# 506709717 06/10/2021

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6756536

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
CHRISTIAAN OTTEN	12/10/2020
PETER-PAUL CRANS	09/28/2020
MARC SMITS	09/23/2020
LAURA DEL TIN	09/23/2020
CHRISTAN TEUNISSEN	12/10/2020
YANG-SHAN HUANG	09/23/2020
STIJN, WILEM, HERMAN, KAREL STEENBRINK	09/23/2020
XUERANG HU	10/04/2020
QINGPO XI	12/07/2020
XINAN LUO	12/07/2020
XUEDONG LIU	12/07/2020

### **RECEIVING PARTY DATA**

Name:	ASML NETHERLANDS B.V.
Street Address:	P.O. BOX 324
City:	VELDHOVEN
State/Country:	NETHERLANDS
Postal Code:	5500 AH

## **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	17344446

## **CORRESPONDENCE DATA**

**Fax Number:** (650)849-6666

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

**Phone:** (650)849-6600

**Email:** jasmine.trowbridge@finnegan.com

Correspondent Name: FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER LLP

Address Line 1: 901 NEW YORK AVENUE, NW Address Line 4: WASHINGTON, D.C. 20001

PATENT REEL: 056506 FRAME: 0125

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JASMINE TROWBRIDGE	
/Jasmine Trowbridge/	
06/10/2021	
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PATENT REEL: 056506 FRAME: 0126

For Administrative Purposes			
Assignee's internal reference:	2019P00380-GN		
Counterpart or related patent application of, or	Country, filing date & application number:	initials of administrator and data:	
for, the assigned subject matter below:			

### **ASSIGNMENT**

In consideration of good and valuable consideration received by the ASSIGNOR(s), namely:

# NAME(S) OF ASSIGNOR(S)

(1)	Christiaan OTTEN	(2)	Peter-Paul CRANS
(3)	Marc SMITS	(4)	Laura DEL TIN
(5)	Christan TEUNISSEN	(6)	Yang-Shan HUANG
(7)	Stijn, Wilem, Herman, Karel		
	STEENBRINK		

the receipt and sufficiency of which are acknowledged by the ASSIGNOR(s), the ASSIGNOR(s) hereby sell(s), assign(s) and transfer(s) unto:

NAME OF ASSIGNEE and ADDRESS

ASML Netherlands B.V.
P.O. Box 324
5500 AH Veldhoven
The Netherlands

and its or their successors, assigns and legal representatives (together and individually hereinafter "ASSIGNEE") and, to the extent already assigned or transferred to ASSIGNEE by operation of law or by a general obligation between the ASSIGNOR(s) and ASSIGNEE, the ASSIGNOR(s) hereby confirm(s) and formalize(s) the assignment and transfer to ASSIGNEE of the entire and exclusive right, title and interest for all countries, regions, territories, and other jurisdictions throughout the world, in, to and under the invention(s), improvements thereof, and all patent applications, provisional and non-provisional, (including without limitation all patent applications claiming priority and/or benefit, including without limitation all divisional, continuation, continuation-in-part, substitute, renewal and reissue applications), patents (including without limitation extensions, reissues and renewals thereof), and other intellectual property protection (including without limitation all utility models, designs and inventor certificates, and applications, extensions, renewals and reissues for the same) therefor, together with, though not in any way of limitation, all rights of priority under the International Convention for the Protection of Industrial Property and all other laws and international agreements, the right to apply for patents in ASSIGNEE's name(s), and all rights to bring suit, collect damages and settle suits for past, present or future infringements thereof, known as

# TITLE OF THE INVENTION

Country Date	Country abbreviation	Application number	~~~~~	
Europe 22.Sep.2020	EP	20197510.9		
for which a patent application was executed and/or filed for:				
REPLACEABLE MODULE FOR A CHARGED PARTICLE APPARATUS				

