506774376 07/20/2021

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6821194

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ARNAUD HUBAUX	11/26/2019
JOHAN FRANCISCUS MARIA BECKERS	11/25/2019
DYLAN JOHN DAVID DAVIES	11/25/2019
JOHAN GERTRUDIS CORNELIS KUNNEN	11/25/2019
CHUNG-HSUN LI	11/25/2019
GEORGIOS TSIROGIANNIS	11/26/2019
FREDERIK EDUARD DE JONG	11/25/2019
WILLEM RICHARD PONGERS	11/25/2019
AJINKYA RAVINDRA DAWARE	11/25/2019
HENDRIK CORNELIS ANTON BORGER	11/26/2019
JUAN MANUEL GONZALEZ HUESCA	11/28/2019
ANDRIY VASYLIOVICH HLOD	11/27/2019
MAXIM PISARENCO	11/25/2019

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:	17423325

CORRESPONDENCE DATA

Fax Number: (703)770-7901

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: 703-770-7900

Email: cathy.fitzgerald@pillsburylaw.com

Correspondent Name: PILLSBURY WINTHROP SHAW PITTMAN, LLP

Address Line 1: PO BOX 10500

REEL: 056909 FRAME: 0132

PATENT

506774376

Address Line 4: MCLE	MCLEAN, VIRGINIA 22102	
ATTORNEY DOCKET NUMBER:	081468-0562153	
NAME OF SUBMITTER:	CATHY M. FITZGERALD	
SIGNATURE:	/Cathy M. FitzGerald/	
DATE SIGNED:	07/20/2021	

Total Attachments: 10

source=081468-0562153-Executed Assignment-1#page1.tif source=081468-0562153-Executed Assignment-1#page2.tif source=081468-0562153-Executed Assignment-1#page3.tif source=081468-0562153-Executed Assignment-1#page4.tif source=081468-0562153-Executed Assignment-1#page5.tif source=081468-0562153-Executed Assignment-1#page6.tif source=081468-0562153-Executed Assignment-1#page7.tif source=081468-0562153-Executed Assignment-1#page8.tif source=081468-0562153-Executed Assignment-1#page9.tif source=081468-0562153-Executed Assignment-1#page9.tif

PATENT REEL: 056909 FRAME: 0133

For Administrative Purposes		
Assignee's internal reference:	2019P00020-GN02	17 - Carlotte Colonia and the
Counterpart or related patent application of, or for, the assigned subject matter below:	Country, filing date & application number:	Initials of administrator and date:

ASSIGNMENT

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

NAME(S) OF ASSIGNOR(S)

(1)	Arnaud HUBAUX	(2)	Johan, Franciscus, Maria BECKERS
(3)	Dylan, John, David DAVIES	(4)	Johan, Gertrudis, Cornells KUNNEN
(5)	Willem, Richard PONGERS	(6)	Ajinkya, Ravindra DAWARE
(7)	Chung-Hsun LI	(8)	Georgios TSIROGIANNIS
(9)	Hendrik, Cornelis, Anton BORGER	(10)	Frederik, Eduard DE JONG
(11)	Juan Manuel GONZALEZ HUESCA	(12)	Andriy, Vasyliovich HLOD
(13)	Maxim PISARENCO		ACCOUNT OF THE PROPERTY OF THE

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

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ASML Netherlands	s B.V.		
P.O. Box 324			D AN AN
5500 AH Veldhove	en		
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

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Method for decision	n making in a semicor	nductor manufacturing process	3
for which a patent appli	ication was executed and	/or filed for:	
Europe	18.Nov.2019	EP	19209695.6
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) 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 tawful 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 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.

	assiengk(s)//	DATE SIGNED
1):		11/26/19
Name:	Arnaud HUBAUX	Date
2):		
Name:	Johan, Franciscus, Maria BECKERS	Date
3):		
Name:	Dylan, John, David DAVIES	Date

NL

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 aforesald 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 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);

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	ASSIGNOR(S)	DATE SIGNED
1):		
Name:	Arnaud HUBAUX	Date
2):	4 Dadge	25-11-201g
Name:	Johan, Franciscus, Maria BECKERS	Date
3):	<u> </u>	25-11-2019
Name:	Dylan, John, David DAVIES	Date

