improvements in

**CONTROL OF A DISTRIBUTION OF ILLUMINATION IN AN EXIT PUPIL OF AN EUV
ILLUMINATION SYSTEM**

hereby assigns 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 **January 30, 2002** and assigned Application Serial No. **10/060,202**, 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 Assignees for their own use and behoof and for the use and behoof of their 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 me had the assignment not been made.

AND I COVENANT and AGREE and WARRANT that I have full and unencumbered title to the invention hereby assigned, and I further covenant and agree that I have the right to grant such rights to said invention and application and Letters Patent and that I 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

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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, I have hereunto set my hand and seal:

Date: October 1, 2003

L. Fleischer
Witness Signature

Jörg Schultz
By: Jörg Schultz

Lilian Fleischer
Witness (Print name)

Carl-Zeiss-Strasse 22
Witness (address)

DE-73447 Oberkochen