AND the ASSIGNOR(s) hereby authorize(s) and request(s) any government agency, office or official whose duty includes issuing patents or other evidence or forms of intellectual property protection on or for the aforesaid invention(s) and application(s) (including, without limitation, all applications filed in or for China, Europe, Japan, Korea, the Netherlands, United Kingdom, Germany, France, Italy, Taiwan, Singapore and the United States), to issue the same to ASSIGNEE, as the assignee(s) of all rights, title, interests thereto and/or as the applicant(s) therefor;

AND the ASSIGNOR(s) agree(s) that the attorney of record in the aforesaid application(s) shall hereinafter act on behalf of ASSIGNEE;

AND the ASSIGNOR(s) acknowledge(s) that the aforesaid invention(s) was/were made in the framework of a specific relationship to ASSIGNEE and that in this relationship the ASSIGNOR(s) is/are bound to use specific knowledge to create inventions similar to the aforesaid invention(s);

AND the ASSIGNOR(s) acknowledge(s) that the ASSIGNOR(s)'s salary or other remuneration includes fair and reasonable compensation for the assignment hereunder of the subject matter herein assigned;

AND the ASSIGNOR(s) agree(s), without further remuneration, to communicate to ASSIGNEE any facts known to the ASSIGNOR(s) respecting the aforesaid invention(s), and all related patent applications, patents, and other intellectual property protection mentioned above, and to testify in any legal proceeding, sign any lawful papers, execute any applications, make any rightful oaths or declarations, and generally provide all assistance, cooperation and information reasonably necessary for ASSIGNEE to perfect title in, prepare, complete, prosecute,

PATENT REEL: 056506 FRAME: 0127 obtain, maintain, preserve, enforce and/or defend the aforesaid invention(s) and all related patent applications, patents and other intellectual properly protection mentioned above, and grant(s) ASSIGNEE a perpetual and irrevocable power of attorney to execute and sign in the name(s) and on behalf of the ASSIGNOR(s) any documents of any nature in pursuit of the aforesaid;

AND the ASSIGNOR(s) agree(s) not to contest or aid in contesting the validity, enforceability or ownership of the aforesaid invention(s) and all related patent applications, patents, and other intellectual property protection mentioned above;

AND the ASSIGNOR(s) represent(s) and warrant(s) to have the full right to convey the subject matter herein assigned, to have obtained the consent, if applicable, of all joint owners and all inventors to the subject matter assigned herein, to have not made and will not make any agreement or license in conflict herevith, and to have not encumbered and will not encumber by any grant, license or right the subject matter herein assigned.

AND the ASSIGNOR(s) has/have not disclosed and will not disclose the aforesaid invention(s) to any third party, except with the prior written consent of ASSIGNEE, prior to the date of earliest publication of the aforesaid application(s);

AND the ASSIGNOR(s) hereby authorize(s) any attorneys or other representatives of ASSIGNEE to insert hereon any further identification necessary or desirable for recordation of this document, including without limitation any applicable patent or patent application number:

AND, to the extent there is a conflict between the agreement herein and any previous agreement between ASSIGNEE and any or all of the ASSIGNOR(s), the ASSIGNOR(s) agree(s) that the agreement herein controls and supersedes any such conflicting previous agreement;

AND, where permitted by law, the ASSIGNOR(s) agree(s) that the agreement herein supersedes, modifies and/or supplements the law to the extent the agreement herein provides ASSIGNEE greater rights and protections than available under the law;

AND the ASSIGNOR(s) and ASSIGNEE irrevocably waive their rights to rescind the agreement herein, including, without limitation, on the basis of article 6: 258, 265, or 270 of the Dutch Civil Code;

AND the ASSIGNOR(s) agree(s) that the agreement herein shall be exclusively construed under and governed by the laws of the Netherlands with the exclusion of conflicts of law rules:

AND the ASSIGNOR(s) agree(s) that any dispute arising from or in relation to the agreement herein shall be submitted to the exclusive jurisdiction and venue of the competent court in 's-Hertogenbosch, the Netherlands, unless ASSIGNEE in its sole discretion prefer(s) to submit such dispute to an arbitration, whereby the arbitral tribunal shall be composed of one arbitrator, the place of arbitration shall be within the Netherlands, and the arbitral procedure shall be conducted in the English language;

AND the ASSIGNOR(s) and ASSIGNEE agree that if any provision of the agreement herein is deemed to be unenforceable, void, lilegal or invalid, it shall be modified so as to make it valid and enforceable, and as so modified the agreement herein shall remain in full force and effect.

