



11-19-2007

MAIL STOP ASSIGNMENTS



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11/13/07

TO THE COMMISSIONER OF THE U.S. PATENT & TRADEMARK OFFICE:

Sir:

Please record the attached original documents or copy thereof as follows:

1. NAME OF CONVEYING PARTIES [ASSIGNOR(S)]:

- a. Rainer Knippelmeyer
- b. Oliver Kienzle
- c. Thomas Kemen
- d. Heiko Mueller
- e. Stephan Uhlemann
- f. Maximilian Haider
- g. Antonio Casares
- h.

ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? YES NO

2. PARTIES [ASSIGNEE(S)] RECEIVING INTEREST:

NAME: Carl Zeiss SMT AG and Applied Materials Israel

ADDRESS: Carl-Zeiss-Strasse 22, Oberkochen, Federal Republic of Germany 73447 and
9 Oppenheimer Street, Rehovot, Israel 76707, respectively.

ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? YES NO

3. NATURE OF CONVEYANCE/DOCUMENT:

- ASSIGNMENT OF
- ORIGINAL
- CHANGE OF NAME
- SECURITY
- WHOLE or
- FACSIMILE/PHOTOCOPY
- VERIFIED TRANSLATION
- MERGER
- PART INTEREST
- OTHER:

Execution Date(s) on the Conveyance/Document:

October 10, 2007, October 18, 2007, October 11, 2007, September 23, 2007, September 28, 2007, October 5, 2007, October 2, 2007

Execution Date(s) on the Declaration (if filed herewith):

October 10, 2007, October 18, 2007, October 11, 2007, September 26, 2007, September 28, 2007, October 5, 2007, October 2, 2007

4. APPLICATION AND/OR PATENT NUMBER(S):

Additional sheets attached? YES NO

a. Application Number(s)	Matter No.	First Inventor	b. Patent Number(s)	Matter No.	First Inventor
11/808,845	011816-0066-999	Rainer Knippelmeyer, et al.			

5. NAME & ADDRESS OF PARTY TO WHOM CORRESPONDENCE CONCERNING DOCUMENT SHOULD BE MAILED:

Customer No. 20583
Jones Day
Intellectual Property Group
222 East 41st Street
New York, NY 10017-6702

6. NUMBER OF PROPERTIES INVOLVED:

Applns 1 + Patents 0 = Total: 1

7. AMOUNT OF FEE DUE:

Above Total 1 x \$40 = \$ 40 (Fee Code 8021)

8. PLEASE CHARGE TO:

DEPOSIT ACCOUNT NO. 503-013
Under Order No. 011816-0066-999
Matter No.

9. 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.

10. TOTAL NUMBER OF PAGES (including cover sheet, attachments and documents): 5

Douglas H. Pearson
Signature

Name of Attorney: Douglas H. Pearson
Registration No. 47,851

Date: November 13, 2007
Telephone: (202) 879-3939 / Facsimile: (202) 626-1700

11/14/2007 CHL:BAI 00000028 503013 11808845
02 10:30:01 40.00 DA

FILE WITH PTO RETURN RECEIPT (PAT-103A)

ASSIGNMENT

WHEREAS, WE, Rainer Knippelmeyer, Oliver Kienzle, Thomas Kemen, Heiko Mueller, Stephan Uhlemann, Maximilian Haider, and Antonio Casares, ASSIGNORS, citizens of Germany, residing at Weisse Steige 32, 73431 Aalen, Germany; Magdelstieg 121B, 07745 Jena, Germany; Bischof-Fischer-Strasse 75/1, 73430 Aalen, Germany; Ortenauer Strasse 17, 69126 Heidelberg, Germany; Bahnhofstrasse 3, 69115 Heidelberg, Germany; Pfarrgasse 20, 69251 Gaiberg, Germany and Sebastianstrasse 9/1, 73432 Aalen, Germany, respectively are the inventors of the invention in PARTICLE-OPTICAL SYSTEMS AND ARRANGEMENTS AND PARTICLE-OPTICAL COMPONENTS FOR SUCH SYSTEMS AND ARRANGEMENTS for which we have executed an application for a Patent of the United States

