U.S. PTO 12/232967 09/26/2008

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Form PTO-1595 (Rev. 08/05) OMB No. 0651-0027 (exp. 6/30/2008)	
	I DOLOGIOZ
	e: Please record the attached documents or the new address(es) below.
1. Name of conveying party(ies) Arjen BOOGAARD	2. Name and address of receiving party(ies) Name: ASML NETHERLANDS B.V.
Timotheus Franciscus SENGERS	
Wilhelmus Sebastianus Marcus Maria KETELAA	ARS
Additional name(s) of conveying party(ies) attached?XYes	No
3. Nature of conveyance/Execution Date(s):	Street Address: De Run 6501
Execution Date(s) See 1 in Addendum	
X Assignment Merger	
Security Agreement Change of Na	me City: Veldhoven
Joint Research Agreement	State:
Government Interest Assignment	
Executive Order 9424, Confirmatory License	Country: The Netherlands Zip: NL-5504 I
Other	Additional name(s) & address(es) attached? Yes X
A. Patent Application No.(s)	This document is being filed together with a new applicat B. Patent No.(s)
Additional num	B. Patent No.(s)
	B. Patent No.(s)
Additional num 5. Name and address to whom correspondenc	B. Patent No.(s) bers attached? Yes XNo e 6. Total number of applications and patents involved: 1
Additional num 5. Name and address to whom correspondenc concerning document should be mailed: Name: <u>PILLSBURY WINTHROP SHAW PITTMAN</u>	B. Patent No.(s)         bers attached?       Yes X No         e       6. Total number of applications and patents involved:         LLP       7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00
Additional num 5. Name and address to whom correspondenc concerning document should be mailed:	B. Patent No.(s)         bers attached?       Yes XNo         e       6. Total number of applications and patents involved:         LLP       1         Total fee (37 CFR 1.21(h) & 3.41) \$40.00         Authorized to be charged by credit card
Additional num 5. Name and address to whom correspondence concerning document should be mailed: Name: <u>PILLSBURY WINTHROP SHAW PITTMAN</u> Internal Address: <u>P.O. Box 10500</u>	B. Patent No.(s)         bers attached?       Yes X No         e       6. Total number of applications and patents involved:         LLP       7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00
Additional num 5. Name and address to whom correspondenc concerning document should be mailed: Name: <u>PILLSBURY WINTHROP SHAW PITTMAN</u>	B. Patent No.(s)         bers attached?       Yes XNo         e       6. Total number of applications and patents involved:         LLP       7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00         Authorized to be charged by credit card         X       Authorized to be charged to deposit account
Additional num 5. Name and address to whom correspondence concerning document should be mailed: Name: <u>PILLSBURY WINTHROP SHAW PITTMAN</u> Internal Address: <u>P.O. Box 10500</u> Street Address: <u>1650 Tysons Boulevard</u>	B. Patent No.(s) bers attached? Yes XNo e 6. Total number of applications and patents involved: LLP 7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00 Authorized to be charged by credit card X Authorized to be charged to deposit account Enclosed
Additional num 5. Name and address to whom correspondence concerning document should be mailed: Name: <u>PILLSBURY WINTHROP SHAW PITTMAN</u> Internal Address: <u>P.O. Box 10500</u> Street Address: <u>1650 Tysons Boulevard</u> City: <u>McLean</u>	B. Patent No.(s)         bers attached?       Yes XNo         e       6. Total number of applications and patents involved:         LLP       7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00         Authorized to be charged by credit card         X       Authorized to be charged by credit card         Enclosed       None required (government interest not affecting         8. Payment Information       081468-0374748
Additional num         5. Name and address to whom correspondence         concerning document should be mailed:         Name: PILLSBURY WINTHROP SHAW PITTMAN         Internal Address: P.O. Box 10500         Street Address: 1650 Tysons Boulevard         City: McLean         State: VA       Zip: 22102	B. Patent No.(s)         bers attached?       Yes XNo         e       6. Total number of applications and patents involved:         LLP       7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00         Authorized to be charged by credit card         X       Authorized to be charged to deposit account         Enclosed       None required (government interest not affecting
Additional num         5. Name and address to whom correspondence         concerning document should be mailed:         Name: PILLSBURY WINTHROP SHAW PITTMAN         Internal Address: P.O. Box 10500         Street Address: 1650 Tysons Boulevard         City: McLean         State: VA       Zip: 22102         Phone Number: (703) 770-7900	B. Patent No.(s)         bers attached?       Yes XNo         e       6. Total number of applications and patents involved:         LLP       7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00         Authorized to be charged by credit card         X Authorized to be charged by credit card         None required (government interest not affecting         8. Payment Information       081468-0374748         a. Credit Card       Last 4 Numbers
Additional num         5. Name and address to whom correspondence         concerning document should be mailed:         Name: PILLSBURY WINTHROP SHAW PITTMAN         Internal Address: P.O. Box 10500         Street Address: 1650 Tysons Boulevard         City: McLean         State: VA       Zip: 22102         Phone Number: (703) 770-7900         Fax Number: (703) 770-7901	B. Patent No.(s)         bers attached?       Yes XNo         e       6. Total number of applications and patents involved:1         LLP       7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00          Authorized to be charged by credit card          Authorized to be charged by credit card          Authorized to be charged to deposit account          Enclosed          None required (government interest not affecting         8. Payment Information       081468-0374748         a. Credit Card       Last 4 Numbers
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Additional num         5. Name and address to whom correspondence         concerning document should be mailed:         Name: PILLSBURY WINTHROP SHAW PITTMAN         Internal Address: P.O. Box 10500         Street Address: 1650 Tysons Boulevard         City: McLean         State: VA       Zip: 22102         Phone Number: (703) 770-7900         Fax Number: (703) 770-7901         Email Address: emily.bell@pijlsburylaw.com         9. Signature:	B. Patent No.(s)         bers attached?       Yes X No         e       6. Total number of applications and patents involved:         LLP       7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00         Authorized to be charged by credit card         X Authorized to be charged by credit card         Enclosed         None required (government interest not affecting         8. Payment Information       081468-0374748         a. Credit Card       Last 4 Numbers         Expiration Date
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Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

