	HEET S ONLY	University of Parameter (1991) and providing a second
TO THE ASSISTANT COMMISSIO 102107212		
SIR: PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF.		
1. NAME OF CONVEYING PARTY(IES) (ASSIGNORS(2)). 1. Gert-Jan HEERENS	2. Erik Leonardus HAM	
3. Bastiaan Lambertus Wilhelmus Marinus VAN DE VEN	4.	
5. 5-24-02 B MAY 1 2002	6. 8.	
ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? YES NO		
2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST: NAME: ASML NETHERLANDS B.V.		
ADDRESS: De Run 1110, NL-5503 LA Veldhoven, The Netherlands		
ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? ☐YES ⊠NO		
NATURE OF CONVEYANCE (DOCUMENT):     (Submit herewith only one document for recordation—multiple copies of same Assignment signed by different inventors is one		
document)		
SASSIGNMENT OF SWHOLE SPART INTER	REST EXEC. DATE: May	<i>t</i> 22, 2002
☐ORIGINAL ☐FACSIMILE/PHOTOCOPY ☐CHANGE OF NAME ☐VERIFIED TRANSLATION		
SECURITY MERGER OTHER:		
EXECUTION DATE(S) ON THE DECLARATION IF FILED HERE ASSIGNMENT DIFFER SEE ATTY!) May 22, 2002	WITH: ( <u>NOTE</u> : IF DATES ON DEC	LARATION AND
4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONALS	SHEET(S) attached?  \( \square\)YES \( \square\)N	10
A. PAT. APP. NO.(S)   M#   1st INVENTOR	B. PATENT NO(S) M#	1st INVENTOR
		AND
series code/serial no if not in item 1		if not in item 1
series code/serial no if not in item 1 10/084,656 290724  5. Name & Address of Party to Whom Correspondence	6. NUMBER INVOLVED:	if not in item 1
10/084,656 290724	6. NUMBER INVOLVED: APPLNS 1 + PATS 0 = TO	if not in Item 1
10/084,656 290724  5. Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed:  Pillsbury Winthrop LLP	APPLNS $\underline{1}$ + PATS $\underline{0}$ = TO 7. AMOUNT OF FEE DUE: (Cod	<b>if not in item 1</b> TAL = 1
10/084,656 290724  5. Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed:  Pillsbury Winthrop LLP Intellectual Property Group	APPLNS 1 + PATS 0 = TO	if not in item 1
10/084,656 290724  5. Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed:  Pillsbury Winthrop LLP	APPLNS $\underline{1}$ + PATS $\underline{0}$ = TO 7. AMOUNT OF FEE DUE: (Cod	if not in item 1
10/084,656 290724  5. Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed:  Pillsbury Winthrop LLP Intellectual Property Group 1600 Tysons Boulevard	APPLNS 1 + PATS 0 = TO  7. AMOUNT OF FEE DUE: (Cod ABOVE TOTAL x \$40 = \$40	TAL = 1 e 581)
10/084,656  290724  5. Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed:  Pillsbury Winthrop LLP Intellectual Property Group 1600 Tysons Boulevard McLean, VA 22102  5.5ATTY DKT:	APPLNS 1 + PATS 0 = TO  7. AMOUNT OF FEE DUE: (Cod ABOVE TOTAL x \$40 = \$40  8. PLEASE CHARGE TO OUR DEFNUMBER: 03-3975	TAL = 1 e 581)
10/084,656 290724  5. Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed:  Pillsbury Winthrop LLP Intellectual Property Group 1600 Tysons Boulevard McLean, VA 22102  5.5ATTY DKT:  P 290724 P-0241.010-US MATTER NO. CLIENT REF.	APPLNS 1 + PATS 0 = TO  7. AMOUNT OF FEE DUE: (Cod ABOVE TOTAL x \$40 = \$40  8. PLEASE CHARGE TO OUR DEF NUMBER: 03-3975 UNDER ORDER NO 814 dup. sheet not required CLIEN	If not in Item 1
10/084,656  290724  5. Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed:  Pillsbury Winthrop LLP Intellectual Property Group 1600 Tysons Boulevard McLean, VA 22102  5.5ATTY DKT:  P 290724  P-0241.010-US MATTER NO. CLIENT REF.  9. To the best of my knowledge and belief, the foregoing information of the concerning of the concerning property of the concerning prope	APPLNS 1 + PATS 0 = TO  7. AMOUNT OF FEE DUE: (Cod ABOVE TOTAL x \$40 = \$40  8. PLEASE CHARGE TO OUR DEF NUMBER: 03-3975 UNDER ORDER NO 814 dup. sheet not required CLIEN	If not in item 1
10/084,656 290724  5. Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed:  Pillsbury Winthrop LLP Intellectual Property Group 1600 Tysons Boulevard McLean, VA 22102  5.5ATTY DKT:  P 290724 P-0241.010-US MATTER NO. CLIENT REF.	APPLNS 1 + PATS 0 = TO  7. AMOUNT OF FEE DUE: (Cod ABOVE TOTAL x \$40 = \$40  8. PLEASE CHARGE TO OUR DEF NUMBER: 03-3975 UNDER ORDER NO 814 dup. sheet not required CLIEN	If not in Item 1