- checkbox which is executed on even date herewith or
checkbox which is identified by Jones Day docket no. 011816-0066-999
checkbox which was filed on June 13, 2007, Application No. 11/808,845
checkbox We hereby authorize and request attorney(s), at Jones Day, to insert here in parentheses (Application number, filed) the filing date and application number of said application when known.

and WHEREAS, Carl Zeiss SMT AG and Applied Materials Israel, ASSIGNEES, are desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner for Patents and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date Oct. 10, 2007 Rainer KNIPPELMEYER L.S.
Date, 2007 Oliver KIENZLE L.S.
Date, 2007 Thomas KEMEN L.S.
Date, 2007 Heiko MUELLER L.S.
Date Sep. 28, 2007 Stephan UHLEMANN L.S.
Date, 2007 Maximilian HAIDER L.S.
Date, 2007 Antonio CASARES L.S.

ASSIGNMENT

WHEREAS, WE, Rainer Knippelmeyer, Oliver Kienzle, Thomas Kemen, Heiko Mueller, Stephan Uhlemann, Maximilian Haider, and Antonio Casares, ASSIGNORS, citizens of Germany, residing at Weisse Steige 32, 73431 Aalen, Germany; Magdelstieg 121B, 07745 Jena, Germany; Bischof-Fischer-Strasse 75/1, 73430 Aalen, Germany; Ortenauer Strasse 17, 69126 Heidelberg, Germany; Bahnhofstrasse 3, 69115 Heidelberg, Germany; Pfarrgasse 20, 69251 Gaiberg, Germany and Sebastianstrasse 9/1, 73432 Aalen, Germany, respectively are the inventors of the invention in PARTICLE-OPTICAL SYSTEMS AND ARRANGEMENTS AND PARTICLE-OPTICAL COMPONENTS FOR SUCH SYSTEMS AND ARRANGEMENTS for which we have executed an application for a Patent of the United States

- which is executed on even date herewith or
- which is identified by Jones Day docket no. 011816-0066-999
- which was filed on June 13, 2007, Application No. 11/808,845
- We hereby authorize and request attorney(s), , at Jones Day, to insert here in parentheses (Application number, _____ filed _____) the filing date and application number of said application when known.

and WHEREAS, Carl Zeiss SMT AG and Applied Materials Israel, ASSIGNEES, are desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

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IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date _____ , 2007	_____	Rainer KNIPPELMEYER	L.S.
Date <u>October 18</u> , 2007	_____	Oliver KIENZLE	L.S.
Date <u>October 11</u> , 2007	_____	Thomas KEMEN	L.S.
Date _____ , 2007	_____	Heiko MUELLER	L.S.
Date _____ , 2007	_____	Stephan UHLEMANN	L.S.
Date _____ , 2007	_____	Maximilian HAIDER	L.S.
Date <u>October 2</u> , 2007	_____	Antonio CASARES	L.S.

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Date _____ , 2007	_____	L.S.
	Rainer KNIPPELMEYER	
Date _____ , 2007	_____	L.S.
	Oliver KIENZLE	
Date _____ , 2007	_____	L.S.
	Thomas KEMEN	
Date <u>Sep. 23</u> , 2007	<u>Heiko Mueller</u>	L.S.
	Heiko MUELLER	
Date _____ , 2007	_____	L.S.
	Stephan UHLEMANN	
Date _____ , 2007	_____	L.S.
	Maximilian HAIDER	
Date _____ , 2007	_____	L.S.
	Antonio CASARES	

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Date _____, 2007 Heiko MUELLER L.S.
Date _____, 2007 Stephan UHLEMANN L.S.
Date 5. Oct. 2007, 2007 Maximilian HAIDER L.S.
Date _____, 2007 Antonio CASARES L.S.