

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:

CORRECTIVE ASSIGNMENT

NATURE OF CONVEYANCE:

Corrective Assignment to correct the name of inventor from Hans-Jurgen Mann to Hans-Juergen Mann and correct title previously recorded on Reel 016631 Frame 0362. Assignor(s) hereby confirms the Assignment of assignor's interest.

CONVEYING PARTY DATA

Name	Execution Date
Hans-Juergen Mann	03/21/2005
Udo Dinger	04/05/2005
Wilheim Ulrich	03/21/2005
Wolfgang Reinecke	04/06/2005
Thomas Engel	03/21/2005
Axel Zibold	05/13/2005
Wolfgang Harnisch	03/21/2005
Marco Wedowski	03/21/2005
Dieter Pauschinger	04/10/2005

RECEIVING PARTY DATA

Name:	CARL ZEISS SMT AG
Street Address:	Carl-Zeiss-Strasse 22
City:	73447 Oberkochen
State/Country:	GERMANY

Name:	CARL ZEISS SMS GmbH
Street Address:	Carl-Zeiss-Promenade 10
City:	07746 Jena
State/Country:	GERMANY

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	10983362

CORRESPONDENCE DATA

Fax Number: (203)327-6401

PATENT

500503319

REEL: 020740 FRAME: 0812

CH \$40.00 10983362

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 203-327-4500
Email: kkendall@ogrp.com
Correspondent Name: Kiadda Kendall
Address Line 1: One Landmark Square
Address Line 2: 10th Floor
Address Line 4: Stamford, CONNECTICUT 06901

ATTORNEY DOCKET NUMBER:

637.0036USX

NAME OF SUBMITTER:

Charles N.J. Ruggiero

Total Attachments: 12

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ASSIGNMENT

FOR valuable and legally sufficient considerations, receipt of which is hereby acknowledged, we, **Hans-Jürgen Mann**, a citizen of Germany, and a resident of Katzenbachstrasse 49, 73447 Oberkochen, Germany; **Udo Dinger**, a citizen of Germany, and a resident of Heinz-Küppenbender-Strasse 4, 73447 Oberkochen, Germany; **Wilhelm Ulrich**, a citizen of Germany, and a resident of Lederackerring 44, 73434 Aalen, Germany; **Wolfgang Reinecke**, a citizen of Germany, and a resident of Seestrasse 97B, 1578³⁸~~8~~ Zeuthen, Germany; **Thomas Engel**, a citizen of Germany and a resident of Urblicher Weg 88, 99102 Erfurt, Germany; **Axel Zibold**, a citizen of Germany and a resident of Biberweg 13, 07449 Jena, Germany; **Wolfgang Harnisch**, a citizen of Germany and a resident of Am Müllergraben 4, 07778 Lehesten, Germany; **Marco Wedowski** a citizen of Germany and a resident of Otto-Schott-Strasse 15, 73447 Oberkochen, Germany and **Dieter Pauschinger** a citizen of Germany and a resident of Walporzheimer Strasse 5, 13465 Berlin, Germany; have co-invented certain new and useful improvements in

*corrected by
Reinecke
April 6, 2005*

**REFLECTIVE X-RAY MICROSCOPE AND INSPECTION SYSTEM FOR EXAMINING
OBJECTS WITH WAVELENGTHS OF $\leq 100\text{NM}$**

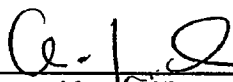
hereby assign to **Carl Zeiss SMT AG**, a German corporation having its principal office at **Carl-Zeiss-Strasse 22, 73447 Oberkochen, Deutschland** and **Carl Zeiss SMS GmbH**, a German corporation having its principal office at **Carl-Zeiss-Promenade 10, 07745 Jena, Deutschland** (hereinafter referred 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 even date, 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: March, 21st, 2005

