

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Johannes Catharinus Hubertus MULKENS	03/14/2005
Johannes Jacobus Matheus BASELMANS	01/06/2005
Paul GRAUPNER	03/14/2005
Erik Roelof LOOPSTRA	03/14/2005
Bob STREEFKERK	03/14/2005

RECEIVING PARTY DATA

Name:	ASML NETHERLANDS B.V.
Street Address:	De Run 6501
City:	Veldhoven
State/Country:	NETHERLANDS
Postal Code:	NL-5504 DR

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13446687

CORRESPONDENCE DATA

Fax Number: (703)770-7901
 Phone: 703-770-7900
 Email: jennifer.sallee@pillsburylaw.com
Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.

CH \$40.00 13446687

Correspondent Name:	PILLSBURY WINTHROP SHAW PITTMAN LLP
Address Line 1:	P.O. BOX 10500
Address Line 4:	MCLEAN, VIRGINIA 22102

ATTORNEY DOCKET NUMBER:	081468-0405928
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NAME OF SUBMITTER:	Jennifer E. Sallee
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Total Attachments: 2 source=Assignment#page1.tif source=Assignment#page2.tif
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Please return signed/recorded to:

Pillsbury Winthrop LLP
Intellectual Property Group
P.O. Box 10500
McLean, VA 22102USA Patent Appin.
Sole or JointFor inventions made outside USA
executed with or after applicationAtty. Dkt. P 312398 P-1707.010-US
M# Client Ref.

NONPROVISIONAL

ASSIGNMENT
OF NONPROVISIONAL APPLICATION

NONPROVISIONAL

In consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration paid to each of the undersigned, to wit:

INSERT	(1) MULKENS, Johannes Catharinus Hubertus	(2) BASELMANS, Johannes Jacobus Matheus
NAME(S) OF	(3) GRAUPNER, Paul	(4) LOOPSTRA, Erik Roelof
INVENTOR(S)	(5) STREEFKERK, Bob	☐ x box if continued on page 2

the receipt and sufficiency of which are hereby acknowledged by the undersigned who at the request of, hereby sell(s), assign(s) and transfer(s) unto:

INSERT	ASML NETHERLANDS B.V.
NAME(S) OF	De Run 6501
ASSIGNEE(S)	NL-5504 DR Veldhoven
& ADDRESS(ES)	The Netherlands
	And

INSERT	CARL ZEISS SMT AG
NAME(S) OF	Carl-Zeiss-Strasse 22
ASSIGNEE(S)	73447 Oberkochen
& ADDRESS(ES)	Germany

(hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100, in the invention and all applications including any and all divisions, continuations, substitutes, and reissues thereof; and all resulting patents, known as

TITLE OF
INVENTION

LITHOGRAPHIC APPARATUS AND DEVICE MANUFACTURING METHOD

NOTE → →

(Complete

(line A, B and/or C)

for which the undersigned executed an application for Letters Patents of the United States of America:

(A) ☐ even date herewith(B) ☐ on(C) ☒ in U.S. Appl. No. 10/951,359 filed 12 October 2004

AND the undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to issue said Letters Patent to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree(s) that the attorney of record in said application shall hereinafter act on behalf of said ASSIGNEE.

AND the undersigned hereby agree(s) to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE'S full protection and file in and to the invention hereby transferred.

NOTE → →

The undersigned hereby authorize(s) Pillsbury Winthrop LLP of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

INVENTORS

DATE SIGNED

WITNESSES

1):

Name: MULKENS, Johannes Catharinus Hubertus

2)

Name: BASELMANS, Johannes Jacobus Matheus

3)

Name: GRAUPNER, Paul

4)

Name: LOOPSTRA, Erik Roelof

5)

Name: STREEFKERK, Bob

03/14/05

P. Grooten 03/14/05

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INSERT NAME(S) OF INVENTOR(S)	(1) MULKENS, Johannes Catharinus Hubertus (3) GRAUPNER, Paul (5) STREEFKERK, Bob	(2) BASELMANS, Johannes Jacobus Matheus. (4) LOOPSTRA, Erik Roelof ☐ x box if continued on page 2
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& ADDRESS(ES) The Netherlands

And
INSERT CARL ZEISS SMT AG
NAME(S) OF Carl-Zeiss-Strasse 22
ASSIGNEE(S) 73447 Oberkochen
& ADDRESS(ES) Germany

(hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100, in the invention and all applications including any and all divisions, continuations, substitutes, and reissues thereof; and all resulting patents, known as

TITLE OF
INVENTION

LITHOGRAPHIC APPARATUS AND DEVICE MANUFACTURING METHOD

NOTE → →

(Complete

line A, B and/or C)

for which the undersigned executed an application for Letters Patents of the United States of America:

(A) ☐ even date herewith(B) ☐ on(C) ☒ in U.S. Appln. No. 10/961,369 filed 12 October 2004

AND the undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to issue said Letters Patent to the said ASSIGNEE, (or its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree(s) that the attorney of record in said application shall hereinafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree(s) to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE'S full protection and file in and to the invention hereby transferred.

NOTE → →

The undersigned hereby authorize(s) Pillsbury Winthrop LLP of the above address to insert hereon any further identification necessary or desirable for recording of this document.

	INVENTORS	DATE SIGNED	WITNESSES
1):	<u>MULKENS, Johannes Catharinus Hubertus</u>	14 March 2005	<u>Erik Roelof</u>
Name:	<u>MULKENS, Johannes Catharinus Hubertus</u>		<u>Erik Roelof</u>
2):	<u>BASELMANS, Johannes Jacobus Matheus</u>	6/01/2005	<u>Erik Roelof</u>
Name:	<u>BASELMANS, Johannes Jacobus Matheus</u>		<u>Erik Roelof</u>
3):	<u>GRAUPNER, Paul</u>	14 March 2005	<u>Erik Roelof</u>
Name:	<u>GRAUPNER, Paul</u>		<u>Erik Roelof</u>
4):	<u>LOOPSTRA, Erik Roelof</u>	14 March 2005	<u>Erik Roelof</u>
Name:	<u>LOOPSTRA, Erik Roelof</u>		<u>Erik Roelof</u>
5):	<u>STREEFKERK, Bob</u>	14 March 2005	<u>Erik Roelof</u>
Name:	<u>STREEFKERK, Bob</u>		<u>Erik Roelof</u>