

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Hans-Juergen Rostalski	10/12/2011
Tilman Schwertner	10/04/2011
Alexander Epple	10/07/2011

RECEIVING PARTY DATA

Name:	Carl Zeiss SMT GmbH
Street Address:	Rudolf-Eber-Strasse 2
City:	Oberkochen
State/Country:	GERMANY
Postal Code:	73447

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13235651

CORRESPONDENCE DATA

Fax Number: (877)769-7945
 Phone: 6175425070
 Email: apsi@fr.com
Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.
 Correspondent Name: Sean Daley
 Address Line 1: FISH & RICHARDSON P.C.
 Address Line 2: P.O.BOX 1022
 Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022

ATTORNEY DOCKET NUMBER:	20228-0059001
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NAME OF SUBMITTER:	Alissa Tizzano
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Total Attachments: 6

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**PATENT
 REEL: 027149 FRAME: 0940**

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Assignment

Whereas, I/We, ROSTALSKI, Hans-Juergen of Dietrich-Bonhoeffer-Strasse 9, 73447 Oberkochen, Germany hereinafter called assignor, have invented certain improvements in

Optical arrangement in a projection objective of a microlithographic projection exposure apparatus

and executed an application for Letters Patent of the United States therefor; and

Whereas, Carl Zeiss SMT GmbH, a corporation of Germany, having a place of business at Rudolf-Eber-Strasse 2, 73447 Oberkochen, Germany, hereinafter called assignee, desires to acquire the entire right, title, and interest in the application and the invention disclosed therein, and to any United States patents to be obtained therefor;

Therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor, hereby state as follows:

To the extent that my entire right, title and interest in the application and the invention disclosed therein have not transferred to the assignee by virtue of applicable law and/or contract, I/we hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire/remaining, present/expectant right, title and interest in the application and the invention disclosed therein for the United States of America, including all divisionals and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, including the right to claim priority under 35 U.S.C. §119, and for all countries foreign thereto, including rights of priority under applicable conventions and treaties; and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we hereby agree that the assignee may apply for foreign Letters Patent on the invention; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee.

I/We hereby authorize and request the attorneys of Fish & Richardson Attn.: Sean Daley One Marina Park Drive Boston, Massachusetts 02210 U S A to insert here in

Assignment

Whereas, I/We, SCHWERTNER, Tilman of Egerlandstrasse 88, 73431 Aalen, Germany hereinafter called assignor, have invented certain improvements in

Optical arrangement in a projection objective of a microlithographic projection exposure apparatus

and executed an application for Letters Patent of the United States therefor; and

Whereas, Carl Zeiss SMT GmbH, a corporation of Germany, having a place of business at Rudolf-Eber-Strasse 2, 73447 Oberkochen, Germany, hereinafter called assignee, desires to acquire the entire right, title, and interest in the application and the invention disclosed therein, and to any United States patents to be obtained therefor;

Therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor, hereby state as follows:

To the extent that my entire right, title and interest in the application and the invention disclosed therein have not transferred to the assignee by virtue of applicable law and/or contract, I/we hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire/remaining, present/expectant right, title and interest in the application and the invention disclosed therein for the United States of America, including all divisionals and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, including the right to claim priority under 35 U.S.C. §119, and for all countries foreign thereto, including rights of priority under applicable conventions and treaties; and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we hereby agree that the assignee may apply for foreign Letters Patent on the invention; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee.

I/We hereby authorize and request the attorneys of Fish & Richardson Attn.: Sean Daley One Marina Park Drive Boston, Massachusetts 02210 U S A to insert here in

parentheses (Application number 13/235651, filed 19 September 2011 and Confirmation number _____) the application number and filing date of said application when known.

Tilman Schwertner

Signature

October 4th 2011

Date

SCHWERTNER, Tilman

Typed or printed name

Witnessed by:

Christina Gostang

Signature

October 4, 2011

Date

Typed or printed name

Witnessed by:

Signature

Date

Typed or printed name

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)

Assignment

Whereas, I/We, EPPLE, Alexander of Langertstrasse 38, 73431 Aalen, Germany hereinafter called assignor, have invented certain improvements in

Optical arrangement in a projection objective of a microlithographic projection exposure apparatus

and executed an application for Letters Patent of the United States therefor; and

Whereas, Carl Zeiss SMT GmbH, a corporation of Germany, having a place of business at Rudolf-Eber-Strasse 2, 73447 Oberkochen, Germany, hereinafter called assignee, desires to acquire the entire right, title, and interest in the application and the invention disclosed therein, and to any United States patents to be obtained therefor;

Therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor, hereby state as follows:

To the extent that my entire right, title and interest in the application and the invention disclosed therein have not transferred to the assignee by virtue of applicable law and/or contract, I/we hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire/remaining, present/expectant right, title and interest in the application and the invention disclosed therein for the United States of America, including all divisionals and continuations thereof, and all Letters Patent of the United States that may be granted thereon, and all reissues thereof, including the right to claim priority under 35 U.S.C. §119, and for all countries foreign thereto, including rights of priority under applicable conventions and treaties; and I/we request the Director of the U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we hereby agree that the assignee may apply for foreign Letters Patent on the invention; and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee.

I/We hereby authorize and request the attorneys of Fish & Richardson Attn.: Sean Daley One Marina Park Drive Boston, Massachusetts 02210 U S A to insert here in

parentheses (Application number 13/235651, filed 19 September 2011 and Confirmation number _____) the application number and filing date of said application when known.

Alexander Epple OCT 7, 2011
Signature Date

EPPLE, Alexander

Typed or printed name

Witnessed by:

Christina Gooding October 7, 2011
Signature Date

Typed or printed name

Witnessed by:

Signature Date

Typed or printed name

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)