

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT6473812

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
FRANK HOLSTEYNS	12/16/2020
ERIC BEYNE	12/17/2020
CHRISTOPHE LORANT	10/02/2020
SIMON BRAUN	10/05/2020
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	IMEC VZW
<b>Street Address:</b>	KAPELDREEF 75
<b>City:</b>	LEUVEN
<b>State/Country:</b>	BELGIUM
<b>Postal Code:</b>	3001
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	17038737
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(312)913-0002
<i>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.</i>	
<b>Phone:</b>	312-913-0001
<b>Email:</b>	lagiglio@mbhb.com
<b>Correspondent Name:</b>	MCDONNELL BOEHNNEN HULBERT & BERGHOFF LLP
<b>Address Line 1:</b>	300 SOUTH WACKER DRIVE
<b>Address Line 2:</b>	3100
<b>Address Line 4:</b>	CHICAGO, ILLINOIS 60606
<b>ATTORNEY DOCKET NUMBER:</b>	20-1517
<b>NAME OF SUBMITTER:</b>	ADNAN M. OBISSI
<b>SIGNATURE:</b>	/Adnan M. Obissi/
<b>DATE SIGNED:</b>	12/30/2020
<b>Total Attachments: 5</b>	
source=exe_assignment#page1.tif	
source=exe_assignment#page2.tif	

source=exe\_assignment#page3.tif

source=exe\_assignment#page4.tif

source=exe\_assignment#page5.tif

**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, 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 Dicing a Semiconductor Substrate into a Plurality of Dies**

(hereafter "PATENT APPLICATION") that names the undersigned as inventor(s) and that is identified as Case No. 20-1517 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

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.

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: 16/12/2020

Signature: /Frank Holsteyns/

Name: Frank Holsteyns

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

Signature: \_\_\_\_\_

Name: Eric Beyne

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

Signature: \_\_\_\_\_

Name: Christophe Lorant

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

Signature: \_\_\_\_\_

Name: Simon Braun

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.

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: \_\_\_\_\_

Signature: \_\_\_\_\_

Name: Frank Holsteys

Dated: 17 December 2020

Signature:  \_\_\_\_\_

Name: Eric Beyne

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

Signature: \_\_\_\_\_

Name: Christophe Lorant

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

Signature: \_\_\_\_\_

Name: Simon Braun

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.

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: \_\_\_\_\_

Signature: \_\_\_\_\_

Name: Frank Holsteys

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

Signature: \_\_\_\_\_

Name: Eric Beyne

Dated: 02/10/2020

Signature:  \_\_\_\_\_

Name: Christophe Lorant

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

Signature: \_\_\_\_\_

Name: Simon Braun

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.

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: .....

Signature: .....

Name: Frank Holsteyns

Dated: .....

Signature: .....

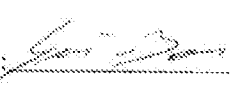
Name: Eric Beyne

Dated: 02/26/2020

Signature:  .....

Name: Christophe Loraht

Dated: 05/10/2020

Signature:  .....

Name: Simon Braun