ATTACHMENT FOR RECORDA PATENTS ONLY (	
1. Name of conveying party(ies):	
Carolus Ida Maria Antonius SPEE	
Additional name(s) of conveying party(ies) attached?	Yes 🖾 No
2. Name and address of receiving party(ies)	
Name:	
Internal Address:	
Street Address: City: State:	
······································	
Name and address of receiving party(ies)	
Name:	
Internal Address: Street Address:	
City: State:	
Additional name(s) & address(es) attached?	
4. Application number(s) or patent number(s):	
If this document is being filed together with a new application	cation, the execution date of the application is:09/26/08
A. Patent Application No.(s)	B. Patent No.(s)
Additional numbers attached?	Yes 🖾 No

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# Attachment to Form PTO - 1595 Recordation Form Cover Sheet

1. April 27, 2005, May 26, 2005, May 26, 2005, May 26, 2005

PATENT REEL: 021673 FRAME: 0722 ,÷

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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) BOOGAARD, Arjen		(2) SENGERS, Timotheus Franciscus
NAME(S) OF	(3) KETELAARS, Wilhelmus Sebastianus M	arcus Maria	(4) SPEE, Carolus Ida Maria Antonius
INVENTOR(S)	(5)		x box if continued on page 2
the receipt and suffi and transfer(s) unto	ciency of which are hereby acknowledged by the	undersigned who a	It the request of, hereby sell(s), assign(s)
INSERT	ASML NETHERLANDS B.V.		
NAME(S) OF	De Run 6501		
ASSIGNEE(S)	NL-5504 DR Veldhoven		
& ADDRESS(ES)	THE NETHERLANDS		
(hereinatiar designated "AS any and all divisions, contin	SIGNEE") the entire right, little and interest for the United States of unations, substitutes, and reissues thereof; and all resulting patents,	America as defined in 35 U , known as	S.C. 100, in the invention and all applications including
TITLE OF INVENTION	EXPOSURE APPARATUS, COATINGS FOR E DEVICE MANUFACTURING METHOD, AND D		
	for which the undersigned executed an applicat	ion for Letters Pater	nts of the United States of America:
<u>NOTE</u> → → (Complete	(A)		
line A, B and/or C)	(C) 🖂 in U.S. Appln. No. <u>11/033,485</u>	filed	January 12, 2005
said ASSIGNEE, for its inter hereinatter act on behalf of ANi essential by ASSIGNEE to A	) the undersigned hereby agree(s) to testify and execute any pape SSIGNEE'S full protection and title in and to the invention hereby t undersigned hereby authorize(s) Pillsbury Winthrop LLP of the ab	ves; the undersigned agree( rs for ASSIGNEE, its succe ransferred.	(s) that the attorney of record in said application shall ssors, assigns and legal representatives, deemed
INVENT	ORS CMA	DATE SIGNED	WITNESSES
1): 7		27-04-2005	Janaeko Keijzers
Name: BOOGA 2)	ARD, Arjen //		S galero - Keijzeis
Name: SENGE	RS, Timotheus Franciscus		
3)			
Maria	ARS, Wilhelmus Sebastianus Marcus		
4) Name: Name: 5) Name:	arolus Ida Maria Antonius		
Name:			·