**** *	ASSIGNOR(S)	DATE SIGNED
1): Name:	Christiaan OTTEN	10 Dec 2020 Date
2):		
Name:	Peter-Paul CRANS	Date
3):		
Name:	Marc SMITS	Date
4):	777 7988 798 798 798 798 798 798 798 798	
Name:	Laura DEL TIN	Date
5):		10 - 12 - 20
Name:	Christan TEUNISSEN	Date
6);		
Name:	Yang-Shan HUANG	Date

obtain, maintain, preserve, enforce and/or defend the aforesaid invention(e) and all related patent applications, patents and other intellectual property protection mentioned above, and grant(s) ASSIGNEE a perpetual and irrevocable power of attorney to execute and sign in the name(s) and on behalf of the ASSIGNOR(s) any documents of any nature in pursuit of the aforesaid:

AND the ASSIGNOR(s) agree(s) not to contest or aid in contesting the validity, enforceability or ownership of the aforesaid invention(s) and all related patent applications, patents, and other intellectual property protection mentioned above:

AND the ASSIGNOR(s) represent(s) and warrant(s) to have the full right to convey the subject matter herein assigned, to have obtained the consent, if applicable, of all joint owners and all inventors to the subject matter assigned herein, to have not made and will not make any agreement or license in conflict herewith, and to have not encumbered and will not encumber by any grant, license or right the subject matter herein assigned;

AND the ASSIGNOR(s) hashave not disclosed and will not disclose the aforesaid invention(s) to any third party, except with the prior written consent of ASSIGNEE, prior to the date of earliest publication of the aforesaid application(s);

AND the ASSIGNOR(s) hereby authorize(s) any altomeys or other representatives of ASSIGNEE to insert hereon any turther identification necessary or desirable for recordation of this document, including without limitation any applicable patent or patent application number;

ANO, to the extent there is a conflict between the agreement herein and any previous agreement between ASSIGNEE and any or all of the ASSIGNOR(s), the ASSIGNOR(s) agree(s) that the agreement herein controls and supersedes any such conflicting previous agreement;

AND, where permitted by law, the ASSIGNOR(s) agree(s) that the agreement herein supersedes, modifies and/or supplements the law to the extent the agreement herein provides ASSIGNEE greater rights and protections then available under the law;

AND the ASSIGNOR(s) and ASSIGNEE irrevocably waive their rights to rescind the agreement herein, including, without limitation, on the basis of article 6: 258, 265, or 270 of the Dutch Civil Code;

AND the ASSIGNOR(s) agree(s) that the agreement herein shall be exclusively construed under and governed by the laws of the Netherlands with the exclusion of conflicts of law rules;

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AND the ASSIGNOR(s) and ASSIGNEE agree that if any provision of the agreement herein is deemed to be unenforceable, void, illegal or invalid, it shall be modified so as to make it valid and enforceable, and as so modified the agreement herein shall remain in full force and effect.

	ASSIGNOR(S)	DATE SIGNED
1):		
Name:	Christisan OTTEN	Date
2):		or or to be a
Name:	Peter-Paul CRANS	<u>28/5/20</u> 20 Date
3):	·	
Name:	Marc SMITS	Date
4):		
Name:	Laura DEL TIN	
5):		
Name:	Christan TEUNISSEN	Date
6):		
Name:	Yang-Shan HUANG	Date

NL.

obtain, maintain, preserve, enforce and/or defend the aforesaid invention(s) and all related patent applications, patents and other intellectual property protection mentioned above, and grant(s) ASSIGNEE a perpetual and irrevocable power of attorney to execute and sign in the name(s) and on behalf of the ASSIGNOR(s) any documents of any nature in pursuit of the aforesaid;

