orm PTO-1595 (Rev. (06/04) DMB No. 0651-0027 (exp. 6/30/2005)	
RECORDATION	RM COVER SHEE TS ONLY 102978920
To the Director of the U.S. Patent and Trademark Office: Plea	
I. Name of conveying party(ies)/Execution Date(s): CHRISTIAN WAGNER WILHELMUS PETRUS DE BOEIJ TILMANN HEIL	2. Name and address of receiving party(ies) Name: <u>ASML NETHERLANDS, B.V.</u> Internal Address:
Execution Date(s) <u>March 11, 15, 11 and 11, 2005</u> Additional name(s) of conveying party(ies) attached?XYes	- Street Address: <u>De Run 6501</u>
3. Nature of conveyance: X Assignment Security Agreement Change of Name	City: NL-5504 DR Veldhoven State:
Government Interest Assignment Executive Order 9424, Confirmatory License	State: Country: The Netherlands Zip:
Other	Additional name(s) & address(es) attached? X Yes s document is being filed together with a new applicati B. Patent No.(s)
Other Application or patent number(s): This A. Patent Application No.(s) 11/022,938 Additional numbers 5. Name and address to whom correspondence	attached? Yes No 6. Total number of applications and patents
Other 4. Application or patent number(s): This A. Patent Application No.(s) 11/022,938 Additional numbers 5. Name and address to whom correspondence concerning document should be mailed:	attached? Yes No 6. Total number of applications and patents involved: 1
Other Application or patent number(s): This A. Patent Application No.(s) 11/022,938 Additional numbers 5. Name and address to whom correspondence	 attached? Yes No 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
Other Other A. Application or patent number(s): This A. Patent Application No.(s) 11/022,938 Additional numbers Additional numbers S. Name and address to whom correspondence concerning document should be mailed: Name: PILLSBURY WINTHROP LLP	attached? Yes No 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 X Authorized to be charged to deposit account
Other Application or patent number(s): This A. Patent Application No.(s) 11/022,938 Additional numbers Additional numbers Additional numbers Name and address to whom correspondence concerning document should be mailed: Name: <u>PILLSBURY WINTHROP LLP Internal Address: P.O. Box 10500 Street Address: 1600 Tysons Boulevard </u>	attached? Yes No 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 X Authorized to be charged to deposit account Enclosed None required (government interest not affecting times) 8. Payment Information
Other Other A. Application or patent number(s): This A. Patent Application No.(s) 11/022,938 Additional numbers Additional numbers S. Name and address to whom correspondence concerning document should be mailed: Name: PILLSBURY WINTHROP LLP Internal Address: P.O. Box 10500	attached? Yes No 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 X Authorized to be charged to deposit account Enclosed None required (government interest not affecting times) 8. Payment Information
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Other 4. Application or patent number(s): This A. Patent Application No.(s) 11/022,938 Additional numbers 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) 905-2500 Fax Number: (703) 905-2500	attached? Yes No 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 X Authorized to be charged to deposit account Enclosed None required (government interest not affecting till to the charged to deposit account to the charged to the charged to deposit account to the charged to t
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Other 4. Application or patent number(s): This A. Patent Application No.(s) 11/022,938 Additional numbers 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) 905-2500 Fax Number: (703) 905-2500	attached? Yes No 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 X Authorized to be charged to deposit account Enclosed None required (government interest not affecting till 8. Payment Information 081468-0314265 Credit Card Last 4 Numbers Expiration Date Deposit Account Number 033975

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ATTACHMENT FOR RECORD PATENTS ONLY		
1. Name of conveying party(ies):		
DAMIAN FIOLKA		
Additional name(s) of conveying party(ies) attached?	🖵 Yes 🏝 No	
2. Name and address of receiving party(ies) Name: Carl Zeis SMT AG		
Internal Address:		
Street Address: Carl Zeis Strasse 22		
City: 73447 Oberkochen, Germany State:	ZIP:	
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 appli	cation, the execution da	ate of the application is:
A. Patent Application No.(s)	B. Pate	nt No.(s)
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	<u> </u>	<u> </u>
	<u> </u>	·······
Additional numbers attached?	🖵 Yes 🎦 No	