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PAT-114 1/

PATENT REEL: 021673 FRAME: 0723 Please return signed/recorded to:

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

USA Patent Appin. Sole or Joint ' Inventions made outside USA
 <u>\_\_\_ecuted with or after application
 Atty Did B 314485
 P\_2172 000-11
</u>

Atty. Dkt. P 314485 P-2172.000-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) BOOGAARD, Arjen	(2) SENGERS, Timotheus Franciscus
NAME(S) OF	(3) KETELAARS, Wilhelmus Sebastianus Marcus Maria	(4) SPEE, Carolus Ida Maria Antonius
INVENTOR(S)	(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	ASML NETHERLANDS B.V.
NAME(S) OF	De Run 6501
ASSIGNEE(S)	NL-5504 DR Veldhoven
& ADDRESS(ES)	THE NETHERLANDS

(hereinater 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** EXPOSURE APPARATUS, COATINGS FOR EXPOSURE APPARATUS, LITHOGRAPHIC APPARATUS, INVENTION DEVICE MANUFACTURING METHOD, AND DEVICE MANUFACTURED THEREBY for which the undersigned executed an application for Letters Patents of the United States of America: NOTE  $\rightarrow \rightarrow$ (A) certain even date herewith (Complete (B) 🔲 on line A, B and/or C) (C) 🔀 in U.S. Appin. No. 11/033,485 filed January 12, 2005 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 legals 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 testily and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deerned essential by ASSIGNEE to ASSIGNEE'S full protection and title in and to the Invention hereby transferred. The undersigned hereby authorize(s) Pillsbury Winthrop LLP of the above address to insent hereon any further identification necessary or desirable for <u>NOTE</u>  $\rightarrow \rightarrow$ recordation of this document.

۹.).	INVENTORS	DATE SIGNED	WITNESSES
1): Name: 2)	BOOGAARD, Arjen	26 May 2005	OH
Name:	SENGERS, Timotheus Franciscus	· ·	Jameke Keijzers
Name:	KETELAARS, Wilhelmus Sebastianus Marcus Maria		OP
4) Name: Name: 5) Name:	SPEE, Carolus Ida Maria Antonius	26 May 2005	Janneke Keijzers
Name:	<u></u>	· · · · · · · · · · · · · · · · · · ·	

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PAT-114 1/0

PATENT REEL: 021673 FRAME: 0724

#### Please return signed/recorded to:

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

Inventions made outside USA ecuted with or after application Atty. Dkt. P 314485 P-2172.000-US M# Client Ref.

NONPROVISIONAL

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#### USA Patent Appln. Sole or Joint

NONPROVISIONAL

### ASSIGNMENT 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	(1) BOOGAARD, Arjen	(2) SENGERS, Timotheus Franciscus
NAME(S) OF	(3) KETELAARS, Wilhelmus Sebastianus Marcus Maria	(4) SPEE, Carolus Ida Maria Antonius
INVENTOR(S)	(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	ASML NETHERLANDS B.V.
NAME(S) OF	De Run 6501
ASSIGNEE(S)	NL-5504 DR Veldhoven
& ADDRESS(ES)	THE NETHERLANDS

(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

EXPOSURE APPARATUS, COATINGS FOR EXPOSURE APPARATUS, LITHOGRAPHIC APPARATUS, DEVICE MANUFACTURING METHOD, AND DEVICE MANUFACTURED THEREBY

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

DATE SIGNED

filed

January 12, 2005

WITNESSES

<u>NOTE</u> $\rightarrow \rightarrow$	(A) 🔲 even date herewith	
(Complete	(B) 🔲 on	
line A, B and/or C)	(C) X in U.S. Appln. No.	11/033,485

•	
	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, to	or its interest as ASSIGNEE, its successors, assigns and legals 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, deerned essential by ASSIGNEE to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

<u>NOTE</u>  $\rightarrow \rightarrow$ 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.

IN	VE	<u>NTC</u>	) <u>RS</u>

....

1):			
Name:	BOOGAARD, Arjen	·	
2) Name: 3) Name:	SENGERS, Timotheus Franciscus KETELAARS, Wilhelmus Sebastianus Marcus Maria	. <u>26 May 2005</u>	Janneke Keijzers
4) Name: Name:	SPEE, Carolus Ida Maria Antonius		
5) Name: Name:			

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PAT-114 1/

PATENT REEL: 021673 FRAME: 0725

**RECORDED: 09/26/2008**