

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
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State/Country:	NETHERLANDS
Postal Code:	NL-5504 DR

Name:	CARL ZEISS SMT AG
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12230979

CORRESPONDENCE DATA

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PATENT
REEL: 026887 FRAME: 0766

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ATTORNEY DOCKET NUMBER:	081468-0372380
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NAME OF SUBMITTER:	Jean-Paul G. Hoffman
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Fillsbury Winthrop LLP
Intellectual Property Group
P.O. Box 10500
McLean, VA 22102

USA Patent Appin.
Sole or Joint

For Inventions made outside USA
executed with or after application

Atty. Dkt. P 312396 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 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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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
NAME(S) OF
ASSIGNEE(S)
& ADDRESS(ES)

ASML NETHERLANDS B.V.
De Run 6501
NL-5504 DR Veldhoven
The Netherlands

And

INSERT
NAME(S) OF
ASSIGNEE(S)
& ADDRESS(ES)

CARL ZEISS SMT AG
Carl-Zeiss-Strasse 22
73447 Oberkochen
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 data 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, 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 title in and to the invention hereby transferred.

NOTE → → The undersigned hereby authorize(s) Pillsbury Winthrop LLP of the above address to insert herein 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	03/14/05	P. Bickel 03/14/05
4) Name: LOOPSTRA, Erik Roelof		
5) Name: STREEFKERK, Bob		

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(3) GRAUPNER, Paul
(5) STREEFKERK, Bob

(2) BASELMANS, Johannes Jacobus Matheus
(4) LOOPSTRA, Erik Roelof
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And

INSERT
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(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

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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>[Signature]</u>
Name:	<u>MULKENS, Johannes Catharinus Hubertus</u>		<u>Lia Verkuiljen</u>
2):	<u>BASELMANS, Johannes Jacobus Matheus</u>	6/01/2005	<u>[Signature]</u>
Name:	<u>BASELMANS, Johannes Jacobus Matheus</u>		<u>Lia Verkuiljen</u>
3):	<u>GRAUPNER, Paul</u>		
Name:	<u>GRAUPNER, Paul</u>		
4):	<u>LOOPSTRA, Erik Roelof</u>	14 March 2005	<u>[Signature]</u>
Name:	<u>LOOPSTRA, Erik Roelof</u>		<u>Lia Verkuiljen</u>
5):	<u>STREEFKERK, Bob</u>	14 March 2005	<u>[Signature]</u>
Name:	<u>STREEFKERK, Bob</u>		<u>Lia Verkuiljen</u>

PATENT

RECORDED: 09/12/2011

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