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Atty. Dkt. P 314265 P-2137.000-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) WAGNER, Christian	(2) DE BOEIJ, Wilhelmus Petrus
NAME(S) OF	(3) HEIL, Tilmann	(4) FIOLKA, Damian
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.	Carl Zeis SMT AG
NAME(S) OF	De Run 6501	Carl Zeis Strasse 22
ASSIGNEE(S)	NL-5504 DR Veldhoven	73447 Oberkochen
& ADDRESS(ES)	THE NETHERLANDS	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 POLARIZED RADIATION IN LITHOGRAPHIC APPARATUS AND DEVICE MANUFACTURING METHOD

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

$\underline{NOTE} \rightarrow \rightarrow$	(A) 🔲 even date herewith			
(Complete	(B) 🔲 on			
line A, B and/or C)	(C) 🖾 in U.S. Appln. No.	11/022,938	filed	December 28, 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 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, deemed essential by ASSIGNEE to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

 $\underbrace{\text{NOTE}}_{\text{recordation of this document.}}$ 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.

4	INVENTORS	DATE SIGNED	WITNESSES HE
1):		M. 3. 01	H HIT HITWI
Name:	WAGNER, Christian	IT 2 . T	Eig Verkuijlen
2)	HOXI	15.3.05	L. Josephilde
Name:	DE BOEIJ, Wilhelmus Petrus		- Weikuijlen
3)			\sim
Name:	HEIL, Tilmann		
4) Name:			
Name:	FIOLKA, Damian		
5) Name:			
Name:			

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 $NOTE \rightarrow \rightarrow$ 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.

1):	INVENTORS	DATE SIGNED	WITNESSES
Name: 2)	WAGNER, Christian		
Name: 3)	DE BOEIJ, Wilhelmus Petrus		Lia Verkuijlen
Name: 4) Name:	HEIL, Tilmann	2005/03/11	Vilman Kiel
Name: 5) Name:	FIOLKA, Damian		
Name:			

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NAME(S) C	DF	(3) HEIL, Tilmann		(4	1) FIOLKA, Damian
INVENTOR	2(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.		Carl Zei	s SMT AG
NAME(S) O)F	De Run 6501		Carl Zei	s Strasse 22
ASSIGNEE	E(S)	NL-5504 DR Veldhoven			erkochen
& ADDRES	SS(ES)	THE NETHERLANDS		GERMANY	· · · · · · · · · · · · · · · · · · ·
		SIGNEE") the entire right, title and interest fi uations, substitutes, and reissues thereof; a			C. 100, in the invention and all applications including
TITLE OF	1	POLARIZED RADIATION IN L	ITHOGRAPHIC APP	ARATUS AND DE	EVICE MANUFACTURING METHOD
<u>NOTE</u> → → (Complete line A, B an		(A) 🗌 even date herewith (B) 🔲 on	cuted an application	for Letters Patents	of the United States of America:
			11022,550	IIIeu	December 20, 2004
hereinafter act	E, for its inter t on behalf of AN SSIGNEE to / The	rest as ASSIGNEE, its successors, assigns a said ASSIGNEE; D the undersigned hereby agree(s) to testify ASSIGNEE'S full protection and title in and to a undersigned hereby authorize(s) Pillsbury	and legals representatives; t and execute any papers for b the invention hereby transt	ne undersigned agree(s) ASSIGNEE, its successo erred.	is and Trademarks to issue said Letters Patent to the that the attorney of record in said application shall ors, assigns and legal representatives, deemed any further identification necessary or desirable for
4).	INVENT	ORS	DA	TE SIGNED	<u>WITNESSES</u>
1): Nomo:		ER, Christian			
Name: 2)	WAGIN	r, onnsuan			
Name: . 3)	DE BOB	EIJ, Wilhelmus Petrus	<u> </u>	<u> </u>	<u> </u>
Name:	HEIL, T	ilmann			
4) Name:		amian Fieldca	Ma	ril 11,2005	(V) Hande
Name:		, Damian	<u></u> <u>/10</u>		Lin Verkuijlen
5) Name:					

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PAT-114 1/00

PATENT REEL: 016445 FRAME: 0467

RECORDED: 04/07/2005