AND the ASSIGNOR(s) agree(s) not to contest or aid in contesting the validity, enforceability or ownership of the aforesaid invention(s) and all related patent applications, patents, and other intellectual property protection mentioned above:

AND the ASSIGNOR(s) represent(s) and warrant(s) to have the full right to convey the subject matter herein assigned, to have obtained the consent, if applicable, of all joint owners and all inventors to the subject matter assigned herein, to have not made and will not make any agreement or license in conflict herewith, and to have not encumbered and will not encumber by any grant, license or right the subject matter herein assigned;

AND the ASSIGNOR(s) has/have not disclosed and will not disclose the aforesaid invention(s) to any third party, except with the prior written consent of ASSIGNEE, prior to the date of earliest publication of the aforesaid application(s);

AND the ASSIGNOR(s) hereby authorize(s) any attorneys or other representatives of ASSIGNEE to insert hereon any further identification necessary or desirable for recordation of this document, including without limitation any applicable patent or patent application number;

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AND the ASSIGNOR(s) and ASSIGNEE agree that if any provision of the agreement herein is deemed to be unenforceable, void, illegal or invalid, it shall be modified so as to make it valid and enforceable, and as so modified the agreement herein shall remain in full force and effect.

	ASSIGNOR(S)	DATE SIGNED
1):		
Name:	Christiaan OTTEN	Date
2):	NACARA AND AND AND AND AND AND AND AND AND AN	
Name:	Peter-Paul CRANS	Date
3):	h. A	23-04-2020
Name:	Marc SMITS	<u> 23-04-20</u> 20 D <b>á</b> te
4):	Lee Vel + :	<u>23/09/2020</u>
Name:	Laura DEL TIN	Date
5):		
Name:	Christan TEUNISSEN	Date
6):		1 A
Name:	Yang-Shan HUANG	Date

PATENT REEL: 056506 FRAME:0130 obtain, maintain, preserve, enforce and/or defend the aforesaid invention(s) and all related patient applications, patients and other intellectual property protection mentioned above, and grant(s) ASSIGNEE a perpetual and irrevocable power of attorney to execute and sign in the name(s) and on behalf of the ASSIGNOR(s) any documents of any nature in pursuit of the aforesaid;

AND the ASSIGNOR(s) agree(s) not to contest or aid in contesting the validity, enforceability or ownership of the aforesaid invention(s) and all related patent applications, patents, and other intellectual property protection mentioned above:

AND the ASSIGNOR(s) represent(s) and warrant(s) to have the full right to convey the subject matter herein assigned, to have obtained the consent, if applicable, of all joint owners and all inventors to the subject matter assigned herein, to have not made and will not make any agreement or license in conflict herewith, and to have not encumbered and will not encumber by any grant, license or right the subject matter herein assigned;

AND the ASSIGNOR(s) has/have not disclosed and will not disclose the aforesaid invention(s) to any third party, except with the prior written consent of ASSIGNEE, prior to the date of earliest publication of the aforesaid application(s);

AND the ASSIGNOR(s) hereby authorize(s) any attorneys or other representatives of ASSIGNEE to insert hereon any further identification necessary or desirable for recordation of this document, including without limitation any applicable patent or patent application number;

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AND the ASSIGNOR(s) and ASSIGNEE agree that if any provision of the agreement herein is deemed to be unenforceable, void, illegal or invalid, it shall be modified so as to make it valid and enforceable, and as so modified the agreement herein shall remain in full force and effect.

