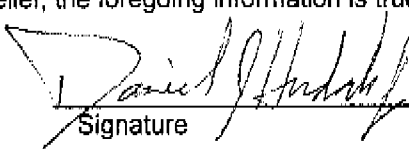


Form PTO-1595 (Rev. 6-93)	RECORDATION FORM COVER SHEET		U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
PATENTS ONLY			
OMB No. 0651-0011(exp. 4/94)			
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.			
1. Name of conveying party(ies): Marco Wedowski, Markus Weiss, Stephan Müllender, Johann Trenkler, Hartmut Enkisch, Gisela Sipos, Hubert Adriaan van Mierlo, Michiel David Nijkerk, Fokko Pieter Wieringa Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		2. Name and address of receiving party(ies) CARL ZEISS SMT AG Rudolf-Eber-Strasse 2 73447 Oberkochen, Germany Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input checked="" type="checkbox"/> Other: <u>Assignment by Legal Representative of Marco Wedowski</u> Execution Dates: <u>10/17/06, 9/28/06, 7/12/06, 8/30/06, 8/8/06,</u> <u>7/19/06, 9/13/06, 7/25/06, 7/14/06</u>			
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: _____ A. Patent Application No.(s): 11/439,854 B. Patent No.(s): Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>Daniel J. Hudak, Jr.</u> <u>Hudak Shunk & Farine Co. L.P.A.</u> Internal Address: <u>Suite 307</u> Street Address: <u>2020 Front Street</u> City: <u>Cuyahoga Falls</u> State: <u>OH</u> ZIP: <u>44221</u>		6. Total number of applications and patents involved: <u>1</u> 7. Total fee (37 CFR 3.41) <u>\$40.00</u> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account. 8. Deposit account number: <u>08-3150</u> (Attach duplicate copy of this page if paying by deposit account)	
DO NOT USE THIS SPACE			
9. Statement and signature. 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.			
<u>Daniel J. Hudak, Jr.</u> Registration No. <u>47 869</u>		 Signature	
		<u>10/31/06</u> Date	
Total number of pages including cover sheet, attachments, and documents: <u>19</u>			

Mail documents to be recorded with required cover sheet information to:
 Commissioner of Patents & Trademarks, Box Assignments
 Washington, D.C. 20231

Docket No. FMW-CD

Page 1 of 2

**ASSIGNMENT OF INVENTION
BY LEGAL REPRESENTATIVE**

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNOR:

Inventor on whose behalf the following person is signing: Marco Wedowski

By legal representative of inventor:

Nadyeh Shariloo
Otto-Schott-Strasse 15
73431 Aalen, Germany

Nationality:

German

hereby sells, assigns and transfers to

ASSIGNEE:

Carl Zeiss SMT AG, a corporation organized under the laws of Germany, domiciled at Rudolf-Eber-Strasse 2, 73447 Oberkochen, Germany,

and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title and interest for the United States and its territorial possessions and in all foreign countries, including all rights to claim priority, in and to any and all improvements which are disclosed in the invention entitled:

**Optical Element for Radiation in the EUV and/or Soft X-ray Region
and an Optical System with at least one Optical Element**

and which is found in (37 C.F.R. section 3.21) U.S. Application No. 11/439,854, filed on May 24, 2006 and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

Docket No. FMW-CD

Page 2 of 2

The undersigned covenants that she is the legal representative for the deceased inventor, Marco Wedowski, and is authorized to act on behalf of the deceased inventor.

Nadyeh Shariloo
Nadyeh Shariloo

Oct. 17. 2006
Date

Location: 73431 ARLIN

Witnessed Friedrich Barth

Name: FRIEDRICH BARTH
(Printed or Typed)

Oct 17. 2006
Date

Docket No.: FMW-CD (CZ 0102 US)

ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned by the Assignee,

CARL ZEISS SMT AG

a corporation organized under the laws of Germany, domiciled at

Rudolf-Eber-Strasse 2, 73447 Oberkochen, Germany

receipt whereof is hereby acknowledged, the undersigned by these presents hereby sells, assigns, transfers, and sets over unto said assignee the entire right, title and interest in and to the invention or improvement in

**"OPTICAL ELEMENT FOR RADIATION IN THE EUV AND/OR SOFT X-RAY REGION
AND AN OPTICAL SYSTEM WITH AT LEAST ONE OPTICAL ELEMENT"**

said invention being fully described and/or claimed in the application for Letters Patent of the United States of America, executed this date(s), as well as any divisional, continuing, reissue, reexamination, or other patent applications, in and for the United States and all foreign countries, the same to be held and enjoyed by said assignee, its successors, assigns or other legal representatives, to the full ends of the terms for which all Letters Patent therefore may be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment and sale had not been made.

