



To the Honorable Commissioner of Patents

103602956

ached original documents or copy thereof

1. Name of conveying party(ies):

1. Dirk Heinrich Ehm
2. Arnold Storm
3. Johannes Hubertus Josephina
4. Bastiaan Theodoor Wolschrijn
5. Thomas Stein
6. Edwin te Sligte



Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other - See attached sheet

Execution Date: 1. 01 Jul 10 4. 11 Jun 10  
2. 01 Jul 10 5. 09 Jun 10  
3. 26 Jun 10 6. 01 Jul 10

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

Name: Carl Zeiss SMT AG  
Address:  
Rudolf-Eber-Strasse 2  
73447 Oberkochen  
Federal Republic of Germany

Name: ASML Netherlands B.V.

Address:  
De Run 6501  
5504 DR Veldhoven  
Netherlands

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

☐ This document is being filed together with a new application.

A. Patent Application No.  
12/662,840

B. Patent No.

Additional numbers attached? ☐ Yes ☒ No

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

Name: Walter Ottesen  
Patent Attorney

Address: P.O. Box 4026  
Gaithersburg, Maryland 20885-4026

Phone No.: (301) 869-8950  
Fax No.: (301) 869-8929  
Email: WOPAT@aol.com

6. Total number of applications and patents involved: **1**

7. Total fee (37 CFR 1.21(h) & 3.41):..... \$40.00

- ☐ Enclosed  
☐ Authorized to be charged to deposit account  
☒ Authorized to be charged by credit card

8. Payment Information

a. Credit Card Last 4 Numbers 4167  
Expiration Date 10/11  
b. Deposit Account Number \_\_\_\_\_  
Authorized User Name \_\_\_\_\_

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.

Walter Ottesen

Name of Person Signing

Signature

July 19, 2010

Date

Total number of pages comprising cover sheet: **7**

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO,  
P.O. Box 1450, Alexandria, VA 22313-1450

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

4/1/12 07

PATENT  
REEL: 024749 FRAME: 0782

ASSIGNMENT

Whereas, We, DIRK HEINRICH EHM of Scheffelstrasse 5, 73466 Lauchheim, Federal Republic of Germany, ARNOLD STORM of Koetlaan 12, 2625 KS Delft, Netherlands, JOHANNES HUBERTUS JOSEPHINA MOORS of Dierdonkiaan 56, 5709 MT Helmond, Netherlands, BASTIAAN THEODOOR WOLSCHRIJN of Sluijterstraat 1, 1391 XC Abcoude, Netherlands, THOMAS STEIN of Adolph-Kolping-Strasse 49, 73447 Oberkochen, Federal Republic of Germany, and EDWIN TE SLIGTE of Zonneroosstraat 27, 5644 ES Eindhoven, Netherlands, have invented certain new and useful improvements in Method for Removing a Contamination Layer from an Optical Surface and Arrangement Therefor as well as a Method for Generating a Cleaning Gas and Arrangement Therefor for which application for United States Letters Patent has been executed on even date herewith, (said application having Attorney Docket No. P16225); and,

Whereas, CARL ZEISS SMT AG, a corporation organized and existing under the laws of the Federal Republic of Germany, having its principal office at Rudolf-Eber-Strasse 2, 73447 Oberkochen, Federal Republic of Germany (hereinafter referred to as ZEISS); and, ASML NETHERLANDS B.V., a company organized and existing under the laws of the Netherlands, having its principal office at De Run 6501, 5504 DR Veldhoven, Netherlands (hereinafter referred to as ASML), are desirous of obtaining Letters Patent for said invention in the United States;

Now, therefore, we hereby confirm that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have transferred unto said ZEISS and ASML, their respective successors, assigns, nominees or other legal representatives, the full and exclusive right to said invention and have agreed to assign and transfer and do hereby assign and transfer unto said ZEISS and ASML, their respective successors, assigns, nominees or other legal representatives, the full and exclusive right, title and interest in and to said application including all priority rights under the International Convention for the Protection of

Industrial Property associated therewith and the full and exclusive right to any and all Letters Patent which may be granted in the United States on said application to the full end of the term for which said Letters Patent is granted and to any and all divisional, continuation, substitute and reissue applications derived from said application.