	ASSIGNOR(S)	DATE SIGNED
1):		
Name:	Christiaan OTTEN	Date
2}:	en e	
Name:	Peter-Paul CRANS	Date
3):		
Name:	Marc SMITS	Date
4):		
Name:	Laura DEL TIN	Date
5):		
Name:	Christan TEUNISSEN	Date
6):	\$194	2020. Sep 23
Name:	Yang-Shan HUANG	Date

7):	An Kloud	23-1-1-2020
Name:	Stijn, Wilem, Herman, Karel STEENBRINK	Date

	ASSIGNEE	DATE SIGNED
		16.DEC 20
Company:	ASML Netherlands B.V.	Date
Signor	Antonius J.M. van Hoef	
Name:	Senior Vice President and Chief IP	
	Counsel	

(F7************************************				
For Administrative Purposes				
Assignee's internal reference:	2019P00380-GN			
Counterpart or related patent application of, or	Country, filing date & application number	Initials of administrator and date:		
for, the assigned subject matter below:				
***************************************				

#### **ASSIGNMENT**

in consideration of good and valuable consideration received by the ASSIGNOR(s), namely:

NAME OF (1)	Xuerang HU	(2)	Qingpo XI
ASSIGNOR(S) (3)	Xinan LUO	(4)	Xuedong LIU
the receipt and sufficiency of	of which are acknowledged by the ASSIGNOR(s), the AS		
	ASML Netherlands B.V.		
NAME OF	P.O. Box 324	**********	
ASSIGNEE and	5500 AH Veldhoven	Bid billion A resourcements to	
ADDRESS	The Netherlands	**********	

and its or their successors, assigns and legal representatives (together and individually hereinafter "ASSIGNEE") and to the extent already assigned or transferred to ASSIGNEE by operation of law or by a general obligation between the ASSIGNOR(s) and ASSIGNEE, the ASSIGNOR(s) hereby confirm(s) and formalize(s) the assignment and transfer to ASSIGNEE of, the entire and exclusive right, title and interest for all countries, regions, territories, and other jurisdictions ihroughout the world, in, to and under the invention(s), improvements thereof, and all patent applications, provisional and non-provisional, (including without limitation all patent applications claiming priority and/or benefit, including without limitation all divisional, continuation, continuation-in-part, substitute, renewal and reissue applications), patents (including without limitation all utility models, easigns and inventor certificates, and applications, extensions, renewals and reissues for the same) therefore, together with, though not in any way of limitation, all rights of priority under the International Convention for the Protection of Industrial Property and all other laws and international agreements, the right to apply for patents in ASSIGNEE's name(s), and all rights to bring suit, collect demages and settle suits for past, present or future infringements thereof, known as

TITLE OF THE INVENTION	I NULLAGRADUE MODULE FOR A GHANGED PARTICLE APPARATOS				
	Europe	22.Sep.2020	EP	20197510.9	
	Country	Date	Country abbreviation	Application number	

AND the ASSIGNOR(s) hereby authorize(s) and request(s) any government agency, office or official whose duty includes issuing patents or other evidence or forms of intellectual property protection on or for the aforesald invention(s) and application(s) (including, without limitation, all applications filed in or for China, Europe, Japan, Korea, the Netherlands, United Kingdom, Germany, France, Italy, Taiwan, Singapore and the United States), to issue the same to ASSIGNEE, as the assignee(s) of all rights, title, interests thereto and/or as the applicant(s) therefore;

AND the ASSIGNOR(s) agree(s) that the attorney of record in the aforesaid application(s) shall hereinafter act on behalf of ASSIGNED.

AND the ASSIGNOR(s) acknowledge(s) that the aforesaid invention(s) was/ware made in the framework of a specific relationship to ASSIGNEE and that in this relationship the ASSIGNOR(s) is/are bound to use specific knowledge to create inventions similar to the aforesaid invention(s);

AND the ASSIGNOR(s) acknowledge(s) that the ASSIGNOR(s)'s salary or other remuneration includes fair and reasonable compensation for the assignment hereunder of the subject matter herein assigned;

AND the ASSIGNOR(s) agree(s), without further remuneration, to communicate to ASSIGNEE any facts known to the ASSIGNOR(s) respecting the aforesaid invention(s), and all related patent applications, patents, and other intellectual property protection mentioned above, and to testify in any legal proceeding, sign any lawful papers, execute any applications, make any rightful caths or declarations, and generally provide all assistance, cooperation and information reasonably necessary for ASSIGNEE to perfect title in, prepare, complete, prosecute, obtain, maintain, preserve, enforce and/or defend the aforesaid invention(s) and all related patent applications, patents and other intellectual property protection mentioned above, and grant(s) ASSIGNEE a perpetual and irrevocable power of alterney to execute and sign in the name(s) and on behalf of the ASSIGNOR(s) any documents of any nature in pursuit of the aforesaid;

