U.S. PTO 12/805852 08/20/2010

1 100101 14001 (0.0000)			
To the Director of the U.S. Patent and	3605912	uments or the new address(es) below.	
1. Name of conveying party(ies)	2. Name and a	ddress of receiving party(ies)	
Arie Jeffrey Maria DEN BOEF, Arno Jan BLEEKER, Youri Johan Laurentius Maria VAN DOMMELEN, Mircea DUSA, Antoine Ga Marie KIERS, Paul Frank LUEHRMANN, Henricus Petrus Maria PELLEMANS, Maurits VAN DER SCHAAR, Cedric Desire GROUWSTRA and Markus Gerardus Martinus VAN KRAAIJ	Internal Addres	Netherlands B.V.	
Additional name(s) of conveying party(ies) attached? Yes 3. Nature of conveyance/Execution Date(s): 1/22/2005, 11/22/2005, 11/22/2005, 10/24/2005, 11/22/2005, 11/22/2005, 11/22/2005 Execution Date(s) 11/22/2005 11/22/2005 11/22/2005 X Assignment 1/22/2005 and 11/22/2005 Merger	Street Address	Street Address: <u>De Run 6501</u>	
Security Agreement Change of Nam Joint Research Agreement		City: Veldhoven State:	
Government Interest Assignment Executive Order 9424, Confirmatory License	Country: The Netherlands Zin: NI 5504 DR		
A. Patent Application No.(s) To be assigned	B. Patent N	•	
	ers attached? Yes		
Name and address to whom correspondence concerning document should be mailed:	6. Total number involved: 1	6. Total number of applications and patents involved: 1	
Name: Sterne, Kessler, Goldstein & Fox P.L.L.	7. Total fee (37	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00	
Internal Address: c/o	I =	Authorized to be charged to deposit account	
Street Address: 1100 New York Avenue, N.W.	X Enclosed None requ	None required (government interest not affecting title)	
City: Washington	8. Payment In		
State: D.C. Zip: 20005-393	4	1005	
Phone Number:		08/2013	
Fax Number:	Deposit Ad	ccount Number 19-0036	
Email Address:	Authorize	Authorized User Name	
9. Signature: 8/20/16		8/20/16 Date	
Cignatria	43,447 7		

REEL: 024928 FRAME: 0926

PATENT

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NONPROVISIONAL

USA Patent Appln. Sole or Joint

or Inventions made outside USA executed with or after application Atty. Dkt. P317165 P-1960.010-US Client Ref.

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: Arno Jan BLEEKER INSERT (1) Arie Jeffrey DEN BOEF NAME(S) OF (3) Youri Johannes Laurentius Maria VAN (4) Mircea DUSA DOMMELEN (6) Paul Frank LUEHRMANN INVENTOR(S) (5) Antoine Gaston Marie KIERS (7) Henricus Petrus Maria PELLEMANS 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 TITLE OF METHOD AND APPARATUS FOR ANGULAR-RESOLVED SPECTROSCOPIC LITHOGRAPHY INVENTION CHARACTERIZATION for which the undersigned executed an application for Letters Patents of the United States of America: NOTE \rightarrow (A) even date herewith (Complete (B) on line A, B and/or C) (C) 🔀 in U.S. Appln. No. 11/203,418 filed August 15, 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 behall 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 1): 22/2005 Annemi wan den Bergh Name: Arie Jéffrèv DEN 2) <u>11/22/2005</u> Arno Jan BLEEKER Name: *y*an den Bergh Anneg 3) 11/22/2005 Yourl Johannes Laurentius Maria VAN DOMMELEN Name: van den Bergh 4) Name: Mircea DUSA 5) 11/22/2005 Name: Antoine Gaston Marie KIERS Annemiek den Bergh

N_VIRGINIA_30556956_1

Paul Frank LUEHRMANN

6)

Name:

PAT-114 1/00

ADDITIONAL INVENTORS CONTINUED FROM TOP OF FIRST PAGE:

(8) Maurits VAN DER SCHAAR	(9) Cedric Desire GROUWSTRA
(10) Markus Gerardus Martinus VAN KRAAIJ	

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P-1960 010-US 1

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: _/ Inventions made outside USA				
executed with or after application				
Atty. Dkt. P317165	P-1960.010-US			
M#	Client Ref.			

ASSIGNMENT
OF NONPROVISIONAL APPLICATION

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In consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration paid to each of the undersigned, to wit: (2) Arno Jan BLEEKER INSERT (1) Arie Jeffrey DEN BOEF (4) Mircea DUSA (3) Youri Johannes Laurentius Maria VAN NAME(S) OF DOMMELEN (6) Paul Frank LUEHRMANN INVENTOR(S) (5) Antoine Gaston Marie KIERS x box if continued on page 2 (7) Henricus Petrus Maria PELLEMANS 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. De Run 6501 NAME(S) OF NL-5504 DR Veldhoven ASSIGNEE(S) The Netherlands & ADDRESS(ES) (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 METHOD AND APPARATUS FOR ANGULAR-RESOLVED SPECTROSCOPIC LITHOGRAPHY INVENTION CHARACTERIZATION for which the undersigned executed an application for Letters Patents of the United States of America: NOTE $\rightarrow \rightarrow$ (A) even date herewith (Complete (B) 🔲 on 11/203,418 August 15, 2005 line A, B and/or C) (C) 🔯 in U.S. Appln. No. filed 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. The undersigned hereby authorize(s) Pilisbury Winthrop LLP of the above address to insert hereon any further identification necessary or desirable for $NOTE \rightarrow \rightarrow$ recordation of this document. DATE SIGNED WITNESSES INVENTORS 1): Arie Jeffrey DEN BOEF Name: 2) Arno Jan BLEEKER Name: 3) Name: Youri Johannes Laurentius Maria VAN DOMMELEN 02.24,2001 4) Mircea DUSA Name: 5) Antoine Gaston Marie KIERS Name: 6) Paul Frank LUEHRMANN Name:

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11/22/2005

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Antoine Gaston Marie KIERS

Paul Frank LUEHRMANN

Name:

Name:

6)

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van den Bergh

Annemiek

REEL: 024928 FRAME: 0930

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7)	1 star	11/22/2005	Annemiek van den Bergh
Name:	Henricus Petrus Maria PELLEMANS	_	Mand
8)	4444	11/22/2005	1913/12/N
Name:	Maurits VAN DER SCHAAR		Annemiek van den Bergh
9)	CAON	11/22/2005	Annemiek van den Bergh
Name:	Cedric Desire GROUWSTRA		
10)	Markforers	11/22/2005	Annemiek van den Bergh
Name:	Markus Gerardus Martinus VAN KRAAIJ		Annemier van den bergn

PAT-114 1/00

RECORDED: 08/20/2010