We agree for ourselves and for our heirs, executors and administrators to communicate to said ZEISS and ASML, their respective successors, assigns, nominees or other legal representatives, all facts known to us respecting said improvements, whenever requested, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute and reissue applications, make all rightful oaths and do all lawful acts requisite for the application, for such divisional, continuation, substitute and reissue applications or the procuring thereof, and we further covenant and agree that we will, at any time upon request, do everything legally possible to aid said ZEISS and ASML, their respective successors, assigns, nominees or other legal representatives to maintain and enforce any patent for said improvements without further consideration but at the expense of said ZEISS and ASML, their respective successors, assigns, nominees or other legal representatives.

We hereby authorize and request the United States Commissioner of Patents and Trademarks to issue any and all Letters Patent which may be granted upon any of said applications, to said ZEISS and ASML as the Assignees of the entire right, title and interest in and to the same, for their sole use and behoof; and for the use and behoof of their respective successors, assigns, nominees, or other legal representatives, to the full end of the term for which said Letters Patent may be granted.

Witness:

Christine Gruber

Dirk Heinrich Ehm

Dirk Heinrich Ehm

Date: 07/01/2010

Witness:



  
Arnold Storm

Date: July - 1 2010

Witness:

\_\_\_\_\_

\_\_\_\_\_  
Johannes Hubertus Josephina Moors

Date: \_\_\_\_\_

Witness:

\_\_\_\_\_

\_\_\_\_\_  
Bastiaan Theodoor Wolschrijn

Date: \_\_\_\_\_

Witness:

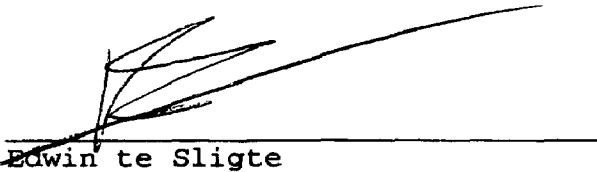
\_\_\_\_\_

\_\_\_\_\_  
Thomas Stein

Date: \_\_\_\_\_

Witness:



  
Edwin te Sligte

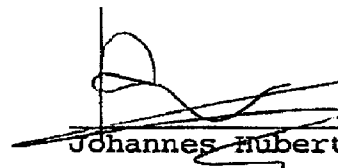
Date: Jul - <sup>1st</sup> 2 - 2010

Witness:

\_\_\_\_\_  
Arnold Storm

Date: \_\_\_\_\_

Witness:

\_\_\_\_\_  
  
Johannes Hubertus Josephina Moors

Date: 24/6/2010

Witness:

\_\_\_\_\_  
Bastiaan Theodoor Wolschrijn

Date: \_\_\_\_\_

Witness:

\_\_\_\_\_  
Thomas Stein

Date: \_\_\_\_\_

Witness:

\_\_\_\_\_  
Edwin te Sligte

Date: \_\_\_\_\_

Witness:

\_\_\_\_\_  
Arnold Storm

Date: \_\_\_\_\_

Witness:

\_\_\_\_\_  
Johannes Hubertus Josephina Moors

Date: \_\_\_\_\_

Witness:

Ludger vd LAAN

  
\_\_\_\_\_  
Bastiaan Theodoor Wolschrijn

Date: 11.06.2010

Witness:

\_\_\_\_\_  
Thomas Stein

Date: \_\_\_\_\_

Witness:

\_\_\_\_\_  
Edwin te Slighte

Date: \_\_\_\_\_

Witness:

\_\_\_\_\_  
Arnold Storm

Date: \_\_\_\_\_

Witness:

\_\_\_\_\_  
Johannes Hubertus Josephina Moors

Date: \_\_\_\_\_

Witness:

\_\_\_\_\_  
Bastiaan Theodoor Wolschrijn

Date: \_\_\_\_\_

Witness:

*Christina Gortmeijer*  
\_\_\_\_\_

*Thomas Stein*  
\_\_\_\_\_  
Thomas Stein

Date: 06/03/10

Witness:

\_\_\_\_\_  
Edwin te Sligte

Date: \_\_\_\_\_