# 505346136 02/26/2019

## PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT		
CONVEYING PARTY D	ΑΤΑ				
		Name	Execution Date		
WAIKIN LI			01/22/2019		
DANILO DE SIMONE			12/19/2018		
SANDIP HALDER			12/19/2018		
FREDERIC LAZZARINC	)		02/18/2019		
RECEIVING PARTY DA	TA				
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City:	LEUVE	N			
State/Country:	BELGI	UM			
Postal Code:	3001				
Property TypeApplication Number:162		Number			
Application Number:		16218749			
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CORRESPONDENCE D	ΑΤΑ				
CORRESPONDENCE D Fax Number:		16218749 (312)913-0002 o the e-mail address first; if that i	s unsuccessful, it will be sent		
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Patent Application Filing Date: December 13, 2018

#### PATENT ASSIGNMENT

The undersigned each hereby affirms the assignment to IMEC VZW, a Leuven, Belgium corporation having a place of business at Kapeldreef 75, 3001 Leuven, Belgium, and its successors and assigns (hereafter, collectively, "ASSIGNEE") the entire right, title, and interest throughout the world in and to (a) the patent application entitled:

Method for Producing a Pattern of Features by Lithography and Etching (hereafter "PATENT APPLICATION") that names the undersigned as inventor(s) and that is identified as Case No. 18-1561 in the offices of McDONNELL BOEHNEN HULBERT & BERGHOFF LLP; (b) any and all inventions, discoveries, improvements, and other subject matter that are the subject or subjects of the PATENT APPLICATION; (c) all legal equivalents of the PATENT APPLICATION in any country and all patents claiming priority to or otherwise issuing from the PATENT APPLICATION; (d) all patents, divisionals, continuations, continuations-in-part, substitutes, reissues, re-examinations, utility models, design registrations, inventors' certificates, and like rights of exclusion granted for any and all inventions, discoveries, improvements, and other subject matter that is a subject of the PATENT APPLICATION throughout the world; and (e) the right to claim priority or benefit based on the filing date of the PATENT APPLICATION under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other laws or treaties of like purposes (hereafter, (a)-(e) collectively, "PATENT RIGHTS").

The undersigned each authorizes and requests the attorneys of record for the PATENT APPLICATION to insert in the top margin of this Patent Assignment the Patent Application Filing Date and Patent Application Number of the PATENT APPLICATION when known.

The undersigned each hereby agrees the foregoing assignment affirmed herein has been made for good and valuable consideration, the receipt of which is hereby acknowledged, and in accordance with any relevant assignment agreements existing at the time the PATENT RIGHTS were made. Should any of the undersigned have any remaining right, title, or interest, for good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned each hereby assigns any right, title, or interest that the undersigned has in the PATENT RIGHTS anywhere in the world to ASSIGNEE.

The undersigned each hereby authorizes ASSIGNEE to apply in all countries in the names of the undersigned or in the name of ASSIGNEE for the PATENT RIGHTS. The

Page 1 of 2

undersigned each hereby authorizes the U.S. Patent and Trademark Office, and any other governmental agency in the world, to issue to ASSIGNEE all patents resulting from the PATENT RIGHTS and to record ASSIGNEE's ownership thereof.

The undersigned each hereby represents and covenants that no assignment, agreement, license, or other encumbrance has been or will be made or entered into by the undersigned that would conflict with the foregoing assignment of the PATENT RIGHTS to ASSIGNEE.

The undersigned each further covenants that, at the request of ASSIGNEE, the undersigned will, without further remuneration, perform any and all other acts reasonably necessary for ASSIGNEE, its successors, and assigns to apply for, obtain, maintain, issue, defend, and enforce the PATENT RIGHTS. Such acts include, by way of example and not limitation, providing to ASSIGNEE all pertinent facts and documents relating to the PATENT RIGHTS and executing and delivering to ASSIGNEE all papers, instruments, oaths, declarations, and affidavits reasonably necessary for ASSIGNEE, its successors, and assigns to apply for, obtain, maintain, issue, defend, and enforce the PATENT RIGHTS and executing and delivering to ASSIGNEE all papers, instruments, oaths, declarations, and affidavits reasonably necessary for ASSIGNEE, its successors, and assigns to apply for, obtain, maintain, issue, defend, and enforce the PATENT RIGHTS.

If any provision of this Patent Assignment is unenforceable, the requirements of the provision shall remain to the full extent permissible by law, and the offending portions thereof will be deemed replaced, to the extent possible, with a provision most closely reflecting the purpose of the offending provision. This Patent Assignment is governed by the applicable laws of the United States of America.

Dated: 22/1/2019

	A -
Signature:	<u>ps</u>
Name: Waikin	Í

Signature:

Dated:\_\_\_\_\_

Dated:

Signature:
Name: Sandip Halder

Dated:

Name: Frederic Lazzarino

Signature:

Name: Danilo De Simone

Page 2 of 2

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Dated:\_\_\_\_\_

Dated: 19, 12, 2018 Dated: 19/12/2018

Dated:\_\_\_\_\_

Signature: Name: Walkin Li

Signature: David De S Name: Danilo De Simone Signature: Jandy Halde

Signature:

Name: Sandip Halder

Signature:

Name: Frederic Lazzarino

Page 2 of 2

Patent Application Filing Date: December 13, 2018

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Page 1 of 3

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Dated:	Signature:
	Name: Waikin Li
Dated:	Signature:
	Name: Danilo De Simone
Dated:	Signature:
	Name: Sandip Halder
Dated: 18/02/2019	Signature:
	Name: Frederic Lazzatino

Page 2 of 2

**RECORDED: 02/26/2019**