10/084,656  290724  5. Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed:  Pillsbury Winthrop LLP Intellectual Property Group 1600 Tysons Boulevard McLean, VA 22102  5.5ATTY DKT:  P 290724  P-0241.010-US MATTER NO. CLIENT REF.  9. To the best of my knowledge and belief, the foregoing information of the concerning of the concerning property of the concerning prope	APPLNS 1 + PATS 0 = TO  7. AMOUNT OF FEE DUE: (Cod ABOVE TOTAL x \$40 = \$40  8. PLEASE CHARGE TO OUR DEFNUMBER: 03-3975 UNDER ORDER NO 814 dup. sheet not required CLIEN tion is true and correct and any attack.	TAL = 1 e 581)  POSIT ACCOUNT 168 290724 1T NO. MATTER NO. 169 ached copy is a true copy of 169 169 ing this
10/084,656  290724  5. Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed:  Pillsbury Winthrop LLP Intellectual Property Group 1600 Tysons Boulevard McLean, VA 22102  5.5ATTY DKT:  P 290724  P-0241.010-US MATTER NO. CLIENT REF.  9. To the best of my knowledge and belief, the foregoing information of the concerning of the concerning property of the concerning prope	APPLNS 1 + PATS 0 = TO  7. AMOUNT OF FEE DUE: (Cod ABOVE TOTAL x \$40 = \$40  8. PLEASE CHARGE TO OUR DEFNUMBER: 03-3975 UNDER ORDER NO 814 dup. sheet not required CLIENtion is true and correct and any attachments and documents	TAL = 1 e 581)  POSIT ACCOUNT 168 290724 1T NO. MATTER NO. 168 ached copy is a true copy of 169 ing this
10/084,656  290724  5. Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed:  Pillsbury Winthrop LLP Intellectual Property Group 1600 Tysons Boulevard McLean, VA 22102  5.5ATTY DKT:  P 290724  P-0241.010-US  MATTER NO.  CLIENT REF.  9. To the best of my knowledge and belief, the foregoing informathe original document.	APPLNS 1 + PATS 0 = TO  7. AMOUNT OF FEE DUE: (Cod ABOVE TOTAL x \$40 = \$40  8. PLEASE CHARGE TO OUR DEFNUMBER: 03-3975 UNDER ORDER NO 814 dup. sheet not required CLIEN tion is true and correct and any attack.	TAL = 1 e 581)  POSIT ACCOUNT 168 290724 1T NO. MATTER NO. 168 ached copy is a true copy of 169 ing this
10/084,656  290724  5. Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed:  Pillsbury Winthrop LLP Intellectual Property Group 1600 Tysons Boulevard McLean, VA 22102  5.5ATTY DKT:  P 290724  P-0241.010-US MATTER NO. CLIENT REF.  9. To the best of my knowledge and belief, the foregoing information of the concerning of the concerning property of the concerning prope	APPLNS 1 + PATS 0 = TO  7. AMOUNT OF FEE DUE: (Cod ABOVE TOTAL x \$40 = \$40  8. PLEASE CHARGE TO OUR DEF NUMBER: 03-3975 UNDER ORDER NO 814 dup. sheet not required CLIEN tion is true and correct and any attachments and doc (do not file dup. Cover sheet)	TAL = 1 e 581)  POSIT ACCOUNT 168 290724 1T NO. MATTER NO. 169 ached copy is a true copy of 169 169 ing this
10/084,656  5. Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed:  Pillsbury Winthrop LLP Intellectual Property Group 1600 Tysons Boulevard McLean, VA 22102  5.5ATTY DKT:  P 290724  P-0241.010-US  MATTER NO.  CLIENT REF.  9. To the best of my knowledge and belief, the foregoing informathe original document.  Signature  Attorney: Jack S. Barufka  Reg. No. 37087	APPLNS 1 + PATS 0 = TO  7. AMOUNT OF FEE DUE: (Cod ABOVE TOTAL x \$40 = \$40  8. PLEASE CHARGE TO OUR DEFNUMBER: 03-3975 UNDER ORDER NO 814 dup. sheet not required CLIENtion is true and correct and any attachments and doc (do not file dup. Cover sheet)  Date: May 24, 2002	TAL = 1 e 581)  POSIT ACCOUNT 168 290724 1T NO. MATTER NO. 169 ached copy is a true copy of 169 169 ing this
10/084,656  5. Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed:  Pillsbury Winthrop LLP Intellectual Property Group 1600 Tysons Boulevard McLean, VA 22102  5.5ATTY DKT:  P 290724  P-0241.010-US  MATTER NO.  CLIENT REF.  9. To the best of my knowledge and belief, the foregoing informathe original document.  Signature  Attorney: Jack S. Barufka Reg. No. 37087  Atty/Sec: JSB/rsp  TEL: (703) 905-2012	APPLNS 1 + PATS 0 = TO  7. AMOUNT OF FEE DUE: (Cod ABOVE TOTAL x \$40 = \$40  8. PLEASE CHARGE TO OUR DEF NUMBER: 03-3975 UNDER ORDER NO 814 dup. sheet not required CLIEN tion is true and correct and any attachments and doc (do not file dup. Cover sheet)	TAL = 1 e 581)  POSIT ACCOUNT 168 290724 1T NO. MATTER NO. 169 ached copy is a true copy of 169 169 ing this