AND the ASSIGNOR(s) agree(s) not to contest or aid in contesting the validity, enforceability or ownership of the aforesaid invention(s) and all related patent applications, patents, and other intellectual property protection mentioned above;

AND the ASSIGNOR(s) represent(s) and warrant(s) to have the full right to convey the subject matter herein assigned, to have

PATENT REEL: 056506 FRAME: 0133

obtained the consent, if applicable, of all joint owners and all inventors to the subject matter assigned herein, to have not made and will not make any agreement or license in conflict herewith, and to have not encumbered and will not encumber by any grant, license or right the subject matter herein assigned;

AND the ASSIGNOR(s) has/have not disclosed and will not disclose the aforesaid invention(s) to any third party, except with the prior written consent of ASSIGNEE, prior to the date of earliest publication of the aforesaid application(s);

AND the ASSIGNOR(s) hereby authorize(s) any attorneys or other representatives of ASSIGNEE to insert hereon any further identification necessary or desirable for recordation of this document, including without limitation any applicable patent or patent application number:

AND, to the extent there is a conflict between the agreement herein and any previous agreement between ASSIGNEE and any or all of the ASSIGNOR(s), the ASSIGNOR(s) agree(s) that the agreement herein controls and supersedes any such conflicting previous agreement;

AND, where permitted by law, the ASSIGNOR(s) agree(s) that the agreement herein supersedes, modifies and/or supplements the law to the extent the agreement herein provides ASSIGNEE greater rights and protections than available under the law:

AND the ASSIGNOR(s) and ASSIGNEE inevocably waive their rights to rescind the agreement herein, including, without limitation, on the basis of article 6: 258, 265, or 270 of the Dutch Civil Code;

AND the ASSIGNOR(s) agree(s) that the agreement herein shall be exclusively construed under and governed by United States federal law and the laws of Delaware with the exclusion of conflicts of law rules;

AND the ASSIGNOR(s) agree(s) that any dispute arising from or in relation to the agreement herein shall be submitted to the exclusive jurisdiction and venue of a court of competent jurisdiction in the states of Connecticut, Arizona or California in the United States of America, unless ASSIGNEE in its sole discretion prefer(s) to submit such dispute to an arbitration, whereby the arbitral tribunal shall be composed of one arbitrator, the place of arbitration shall be states of Connecticut, Arizona or California, and the arbitral procedure shall be conducted in the English language;

AND the ASSIGNOR(s) and ASSIGNEE agree that if any provision of the agreement herein is deemed to be unenforceable, void, flegal or invalid, it shall be modified so as to make it valid and enforceable, and as so modified the agreement herein shall remain in full force and effect.

	ASSIGNUI(S)	DATE SIGNED
The state of the s	Web	10/04/2010
Name:	Xuerang HU	Date
2):		
Name:	Qingpo Xi	Date
3):		
Name:	Xinan LUO	Date
4):		
Name:	Xuedong LIU	Date
W	ASSIGNEE	DATE SIGNED
	MH	16 DEC 20
Company:	ASML Netherlands B.V.	Date
Signor	Antonius J.M. van Hoef	
Name:	Senior Vice President and Chief IP Counsel	

obtained the consent, if applicable, of all joint owners and all inventors to the subject matter assigned herein, to have not made and will not make any agreement or license in conflict herewith, and to have not encumbered and will not encumber by any grant, license or right the subject matter herein assigned;

AND the ASSIGNOR(s) has/have not disclosed and will not disclose the aforesaid invention(s) to any third party, except with the prior written consent of ASSIGNEE, prior to the date of earliest publication of the aforesaid application(s);

AND the ASSIGNOR(s) hereby authorize(s) any attorneys or other representatives of ASSIGNEE to insert hereon any further identification necessary or desirable for recordation of this document, including without limitation any applicable patent or patent application number:

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ASSIGNOR(S)

1):		
Name:	Xuerang HU	Date
2):	(singpo Xi	Dec.7.2020
Name:	Qingpo Xi	Date
3):		
Name:	Xinan LUO	Date
4):		***************************************
Name:	Xuedong LIU	Date
	ASSIGNEE	DATE SIGNED
Company:	ASML Netherlands B.V.	Date
Signor Name:	Antonius J.M. van Hoef Senior Vice President and Chief IP Counsel	

US

PAT**ENT**0380-GN

DATE SIGNED

REEL: 056506 FRAME: 0135

obtained the consent, if applicable, of all joint owners and all inventors to the subject matter assigned herein, to have not made and will not encumber by any grant, license or right the subject matter herein assigned;

AND the ASSIGNOR(s) has/have not disclosed and will not disclose the aforesaid invention(s) to any third party, except with the prior written consent of ASSIGNEE, prior to the date of earliest publication of the aforesaid application(s);

AND the ASSIGNOR(s) hereby authorize(s) any attorneys or other representatives of ASSIGNEE to insert hereon any further identification necessary or desirable for recordation of this document, including without limitation any applicable patent or patent application number:

AND, to the extent there is a conflict between the agreement herein and any previous agreement between ASSIGNEE and any or all of the ASSIGNOR(s), the ASSIGNOR(s) agree(s) that the agreement herein controls and supersedes any such conflicting previous agreement;

AND, where permitted by law, the ASSIGNOR(s) agree(s) that the agreement herein supersedes, modifies and/or supplements the law to the extent the agreement herein provides ASSIGNEE greater rights and protections than available under the law;

AND the ASSIGNOR(s) and ASSIGNEE irrevocably waive their rights to rescind the agreement herein, including, without limitation, on the basis of article 6: 258, 285, or 270 of the Dutch Civil Code;

AND the ASSIGNOR(s) agree(s) that the agreement herein shall be exclusively construed under and governed by United States federal law and the laws of Delaware with the exclusion of conflicts of law rules;

AND the ASSIGNOR(s) agree(s) that any dispute arising from or in relation to the agreement herein shall be submitted to the exclusive jurisdiction and venue of a court of competent jurisdiction in the states of Connecticut, Arizona or California in the United States of America, unless ASSIGNEE in its sole discretion prefer(s) to submit such dispute to an arbitration, whereby the arbitral tribunal shall be composed of one arbitrator, the place of arbitration shall be states of Connecticut, Arizona or California, and the arbitral procedure shall be conducted in the English language;

AND the ASSIGNOR(s) and ASSIGNEE agree that if any provision of the agreement herein is deemed to be unenforceable, void, illegal or invalid, it shall be modified so as to make it valid and enforceable, and as so modified the agreement herein shall remain in full force and effect.

DATE SIGNED

ASSIGNOR(S)

1):		
Name:	Xuerang HU	Date
2):		
Name:	Qingpo XI	Date
3):	Vinan Lu	12/07/2020
Name:	Xinan LUO	Date
4):		
Name:	Xuedong LIU	Date
	ASSIGNEE	DATE SIGNED
Company:	ASML Netherlands B.V.	Date
Signor Name:	Antonius J.M. van Hoef Senior Vice President and Chief IP Counsel	

US

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AND the ASSIGNOR(s) has/have not disclosed and will not disclose the aforesaid invention(s) to any third party, except with the prior written consent of ASSIGNEE, prior to the date of earliest publication of the aforesaid application(s):

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Signor Name:	Antonius J.M. van Hoef Senior Vice President and Chief IP Counsel	
Company:	ASML Netherlands B.V.	
•••	ASSIGNEE	DATE SIGNED
Name:	Xuedong LIU	Date
4):	Xuedong Liu	12/2/2020
Name:	Xinan LUO	Date
3):		
Name:	Qingpo XI	Date
2):		
Name:	Xuerang HU	Cate
1):		
	ASSIGNOR(S)	vaie Srineu