AND SAID ASSIGNEE IS HEREBY AUTHORIZED to make application for and to receive Letters Patent for said invention in any of said countries at its election.

AND BY THIS COVENANT the undersigned will execute or procure any further necessary assurance of title to said invention and Letters Patent; and at any time, upon the request of said assignee, will execute and deliver any and all papers that may be necessary or desirable to perfect the title to said invention or any Letters Patent which may be granted therefor to said Assignee, its successors, assigns or other legal representatives, and, upon the request of said assignee, will execute any divisional, continuing, reissue, reexamination, or other applications for patents for said invention, in any country, and will make all rightful oaths and do all lawful acts requisite for aiding, procuring, or maintaining the same or for aiding therein.

AND THE COMMISSIONER of Patents is hereby authorized and requested to issue any and all Letters Patent to the United States for said invention, to said assignee.

SIGNED as indicated adjacent our signatures.

Docket No.: FMW-CD (CZ 0102 US)

Marco Wedowski

Date

Location: _____

Witnessed _____

Name: _____
(Printed or Typed)

Date

M. Weiss
Markus Weiss

September 28th 2006
Date

Location: Carl Zeiss AG

Witnessed Christina Gerstung

Name: Christina Gerstung
(Printed or Typed)

Sept. 28th, 2006
Date

Stephan Müllender
Stephan Müllender

July 12th, 2006
Date

Location: Carl Zeiss AG, Oberkochen

Witnessed Christina Gerstung

Name: Christina Gerstung
(Printed or Typed)

July 12th, 2006
Date

Docket No.: FMW-CD (CZ 0102 US)

J. Trenkler
Johann Trenkler

08/30/06
Date

Location: Carl Zeiss AG Oberkochen

Witnessed Christina Gerstung

Name: Christina Gerstung
(Printed or Typed)

08/30/06
Date

H. Enkisch
Hartmut Enkisch

08/08/06
Date

Location: Carl Zeiss AG, Oberkochen

Witnessed Christina Gerstung

Name: Christina Gerstung
(Printed or Typed)

08/08/06
Date

G. Sipos
Gisela Sipos

19.07.06
Date

Location: Carl Zeiss AG Oberkochen

Witnessed Christina Gerstung

Name: Christina Gerstung
(Printed or Typed)

July 19, 2006
Date

Docket No.: FMW-CD (CZ 0102 US)

H.A. van Mierlo _____

_____ **Date**

Location: _____

Witnessed _____

Name: _____
(Printed or Typed)

_____ **Date**

Michiel David Nijkerk _____

_____ **Date**

Location: _____

Witnessed _____

Name: _____
(Printed or Typed)

_____ **Date**

Fokko Pieter Wieringa _____

_____ **Date**

Location: _____

Witnessed _____

Name: _____
(Printed or Typed)

_____ **Date**

Docket No.: FMW-CD (CZ 0102 US)

ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned by the Assignee,

CARL ZEISS SMT AG

a corporation organized under the laws of Germany, domiciled at

Rudolf-Eber-Strasse 2, 73447 Oberkochen, Germany

receipt whereof is hereby acknowledged, the undersigned by these presents hereby sells, assigns, transfers, and sets over unto said assignee the entire right, title and interest in and to the invention or improvement in

**"OPTICAL ELEMENT FOR RADIATION IN THE EUV AND/OR SOFT X-RAY REGION
AND AN OPTICAL SYSTEM WITH AT LEAST ONE OPTICAL ELEMENT"**

said invention being fully described and/or claimed in the application for Letters Patent of the United States of America, executed this date(s), as well as any divisional, continuing, reissue, reexamination, or other patent applications, in and for the United States and all foreign countries, the same to be held and enjoyed by said assignee, its successors, assigns or other legal representatives, to the full ends of the terms for which all Letters Patent therefore may be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment and sale had not been made.

AND SAID ASSIGNEE IS HEREBY AUTHORIZED to make application for and to receive Letters Patent for said invention in any of said countries at its election.

AND BY THIS COVENANT the undersigned will execute or procure any further necessary assurance of title to said invention and Letters Patent; and at any time, upon the request of said assignee, will execute and deliver any and all papers that may be necessary or desirable to perfect the title to said invention or any Letters Patent which may be granted therefor to said Assignee, its successors, assigns or other legal representatives, and, upon the request of said assignee, will execute any divisional, continuing, reissue, reexamination, or other applications for patents for said invention, in any country, and will make all rightful oaths and do all lawful acts requisite for aiding, procuring, or maintaining the same or for aiding therein.