05/31/2002 LMUELLER 00000025 033975 10084656

01 FC:581

40.00 CH

PATENT

REEL: 012929 FRAME: 0962

Please return signed/recorded to:

Pillsbury Winthrop LLP Intellectual Property Group 1600 Tysons Boulevard McLean, VA 22102

USA Patent Appin. Sole or Joint

For Inventions made outside USA executed with or after application Atty. Dkt. P 290724 P-0241.010-US Client Ref

## NONPROVISIONAL

## **ASSIGNMENT**

NONPROVISIONAL

OF NONPROVISIONAL APPLICATION			
In consideration of the sum of Ten Dollars (\$10.00) and the undersigned, to wit:	d other good and valuable consideration paid to each of		
INSERT (1) Gert-Jan HEERENS	(2) Erik Leonardus HAM		
NAME(S) OF (3) Bastisan Lambertus Wilhelmus Marinus VAN	DE VEN (4)		
INVENTOR(S) (5)	x box if continued on page 2		
the receipt and sufficiency of which are hereby acknowledged by the und and transfer(s) unto:	deraigned who at the request of, hereby sell(s), easign(s)		
INSERT ASML NETHERLANDS B.V.			
AME(S) OF De Run 1110			
ASSIGNEE(S) NL-5503 LA Veldhoven			
& ADDRESS(ES) The Netherlands			
(hereinafter designated *ASSIGNEE") the entire right, tille and interest for the United States of Amer any and all divitions, continuations, substitutes, and releases thereof; and all reculting patents, know	rica ae defined in 35 U.S.C. 100, in the invention and all applications including vn as		
TITLE OF INVENTION MASK HANDLING METHOD, AND MASK AND DEVICE THEREFOR, DEVICE MANUFACTURING METHOD A	E OR APPARATUS COMPRISING A GRIPPER ND 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 (C) (C) in U.S. Appln. No. 10/084,656 and/or C)	filed February 28, 2002		
said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legals representatives: ti	= Commissioner of Patents and Trademarks to issue seld Leiters Patent in the he undersigned agree(s) that the attampy of record in cald application shall		
harologiter action behalf of said ASSICNEE; AND like understying hardly agree(s) to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed			
essential by ASSIGNEE to ASSIGNEE's full principle in and to the invention hereby itansferred.  NOTE   The undersigned hereby sultiprize(s) Pilisbury Winthrop LLP of the above address to insert bereon any further identification necessary or desirable for			
recordation of this document	locreas to many meteon any minner inegripication necessary of dealrable for		
1):	DATE SIGNED WITNESSES		
Name: Gert-Jan HEERENS	22 May 2002 Marieke van Geffen		
2)	Marieke van Geffen		
Name: Erik Loonardus HAM	Marieke van Geffen		
3)	22 May 2002		
Name: Bastlaan Lambertus Wijh Marinus VAN DE VEN 4)	Marieke van Geffen		
Name:			
5)			
Name:			

P-0241 OIG-US Assignment

**RECORDED: 05/24/2002** 

PAT-114 1/00

**PATENT** REEL: 012929 FRAME: 0963