By: 
Hans-Jürgen Mann

Date: March 21, 2005

Jrmgard Bach
Witness Signature

Jrmgard Bach
Witness Printed Name

Witness Address

Carl Zeiss AG

73446 Oberkochen

637.0036USX

Date: 05-Apr-2005, 2005

Udo Dinger
By: Udo Dinger

Date: April 5, 2005

Jrmgard Bach
Witness Signature

Jrmgard Bach
Witness Printed Name

Witness Address

Carl Zeiss AG
73446 Oberkochen

Date: 21-March-2005, 2005

Wilhelm Ulrich
By: Wilhelm Ulrich

Date: March 21, 2005

Jrmgard Bach
Witness Signature

Jrmgard Bach
Witness Printed Name

Witness Address

Carl Zeiss AG
73446 Oberkochen

Date: April 6, 2005

By: Wolfgang Reinecke

Date: April 6, 2005

Reiner Güther
Witness Signature

Reiner Güther
Witness Printed Name

Witness Address

FBH

Gustav-Kirchhoff-Str. 4
12489 Berlin

Date: March 21, 2005

By: Thomas Engel

Date: March 21, 2005

Jrmgard Bach
Witness Signature

Jrmgard Bach
Witness Printed Name

Witness Address

Carl Zeiss AG

73446 Oberkochen

637.0036USX

Date: 13.5.05, 2005

By: Axel Zibold
Axel Zibold

Date: 13.5.05, 2005

Wolfgang Harnisch
Witness Signature

Witness Printed Name

Witness Address

Date: _____, 2005

By: Wolfgang Harnisch

Date: _____, 2005

Witness Signature

Witness Printed Name

Witness Address

637.0036USX

Date: _____, 2005

By: Axel Zibold


Date: _____, 2005

Witness Signature

Witness Printed Name

Witness Address

Date: March 24, 2005


By: Wolfgang Harnisch

Date: _____, 2005

Witness Signature

Witness Printed Name

Witness Address

637.0036USX

Date: March 21, 2005

Marco Wedowski
By: Marco Wedowski

Date: March 21, 2005

Jrmgard Bach
Witness Signature

Jrmgard Bach
Witness Printed Name

Witness Address

Carl Zeiss AG
73446 Oberkochen

Date: April 10, 2005

Dieter Pauschinger
By: Dieter Pauschinger

Date: _____, 2005

Witness Signature

Witness Printed Name

Witness Address

637,0036USX

07/05/2006
700273867
RECORDATION FORM COVER SHEET
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Alexandria, VA 22313-1450

Please record the attached original documents or copies thereof.

1. Name of conveying party(ies): **Hans-Jürgen MANN, Udo DINGER, Wilhelm ULRICH, Wolfgang REINECKE, Thomas ENGEL, Axel ZIBOLD, Wolfgang HARNISCH, Marco WEDOWSKI, and Dieter PAUSCHINGER**
2. Name and address of receiving party(ies): **CARL ZEISS SMT AG
Carl-Zeiss-Strasse 22
73447 Oberkochen GERMANY
And
CARL ZEISS SMS GmbH
Carl-Zeiss-Promenade 10
07746 Jena GERMANY**
3. Nature of conveyance:

<input type="checkbox"/> Assignment	<input type="checkbox"/> Merger
<input type="checkbox"/> Security Agreement	<input type="checkbox"/> Change of Name

XXXXX Other: Correction to Reel/Frame - 016832/0362 - Please correct Application Serial No. from 11/983,362 to 10/983,362.
Execution Date: **March 21, 2005, March 24, 2005, April 5, 2005, April 6, 2005, April 10, 2005, And May 13, 2005 respectively.**
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. <u>Application/Patent No.</u> 10/983,362	B. <u>Application/Issue Date</u> November 8, 2004
---	---
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 CUSTOMER NO.: 27623
NO FEE REQUIRED DUE TO USPTO ERROR

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  July 5, 2006
Name of Person Signing Signature Date

Total number of pages including cover sheet (in duplicate) and attachments: 5.

CERTIFICATE OF TRANSMISSION

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING FACSIMILE TRANSMITTED TO THE FACSIMILE NUMBER 571 273 0140, TOTAL OF 5 PAGES, C/O MAIL STOP ASSIGNMENT RECORDATION SERVICES, COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450, ON July 5, 2006.

Michelle M. Bombino
NAME


SIGNATURE

7/5/06
DATE



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Please record the attached original documents or copies thereof.

1. Name of conveying party(ies): **Hans-Jurgen MANN
Udo DINGER
Wilhelm ULRICH
Wolfgang REINECKE
Thomas ENGEL
Axel ZIBOLD
Wolfgang HARNISCH
Marco WEDOWSKI
Dieter PAUSCHINGER**

2. Name and address of receiving party(ies): **CARL ZEISS SMT AG
Carl-Zeiss-Strasse 22
73447 Oberkochen
Deutschland**

06/01/2005 HGUTENA1 00000060 10983362

03 FC:8021

40.00 DP

And

**Carl Zeiss Microelectronic Systems GmbH
Carl-Zeiss-Promenade 10
07745 Jena
Deutschland**

3. Nature of conveyance:
XXXX Assignment _____ Merger
_____ Security Agreement _____ Change of Name
_____ Other: _____

Execution Date: 21 MAR 05; 05 APR 05; 6 APR 05; 10 APR 05; 24 MAR 05; 13 MAY 05

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. B. Application/Issue Date
10/983,362 November 8, 2004

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.**

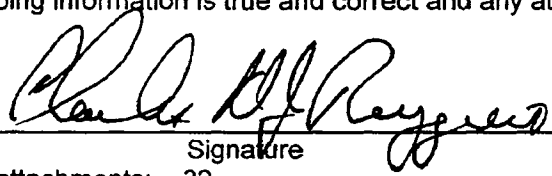
6. Total No. of applications and patents involved: 1.

7. Total Fee (37 C.F.R. 3.41(h)) \$40.00/assignment.
XXXXX CUSTOMER NO.: 27623

The Commissioner is hereby authorized to charge the fee of **\$40.00** 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


Signature

05/26/05
Date

Total number of pages including cover sheet and attachments: 32.

PATENT

RECORDED: 04/02/2008

REEL: 020740 FRAME: 0823