AND THE COMMISSIONER of Patents is hereby authorized and requested to issue any and all Letters Patent to the United States for said invention, to said assignee.

SIGNED as indicated adjacent our signatures.

Docket No.: FMW-CD (CZ 0102 US)

Marco Wedowski

Date

Location: _____

Witnessed _____

Name: _____
(Printed or Typed)

Date

Markus Weiss

Date

Location: _____

Witnessed _____

Name: _____
(Printed or Typed)

Date

Stephan Müllender

Date

Location: _____

Witnessed _____

Name: _____
(Printed or Typed)

Date

Docket No.: FMW-CD (CZ 0102 US)

Johann Trenkler _____

_____ **Date**

Location: _____

Witnessed _____

Name: _____
(Printed or Typed)

_____ **Date**

Hartmut Enkisch _____

_____ **Date**

Location: _____

Witnessed _____

Name: _____
(Printed or Typed)

_____ **Date**

Gisela Sipos _____

_____ **Date**

Location: _____

Witnessed _____

Name: _____
(Printed or Typed)

_____ **Date**

Docket No.: FMW-CD (CZ 0102 US)

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SIGNED as indicated adjacent our signatures.

Docket No.: FMW-CD (CZ 0102 US)

Marco Wedowski _____

_____ **Date**

Location: _____

Witnessed _____

Name: _____
(Printed or Typed)

_____ **Date**

Markus Weiss _____

_____ **Date**

Location: _____

Witnessed _____

Name: _____
(Printed or Typed)

_____ **Date**

Stephan Müllender _____

_____ **Date**

Location: _____

Witnessed _____

Name: _____
(Printed or Typed)

_____ **Date**

Docket No.: FMW-CD (CZ 0102 US)

Johann Trenkler

Date

Location: _____

Witnessed _____

Name: _____
(Printed or Typed)

Date

Hartmut Enkisch

Date

Location: _____

Witnessed _____

Name: _____
(Printed or Typed)

Date

Gisela Sipos

Date

Location: _____

Witnessed _____

Name: _____
(Printed or Typed)

Date

Docket No.: FMW-CD (CZ 0102 US)

H.A. van Mierlo

_____ Date

Location: _____

Witnessed _____

Name: _____
(Printed or Typed)

_____ Date

Michiel David Nijkerk
Michiel David Nijkerk

Jan. 25, 2006
Date

Location: Delft

Witnessed 

Name: B.T. Wolschrijn
(Printed or Typed)

25 / 1 / 2006
Date

Fokko Pieter Wieringa

_____ Date

Location: _____

Witnessed _____

Name: _____
(Printed or Typed)

_____ Date

Docket No.: FMW-CD (CZ 0102 US)

ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned by the Assignee,

CARL ZEISS SMT AG

a corporation organized under the laws of Germany, domiciled at

Rudolf-Eber-Strasse 2, 73447 Oberkochen, Germany

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SIGNED as indicated adjacent our signatures.

Docket No.: FMW-CD (CZ 0102 US)

Marco Wedowski

Date

Location: _____

Witnessed _____

Name: _____
(Printed or Typed)

Date

Markus Weiss

Date

Location: _____

Witnessed _____

Name: _____
(Printed or Typed)

Date

Stephan Müllender

Date

Location: _____

Witnessed _____

Name: _____
(Printed or Typed)

Date

Docket No.: FMW-CD (CZ 0102 US)

Johann Trenkler

Date

Location: _____

Witnessed _____

Name: _____
(Printed or Typed)

Date

Hartmut Enkisch

Date

Location: _____

Witnessed _____

Name: _____
(Printed or Typed)

Date

Gisela Sipos

Date

Location: _____

Witnessed _____

Name: _____
(Printed or Typed)

Date

Docket No.: FMW-CD (CZ 0102 US)

H.A. van Mierlo

Date

Location: _____

Witnessed _____

Name: _____
(Printed or Typed)

Date

Michiel David Nijkerk

Date

Location: _____

Witnessed _____

Name: _____
(Printed or Typed)

Date


Fokko Pieter Wieringa

July 14 2006
Date

Location: St. Anthonis

Witnessed 

Name: H. Wieringa-Gerretsen
(Printed or Typed)

July 14 2006
Date