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06-30-2005



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Please record the attached original documents or copies thereof.

2082-9

1. Name of conveying party(ies):

wolfgang

William SINGER Martin ANTONI Johannes WANGLER Wilhelm EGLE Vadim Yevgenyevich BANINE Erik Roelof LOOPSTRA

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

CARL ZEISS SMT AG Carl-Zeiss Strasse 22 73447 Oberkochen, GERMANY

ASML LITHOGRAPHY B.V. De Run 1110 NL-5530 LA Veldhoven, THE NETHERLANDS

06/24/2005 MBERHE1 00000097 10216547 40.00 OP 04 FC:8021

3. Nature of conveyance:

XXXX Assignment Merger Security Agreement Change of Name Other:

Execution Date: January 25, 2005; January 25, 2005; January 31, 2005; February 4, 2005; February 24, 2005; and February 11, 2005, all respectively

4. Application number(s) or application date(s): 10/216,547

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

A. Application/Patent No. B. Application/Issue Date

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.

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06/24/2005 MBERHE1

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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

Signature

11/4/05 Date

Total number of pages including cover sheet (in duplicate) and attachments: 8

JOINT 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; **Martin Antoni**, a citizen of Germany, and a resident of Schradenbergh 7, 73430 Aalen, Germany; **Johannes Wangler**, a citizen of Germany, and a resident of An der Reute 15, 85551 Königsbronn, Germany; **Wilhelm Egle**, a citizen of Germany, and a resident of Sauerbruchstraße 19, 73432 Aalen, Germany; **Vadim Yevgenyevich Banine**, a citizen of the Netherlands, and a resident of Nierslaan 2, 5704 NK Helmond, Netherlands, and **Erik Roelof Loopstra**, a citizen of the Netherlands, and a resident of Hodibalduslaan 15, 5591 Ba Heeze, Netherlands; having co-invented certain new and useful improvements in:

ILLUMINATION SYSTEM THAT SUPPRESSES DEBRIS FROM A LIGHT SOURCE

for valuable and legally sufficient considerations, the receipt and sufficiency of which is hereby acknowledged, assigns an equal interest to **Carl Zeiss SMT AG**, a German corporation, with its principal place of business at **Carl-Zeiss-Strasse 22, 73447 Oberkochen, Germany** and **ASML Lithography B.V.**, a Dutch corporation, with its principal place of business at **De Run 1110, NL-5530 LA Veldhoven, The Netherlands** (hereinafter referred to as "Assignees") 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 **August 9, 2002**, and assigned **U.S. Application Serial No. 10/216,547**, 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 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 Assignees, may be

637.0022USU

necessary or desirable to secure said Assignees 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: Jan 25, 2005

[Signature]
Witness Signature & Date

W. Singer
By: Wolfgang Singer

Carmen Helmle
Witness Printed Name

Carl Zeiss AG, Patentabteilung, 73446 Oberkochen
Witness Address

Date: Jan 25, 2005

A. Honikel Jan 25, 2005
Witness Signature & Date

[Signature]
By: Martin Antoni

Andrea Honikel
Witness Printed Name

Carl Zeiss AG, Patentabteilung, 73446 Oberkochen
Witness Address

Date: Jan 31, 2005

[Signature]
Witness Signature & Date

[Signature]
By: Johannes Wangler

Carmen Helmle
Witness Printed Name

Carl Zeiss AG, Patentabteilung, 73446 Oberkochen
Witness Address

637.0022USU

Date: _____, 2004


By: Wilhelm Egle

Witness Signature & Date

Witness Printed Name

Witness Address

Date: 24.02.05, 2005

By:  Vadim Yevgenyevich Banine


25 February 2005



Lia Verkuijlen
Witness Printed Name

Witness Signature & Date

ASML Netherlands B.V. De Run 6501 NL-5504 DR Veldhoven
Witness Address

Date: 11 feb 2005, 2005

By:  Erik Roelof Loopstra


25 February 2005


Lia Verkuijlen
Witness Printed Name

Witness Signature & Date

ASML Netherlands B.V. De Run 6501 NL-5504 DR Veldhoven
Witness Address

JOINT ASSIGNMENT

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Date: _____, 2004

By: Wolfgang Singer

Witness Signature & Date

Witness Printed Name

Witness Address

Date: _____, 2004

By: Martin Antoni

Witness Signature & Date

Witness Printed Name

Witness Address

Date: _____, 2004

By: Johannes Wangler

Witness Signature & Date

Witness Printed Name

Witness Address

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Date: Febr. 04, 200⁵~~4~~

Wilhelm Egle
By: Wilhelm Egle

C. Gerstung, Feb. 04, 2005
Witness Signature & Date

Christina Gerstung
Witness Printed Name

Carl Zeiss AG Patentabteilung, 73446 Oberkochen
Witness Address

Date: _____, 2004

By: Vadim Yevgenyevich Banine

Witness Signature & Date

Witness Printed Name

Witness Address

Date: _____, 2004

By: Erik Roelof Loopstra

Witness Signature & Date

Witness Printed Name

Witness Address