



02-23-2005



102946947

Form PTO-1595 (Rev. 06/04)  
OMB No. 0651-0027 (exp. 6/30/2006)U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

2-17-05

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)/Execution Date(s):**CHRISTIAAN ALEXANDER HOOGENDAM  
ERIK ROELOF LOOPSTRA  
BOB STREEFKERKExecution Date(s) 2/16/2005; 2/16/2005; 2/16/2005; 2/07/2005; 1/17/2005Additional name(s) of conveying party(ies) attached? ☒ Yes ☐ No**3. Nature of conveyance:**

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other \_\_\_\_\_

**2. Name and address of receiving party(ies)**Name: ASML NETHERLANDS B.V.

Internal Address: \_\_\_\_\_

Street Address: De Run 6501City: Veldhoven

State: \_\_\_\_\_

Country: The Netherlands Zip: NL-5504 DRAdditional name(s) & address(es) attached? ☒ Yes ☐ No**4. Application or patent number(s):**A. Patent Application No(s)  
10/961,395☐ This document is being filed together with a new application.  
B. Patent No(s)Additional numbers attached? ☐ Yes ☒ No**5. Name and address to whom correspondence concerning document should be mailed:**Name: PILLSBURY WINTHROP LLPInternal Address: P.O. Box 10500Street Address: 1600 Tysons BoulevardCity: McLeanState: VA Zip: 22102Phone Number: (703) 905-2000Fax Number: (703) 905-2500Email Address: jhoffman@pillsburywinthrop.com**6. Total number of applications and patents involved:**7. Total fee (37 CFR 1.21 (h) & 3.41) \$ 40.00

- ☐ Authorized to be charged by credit card  
☒ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

**8. Payment Information**

081468-0312397

Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_Deposit Account Number 033975

Authorized User Name \_\_\_\_\_

**9. Signature:**

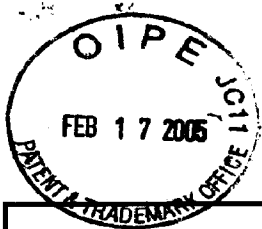
Signature

February 17, 2005  
DateJean-Paul G. Hoffman, Reg. No. 42663  
Name of Person SigningTotal number of pages including cover  
sheet, attachments, and documents: 4Documents 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, V.A. 22313-1450

02/23/2005 00000003 033975 10961395

01 PU:8021 40.00 DR

**PATENT  
REEL: 016277 FRAME: 0379**



ATTACHMENT FOR RECORDATION FORM COVER SHEET  
PATENTS ONLY (Form PTO-1595)

1. Name of conveying party(ies):

BERNARD GELLRICH

ANDREAS WURMBRAND

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

2. Name and address of receiving party(ies)

Name: CARL ZEISS SMT AG

Internal Address: \_\_\_\_\_

Street Address: Carl-Zeiss- Strasse 22

City: Oberkochen State: Germany ZIP: 73447

Name and address of receiving party(ies)

Name: \_\_\_\_\_

Internal Address: \_\_\_\_\_

Street Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ ZIP: \_\_\_\_\_

Additional name(s) & address(es) attached?

☐ Yes ☒ No

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

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached?

☐ Yes ☒ No

Please return signed/recorded to:

Pillsbury Winthrop LLP  
Intellectual Property Group  
P.O. Box 10500  
McLean, VA 22102



USA Patent Appln.  
Sole or Joint

For Inventions made outside USA

executed with or after application

Atty. Dkt. P 312397

P-1723.010-US

M#

Client Ref.

NONPROVISIONAL

ASSIGNMENT

NONPROVISIONAL

## OF NONPROVISIONAL APPLICATION

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) HOOGENDAM, Christiaan Alexander	(2) LOOPSTRA, Erik Roelof
(3) STREEFKERK, Bob	(4) GELLRICH, Bernard
(5) WURMBRAND, Andreas	<input type="checkbox"/> 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  
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 resissues thereof; and all resulting patents, known as

TITLE OF  
INVENTION

LITHOGRAPHIC APPARATUS AND DEVICE MANUFACTURING METHOD

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

NOTE → →

(Complete

line A, B and/or C)

(A) ☐ even date herewith(B) ☐ on(C) ☒ in U.S. Appln. No. 10/961,395 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 hereon any further identification necessary or desirable for recordation of this document.

## INVENTORS

1):  
Name: HOOGENDAM, Christiaan Alexander  
2):  
Name: LOOPSTRA, Erik Roelof  
3):  
Name: STREEFKERK, Bob  
4):  
Name: GELLRICH, Bernard  
5):  
Name: WURMBRAND, Andreas

## DATE SIGNED

16 Feb 2005

16 Feb 2005

16 Feb 2005

## WITNESSES

Lia Verkuijen

Lia Verkuijen

Lia Verkuijen

Lia Verkuijen

16. FEB. 2005 13:10

ASML CIP +31 40 2684870

NR. 823 P. 3

Please return signed/recorded to:

Pillsbury Winthrop LLP  
Intellectual Property Group  
P.O. Box 10500  
McLean, VA 22102

USA Patent Appln.  
Sole or Joint

For Inventions made outside USA  
executed with or after application

Atty. Dkt. P 312397

P-1723.010-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) HOOGEN DAM, Christiaan Alexander	(2) LOOPSTRA, Erik Roelof
	(3) STREEFKERK, Bob	(4) GELLRICH, Bernard
	(5) WURMBRAND, Andreas	<input type="checkbox"/> 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 NAME(S) OF ASSIGNEE(S) & ADDRESS(ES)	ASML NETHERLANDS B.V. De Run 6501 NL-5504 DR Veldhoven The Netherlands
--	---

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

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

NOTE → →

(Complete

line A, B and/or C)

(A) ☐ even date herewith(B) ☐ on(C) ☒ in U.S. Appln. No. 10/961,395

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 hereon any further identification necessary or desirable for recordation of this document.

INVENTORS	DATE SIGNED	WITNESSES
1): Name: HOOGEN DAM, Christiaan Alexander		
2): Name: LOOPSTRA, Erik Roelof		
3): Name: STREEFKERK, Bob		
4): Name: <i>Bernhard Gellrich</i> GELLRICH, Bernard	<i>Feb. 07. 2005</i>	<i>Christiaan Gouda</i>
5): Name: <i>Andreas Wurmb</i> WURMBRAND, Andreas	<i>Mar. 17. 2005</i>	<i>Christiaan Gouda</i>

RECORDED: 02/17/2005

PATENT  
REEL: 016277 FRAME: 0382