506148544 07/10/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6195276

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SUDHARSHANAN RAGHUNATHAN	09/15/2018
BORIS MENCHTCHIKOV	04/05/2018
PATRICIUS ALOYSIUS JACOBUS TINNEMANS	04/03/2018
EDO MARIA HULSEBOS	03/29/2018
HENRICUS JOHANNES LAMBERTUS MEGENS	04/04/2018
AHMET KORAY ERDAMAR	04/06/2018
LOEK JOHANNES PETRUS VERHEES	03/29/2018
WILLEM SEINE CHRISTIAN ROELOFS	03/29/2018
HAKKI ERGÜN CEKLI	04/02/2018
RALPH BRINKHOF	03/29/2018
MAIKEL ROBERT GOOSEN	04/05/2018
MAAIKE VAN T WESTEINDE	04/05/2018
WENDY JOHANNA MARTINA VAN DE VEN	03/29/2018
HADI YAGUBIZADE	04/03/2018
TRAN THANH THUY VU	04/04/2018
WEITIAN KOU	04/04/2018

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:	16650520

CORRESPONDENCE DATA

(703)770-7901 **Fax Number:**

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.

REEL: 053177 FRAME: 0526 506148544

PATENT

Phone: 703-770-7900

Email: cathy.fitzgerald@pillsburylaw.com

Correspondent Name: PILLSBURY WINTHROP SHAW PITTMAN LLP

Address Line 1: P.O. BOX 10500

Address Line 4: MCLEAN, VIRGINIA 22102

ATTORNEY DOCKET NUMBER: 081468-0510286

NAME OF SUBMITTER: CATHY M. FITZGERALD

SIGNATURE: /Cathy M. FitzGerald/

DATE SIGNED: 07/10/2020

Total Attachments: 12

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PATENT REEL: 053177 FRAME: 0527

For Administrativa Purposes				
Assignee's internal reference:	2017F00211-GN01			
Counterpart or related patent application of, or	Country, filing date & application number	initials of administrator and date:		
for, the assigned subject matter below:				
<u> </u>				

ASSIGNMENT

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

NAME OF	(1)	Sudharshanan RAGHUNATHAN	(2)	Boris MENCHTCHIKOV	
ASSIGNOR(S)					
the receipt and sufficiency of which are acknowledged by the ASSIGNOR(s), the ASSIGNOR(s) hereby sell(s), assign(s) and transfer(s) unto:					
		ASML Netherlands B.V.			
NAME OF P.O.		P.O. Box 324			
ASSIGNEE and 5500 AH Veldhoven					
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 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 all utility models, designs 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 damages and settle suits for past, present or future infringements thereof, known as

TITLE OF THE INVENTION	LITHOGRAPHIC	METHOD		
	☐ Which is filed here	with, or		
	IXI For which a patent application was executed and/or filed for:			
	Europe	28.Mar.2018	EP	18164511.0
	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 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) therefore;

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, 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 atforney 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 2012 11-GN01

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 floense 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 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 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.

	ASSIGNOR(S)	DATE SIGNED
1):	Radhelas	9 15 18
Name:	Sudharshanan RAGHUNATHAN	Date
2):		
Name:	Boris MENCHTCHIKOV	Date
	ASSIGNEE	DATE SIGNED
Company:	ASML Netherlands B.V.	Date:
Signor Name:	Antonius J.M. van Hoef Senior Vice President and Chief IP Counsel	

REEL: 053177 FRAME: 0529

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

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 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:	Sudharshanan RAGHUNATHAN	Date
2):		5-April-2018
Name:	Boris MENCHTCHIKOV	Date
		·
	ASSIGNEE A A A A A A A A A A A A A A A A A A	DATE SIGNED
		25 SEP 18
Company:	ASML Netherlands B.V.	Date
Signor Name:	Antonius J.M. van Hoef Senior Vice President and Chief IP Counsel	

-	For Administrative Purposes			
Assignee's Internal reference: 2017P00211-GN01				
	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(S) OF

ASSIGNOR(S)

(1)	Patricius, Aloysius, Jacobus TINNEMANS	(2)	Edo, Maria HULSEBOS
(3)	Henricus, Johannes, Lambertus MEGENS	(4)	Ahmet Koray ERDAMAR
(5)	Loek, Johannes, Petrus VERHEES	(6)	Willem, Seine, Christian ROELOFS
(7)	Wendy, Johanna, Martina VAN DE VEN	(8)	Hadi YAGUBIZADE
(9)	Hakki, Ergün CEKLI	(10)	Raiph BRINKHOF
(11)	Tran, Thanh, Thuy VU	(12)	Maikel, Robert GOOSEN
(13)	Maaike VAN T WESTEINDE	(14)	Weitian KOU