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4):	Johan Lunnan	०६-मन्द्रेश (दे
Name:	Johan, Gertrudis, Cornelis KUNNEN	Date
5):		
Name:	Willem, Richard PONGERS	Date
6):		
Name:	Ajinkya, Ravindra DAWARE	Date
7):	Li Mydau	249-11-25
Name:	Chung-Hsun LI	Date
8):		26/11/2019
Name:	Georgios TSIROGIANNIS	Date
9):		
Name:	Hendrik, Cornelis, Anton BORGER	Date
10):		27/1/2005
Name:	Frederik, Eduard DE JONG	Date
11):		
Name:	Juan Manuel GONZALEZ HUESCA	Date
12):		
Name:	Andriy, Vasyliovich HLOD	Date
13):		
Name:	Maxim PISARENCO	Date
	ASSIGNEE	DATE SIGNED
Company:	ASML Netherlands B.V.	Date
Signor Name:	Antonius J.M. van Hoef Senior Vice President and Chief IP	

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4):		
Name:	Johan, Gertrudis, Cornelis KUNNEN	Date
5):	(A)	
	444	25-11-2019
Name	Willem, Richard PONGERS	Date
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Name:	Ajinkya, Ravindra DAWARE	Date
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1 8 1 1	ASSIGNEE	DATE SIGNED
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	ASSIGNEE	DATE SIGNED
Vame:	Maxim PISARENCO	Date
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Name:	Andriy, Vasyliovich HLOD	Date
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Name:	Ajinkya, Ravindra DAWARE	Date
6):	Jijki ja	25/11/2019
Name:	Willem, Richard PONGERS	Date
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Name:	Johan, Gertrudis, Cornelis KUNNEN	Date

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Name:	Johan, Gertrudis, Cornells KUNNEN	Date
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Name:	Willem, Richard PONGERS	Date
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Name:	Ajinkya, Ravindra DAWARE	Date
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Name:	Georgios TSIROGIANNIS	Date
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Name:	Hendrik, Cornelis, Anton BORGER	Date
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Name:	Frederik, Eduard DE JONG	Date
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Name:	Juan Manuel GONZALEZ HUESCA	Date
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Name:	Andriy, Vasyliovich HLOD	Date
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Name:	Maxim PISARENCO	Date
***************************************	ASSIGNEE	DATE SIGNED
	r vww.cvistato.ks	MAIN WOUNCE
Company:	ASML Netherlands B.V.	Date
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4):		
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Name:	Frederik, Eduard DE JONG	Date
11):	Juan M. Glet. Hussia	11/28/2019
Name:	Juan Manuel GONZALEZ HUESCA	Date
12):		
Name:	Andriy, Vasyliovich HLOD	Date
13):		TEXT
Name:	Maxim PISARENCO	Date
	ASSIGNEE	DATE SIGNED
Company:	ASML Netherlands B.V.	Date
Signor Name:	Antonius J.M. van Hoef Senior Vice President and Chief IP Counsel	

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4):		
Name:	Johan, Gertrudis, Cornelis KUNNEN	Date
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Name:	Juan Manuel GONZALEZ HUESCA	Date
12):	52	27.11.2019
Name:	Andriy, Vasyliovich HLOD	Date
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Name:	Maxim PISARENCO	Date
	ASSIGNEE	DATE SIGNED
Company:	ASML Netherlands B.V.	Date
Signor Name:	Antonius J.M. van Hoef Senior Vice President and Chief IP Council	

ASML Netherlands B.V.	Date
Antonius J.M. van Hoef Senior Vice President and Chief IP Counsel	

4):		***************************************
Name:	Johan, Gertrudis, Cornelis KUNNEN	Date
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Name:	Willem, Richard PONGERS	Date
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Name:	Ajinkya, Ravindra DAWARE	 Date
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Name:	Chung-Hsun Ll	Date
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Name:	Georgios TSIROGIANNIS	 Date
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9): Name:	Hendrik, Cornelis, Anton BORGER	Date
	Hendrik, Cornells, Anton BORGER	Date
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Name:	Frederik, Eduard DE JONG	Date
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Name:	Juan Manuel GONZALEZ HUESCA	Date
12):		
Name:	Andriy, Vasyliovich HLOD	Date
13):	Nu -	200 100 2010
Name:	Maxim PISARENCO	25-N0V-2019 Date
	à AA(AA)	D. A. C.
	ASSIGNEE	DATE SIGNED
Company:	ASML Netherlands B.V.	<u>05 080 19</u> Date
Signor Name:	Antonius J.M. van Hoef Senior Vice President and Chief IP	

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Counsel

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