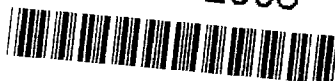


MRD  
3-10-05



03-18-2005

Form PTO-1595 (Rev. 06/04)  
OMB No. 0651-0027 (exp. 6/30/2005)



U.S. DEPARTMENT OF COMMERCE  
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**1. Name of conveying party(ies)/Execution Date(s):**

MAURITS VAN DER SCHAAER  
JEROEN HUIJBREGTSE  
SICCO IAN SCHETS

Execution Date(s) 03/02/05; 03/02/05; 02/18/05; 02/18/05

Additional 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 6501

City: \_\_\_\_\_ Veldhoven

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

Country: The Netherlands Zip: NL-5504 DR

Additional name(s) & address(es) attached? ☒ Yes ☐ No

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

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

11/007,578

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

**5. Name and address to whom correspondence concerning document should be mailed:**

Name: PILLSBURY WINTHROP LLP

Internal Address: P.O. Box 10500

Street Address: 1600 Tysons Boulevard

City: \_\_\_\_\_ McLean

State: \_\_\_\_\_ VA Zip: \_\_\_\_\_ 22102

Phone Number: (703) 905-2000

Fax Number: (703) 905-2500

Email Address: singram@pillsburywinthrop.com

**6. Total number of applications and patents involved:**

1

**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**

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March 10, 2005

Date

Sean L. Ingram, Reg. No. 48283

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Total number of pages including cover sheet, attachments, and documents: 5

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40.00 DA

PATENT  
REEL: 016364 FRAME: 0678

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

**1. Name of conveying party(ies):**

BART LUC SWINNEN

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

☐ Yes ☒ No

**2. Name and address of receiving party(ies)**

Name: IMEC v.z.w.

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

Street Address: Kapeldreef 75

City: Leuven State: Belgium ZIP: B-3001

**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

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McLean, VA 22102

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Atty. Dkt. P 313957

P-1756.010-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) VAN DER SCHAAR, Maurits

(2) HUIJBREGTSE, Jeroen

(3) SCHETS, Sicco Ian

(4) SWINNEN, Bart Luc

(5)

☐ 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)

IMEC v.z.w.

Kapeldreef 75

B-3001 Leuven

Belgium

(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, method of determining a model parameter, device manufacturing method, and device manufactured thereby

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. 11/007,578

filed 9 December 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: VAN DER SCHAAR, Maurits

2): 

Name: HUIJBREGTSE, Jeroen

3):

Name: SCHETS, Sicco Ian

4):

Name: SWINNEN, Bart Luc

5):

Name:

DATE SIGNED

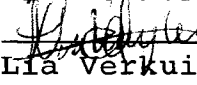
2 march 2005

2 march 2005

WITNESSES



Lia Verkuijen



Lia Verkuijen

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McLean, VA 22102

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M# | Client Ref.

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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) VAN DER SCHAAR, Maurits	(2) HUIJBREGTSE, Jeroen
	(3) SCHETS, Sicco Ian	(4) SWINNEN, Bart Luc
	(5)	<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)	IMEC v.z.w.
	Kapeldreef 75
	B-3001 Leuven
	Belgium

(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, method of determining a model parameter, device manufacturing method, and device manufactured thereby

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

NOTE → → (A) ☐ even date herewith  
(Complete) (B) ☐ on  
line A, B and/or C (C) ☒ in U.S. Appln. No. 11/007,578 filed 9 December 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: VAN DER SCHAAR, Maurits		
2): Name: HUIJBREGTSE, Jeroen		
3): Name: SCHETS, Sicco Ian	18-2-2005	Lia Verkuijen
4): Name: SWINNEN, Bart Luc		
5): Name:		

Please return signed/recorded to:

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	(5)	<input type="checkbox"/> x box if continued on page 2

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

AND  
INSERT IMEC v.z.w.  
NAME(S) OF Kapeldreef 75  
ASSIGNEE(S) B-3001 Leuven  
& ADDRESS(ES) Belgium

(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, method of determining a model parameter, device manufacturing method, and device manufactured thereby

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

NOTE → → (A) ☐ even date herewith  
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INVENTORS	DATE SIGNED	WITNESSES
1): Name: VAN DER SCHAAR, Maurits		
2): Name: HUIJBREGTSE, Jeroen		
3): Name: SCHETS, Sicco Ian		
4): Name: SWINNEN, Bart Luc	Feb 13 <sup>th</sup> 2005	Lia Verkuijen
5): Name:		