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

NAME OF ASSIGNEE and ADDRESS

ASML Netherlands B.V.	
P.O. Box 324	
5500 AH Veldhoven	
The Netherlands	1

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

LITHOGRAPHIC METHOD

for which a patent application was executed and/or filed for:

Europe 28.Mar.2018 EP 18164511.0

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 aforesaid invention(s) and application(s) (including, without limitation, all applications flied 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 ASSIGNEF:

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 daths 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

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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;

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, 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):	Minnores>	3-Apn-2018
Name:	Patricius, Aloysius, Jacobus TINNEMANS	Date
2):		
Name:	Edo, Maria HULSEBOS	Date
3):		
Name:	Henricus, Johannes, Lambertus MEGENS	Date
4):	4	
Name:	Ahmet Koray ERDAMAR	Date
5):		
Name:	Loek, Johannes, Petrus VERHEES	Date
6):		
Name:	Willem, Seine, Christian ROELOFS	Date

NL

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:

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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, 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:	Patricius, Aloysius, Jacobus TINNEMANS	Date
2):		29-03-20/8 Date
Name:	Edo, Maria HULSEBOS	Date
3):		
Name:	Henricus, Johannes, Lambertus MEGENS	Date
4):		
Name:	Ahmet Koray ERDAMAR	Date
5);		
Name:	Loek, Johannes, Petrus VERHEES	Date
6):		
Name:	Willem, Seine, Christian ROELOFS	Date

NL

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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:

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;

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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, 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:	Patricius, Aloysius, Jacobus TINNEMANS	Date
2):		
Name:	Edo, Maria HULSEBOS	Date
3):	244	4-4-18
Name:	Henricus, Johannes, Lambertus MEGENS	Date
4):	1 Hold	Œ-4-18
Name:	Ahmet Koray ERDAMAR	Date
5);	Marin	23-3-2018
Name:	Loek, Johannes, Petrus VERHEES	Date
6):	Ato 4	24-3-2018
Name:	Willem, Seine, Christian ROELOFS	Date

NL

7):		
Name.	Wendy, Johanna, Martina VAN DE VEN	Date
8):		
Name:	Hadi YAGUBIZADE	Date
9).	HELLES	02-April-2018
Name:	Hakki, Ergün CEKLI	Date
10):		
Name:	Ralph BRINKHOF	Date
11);		
Name:	Tran, Thanh, Thuy VU	Date
12);		
Name:	Malkel, Robert GOOSEN	Date
13):		
Name:	Masike VAN T WESTEINDE	Date
14):		-
Name:	Weitian KOU	Date

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

7):		
Name:	Wendy, Johanna, Martina VAN DE VEN	Date
8):		
Name:	Hadi YAGUBIZADE	Date
9):		
Name:	Hakki, Exgün CEKLI	Date
10):	MUM	29-3-208
Name:	Ralph BRINKHOF	Date
11):		
Name:	Tran, Thanh, Thuy VU	Date
12):		
Name:	Maikel, Robert GOOSEN	Date
13):		
Name:	Maaike VAN T WESTEINDE	Date
14):		
Name:	Weitian KOU	Date

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

7) :		
Name:	Wendy, Johanna, Martina VAN DE VEN	Date
8):		
Name:	Hadi YAGUBIZADE	Date
9):		
Name:	Hakki, Ergün CEKLI	Date
10):		2 20 Maria 2000
Name:	Ralph BRINKHOF	Date
11):		
Name:	Tran, Thanh, Thuy VU	Date
12):	White Control	Apail 5th 2018
Name:	Maikel, Robert GOOSEN	Date
13):		
Name:	Maaike VAN T WESTEINDE	Date
14):		
Name:	Weitian KOU	Date

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

7):		
Name:	Wendy, Johanna, Martina VAN DE VEN	Date
8):		
Name:	Hadi YAGUBIZADE	Date
9):		
Name:	Hakki, Ergün CEKLI	Date
10);		
Name:	Ralph BRINKHOF	Date
11):		
Name:	Tran, Thanh, Thuy VU	Date
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Name:	Maikel, Robert GOOSEN	Date
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Name:	Masike VAN T WESTEINDE	Date
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Name:	Weitian KOU	Dale

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

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Name:	Wendy, Johanna, Martina VAN DE VEN	Date
8):	Lagubizad	3-4-18
Name:	Hadi YAGUBIZADE	Date
9):		
Name:	Hakki, Ergün CEKLI	Date
10):		
Name:	Ralph BRINKHOF	Date
11):	1#	04-04-18
Name:	Tran, Thanh, Thuy VU	Date
12):		
Name:	Maikel, Robert GOOSEN	Date
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Name:	Maaike VAN T WESTEINDE	Date
14):	Q AP	04-04-18
Name:	Weitian KOU	Date

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

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