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TO THE HONORABLE COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

Please record the attached original documents or copies thereof.

- Name of conveying party(ies):
**JÖRGE SCHULTZ, JOHANNES WANGLER, KARL-HEINZ SCHUSTER,
UDO DINGER, WOLFGANG SINGER, and MARTIN ANTONI**
- Name and address of receiving party(ies):
**CARL-ZEISS-STIFTUNG TRADING AS CARL ZEISS
89518 HEIDENHEIM
GERMANY**

- Nature of conveyance:
 Assignment
 Security Agreement
 Other: _____
 Merger
 Change of Name

Execution Date: **November 6, 2000, November 24, 2000, November 29, 2000 and
November 13, 2000, respectively**

- If this document is being filed together with a new application, the execution date of the application is:

A. <u>U.S. Application No.</u>	B. <u>Application Date</u>
<u>09/679,718</u>	September 29, 2000

- 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, 9th Floor
 Stamford, Connecticut 06901-2682 U.S.A.

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- Total No. of applications and patents involved: 1.
- Total Fee (37 C.F.R. 3.41(h)) \$40.00/assignment.
 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: 5

Charles N.J. Ruggiero 02/12/01
 Signature Date

ASSIGNMENT

FOR valuable and legally sufficient considerations, receipt of which is hereby acknowledged, we, **JÖRG SCHULTZ**, a citizen of Germany, and a resident of Bohlstr. 29, 73430 Aalen, Germany; **JOHANNES WANGLER**, a citizen of Germany, and a resident of an Der Reute 15, Königsbronn, 89551 Germany; **KARL-HEINZ SCHUSTER**, a citizen of Germany, and a resident of Rechbergstrabe 24, Königsbronn, 89551 Germany; **UDO DINGER**, a citizen of Germany, and a resident of Heinz-Kuppenbender-Strabe 4, 73447 Oberkochen, Germany; **WOLFGANG SINGER**, a citizen of Germany, and a resident of Egerlandstrabe 45, 73431 Aalen, Germany and **MARTIN ANTONI**, a citizen of Germany and a resident Brunnenstrabe 19, 73430 Aalen, Germany have co-invented certain new and useful improvements in

ILLUMINATION SYSTEM PARTICULARLY FOR MICROLITHOGRAPHY

hereby assign, to **CARL-ZEISS-STIFTUNG TRADING AS CARL ZEISS, 89518 HEIDENHEIM, 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 September 29, 2000 as application Serial No. 09/679,718, 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 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: November 6, 2000

Jörg Schultz
By: JÖRG SCHULTZ

Jrmgard Bach
Witness #1 Signature

Andrea Henkel
Witness #2 Signature

Jrmgard Bach
Witness #1 Printed Name

Andrea Henkel
Witness #2 Printed Name

Date: 24. 11. 2000, 2000

Johannes Wangler
By: JOHANNES WÄNGLER

Jrmgard Bach
Witness #1 Signature

Andrea Henkel
Witness #2 Signature

Jrmgard Bach
Witness #1 Printed Name

Andrea Henkel
Witness #2 Printed Name

Date: Karl-Heinz Schuster, 2000

November 6, 2000
By: KARL-HEINZ SCHUSTER

Jrmgard Bach
Witness #1 Signature

Andrea Henkel
Witness #2 Signature

Jrmgard Bach
Witness #1 Printed Name

Andrea Henkel
Witness #2 Printed Name

Date: 29. 11. 00, 2000

Udo Dinger
By: UDO DINGER

Jrmgard Bach
Witness #1 Signature

Quita Motzke
Witness #2 Signature

Jrmgard Bach
Witness #1 Printed Name

Quita Motzke
Witness #2 Printed Name

Date: 13.11.2000, 2000

Jrmgard Bach
Witness #1 Signature

Jrmgard Bach
Witness #1 Printed Name

W. Singer
By: WOLFGANG SINGER

Andrea Honikel
Witness #2 Signature

Andrea Honikel
Witness #2 Printed Name

Date: 13.11.2000, 2000

Jrmgard Bach
Witness #1 Signature

Jrmgard Bach
Witness #1 Printed Name

Martin Antoni
By: MARTIN ANTONI

Andrea Honikel
Witness #2 Signature

Andrea Honikel
Witness #2 Printed Name