

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	NUNC PRO TUNC ASSIGNMENT		
EFFECTIVE DATE:	12/19/2017		
CONVEYING PARTY DATA			
	Name	Execution Date	
	CARLOS D. GERARDO	01/18/2019	
	ROBERT ROHLING	01/18/2019	
	EDMOND CRETU	01/18/2019	
RECEIVING PARTY DATA			
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PROPERTY NUMBERS Total: 1			
Property Type	Number		
Application Number:	16684543		
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NAME OF SUBMITTER:	BENEDICT R. DUGAN		
SIGNATURE:	/Benedict R. Dugan/		
DATE SIGNED:	11/22/2019		
Total Attachments: 3			
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ASSIGNMENT

WHEREAS, **Carlos D. Gerardo** of c/o The University of British Columbia, University-Industry Liaison Office, 103 – 6190 Agronomy Road, Vancouver, BC V6T 1Z3, Canada; **Robert Rohling** of c/o The University of British Columbia, University-Industry Liaison Office, 103 – 6190 Agronomy Road, Vancouver, BC V6T 1Z3, Canada; and **Edmond Cretu** of c/o The University of British Columbia, University-Industry Liaison Office, 103 – 6190 Agronomy Road, Vancouver, BC V6T 1Z3, Canada ("**ASSIGNOR(S)**") have invented an invention(s), (the "Invention(s)") for which the following patent and/or utility model application(s) have been filed:

US Patent Application No. 62/607,641, filed on December 19, 2017, and entitled **LAYERED STRUCTURE AND METHOD FOR FABRICATING SAME**; and

Patent Cooperation Treaty Application No. PCT/CA2018/051618, filed on December 18, 2018, and entitled **LAYERED STRUCTURE AND METHOD FOR FABRICATING SAME**.

AND WHEREAS, The University of British Columbia having a place of business at University-Industry Liaison Office, 103 – 6190 Agronomy Road, Vancouver, BC V6T 1Z3, Canada ("**ASSIGNEE(S)**") are desirous of confirming that **ASSIGNEE(S)** have acquired and had assigned to **ASSIGNEE(S)**, and by way of further assurances are desirous of acquiring and having assigned to **ASSIGNEE(S)**, the full right, title, and interest of **ASSIGNOR(S)** in and to the Invention(s) and in and to any and all applications and/or Letters Patent that may be granted therefor in any and all countries and jurisdictions.

NOW, THEREFORE, in consideration of the foregoing premises, and of the sum of one dollar (\$1.00) and for other good and valuable consideration, the receipt and sufficiency of which **ASSIGNOR(S)** hereby acknowledge, **ASSIGNOR(S)** confirm having sold, assigned, and transferred absolutely, at least as of December 19, 2017, and by way of further assurances do hereby sell, assign, and transfer absolutely, to **ASSIGNEE(S)** the full and exclusive right, title, and interest of **ASSIGNOR(S)** in and to:

- (a) the Invention(s) worldwide;
- (b) any and all patent and utility model applications for the Invention(s) in all countries and jurisdictions and under all conventions and treaties, including the right to claim for any and all applications any priority rights to which such applications are entitled under conventions, treaties, or otherwise, and all divisions, extensions, continuations, continuations-in-part, provisionals, non-provisionals, substitutions, and renewals thereof (collectively, the "Patent Applications");
- (c) any and all Letters Patent that may be granted for the Patent Applications in any and all countries and jurisdictions, including without limitation any renewals, reissues, re-examinations, and/or extensions thereof (collectively, the "Letters Patent"); and
- (d) the exclusive right to bring or participate in any proceeding for past, present or future infringement or any other actionable right under any or all of the foregoing and to receive all remedies that arise therefrom, to the end of the term for which the Letters Patent may be granted, as fully and entirely as the same would have been held by **ASSIGNOR(S)** had this Assignment not been made;

(collectively, the "Patent Rights").

ASSIGNOR(S) authorize and request the patent offices in all countries and jurisdictions to issue any and all of the Letters Patent, when granted, to ASSIGNEE(S) or successors or assigns of ASSIGNEE(S).

ASSIGNOR(S) represent that ASSIGNOR(S) have not executed any agreement or assignment in conflict with this Assignment. Furthermore, ASSIGNOR(S) shall not execute any agreement or assignment in conflict with this Assignment.

ASSIGNOR(S) shall, each time upon request by ASSIGNEE(S) or legal representatives, successors, nominees or assigns of ASSIGNEE(S), without delay and without further consideration, but at the expense of ASSIGNEE(S): communicate to ASSIGNEE(S) or legal representatives, successors, nominees or assigns of ASSIGNEE(S) any facts known to ASSIGNOR(S) respecting the Patent Rights; testify in any legal proceeding; sign all lawful papers; execute all papers relating to any and all of the Patent Applications and the Letters Patent; execute all necessary assignment papers to cause any and all of the Letters Patent to be issued to ASSIGNEE(S) or successors or assigns of ASSIGNEE(S); make all rightful oaths; and generally do everything possible to aid ASSIGNEE(S) or legal representatives, successors, nominees or assigns of ASSIGNEE(S) to obtain, vest, register, record, confirm, maintain, perfect, prove, enforce and/or defend the Patent Rights in any and all countries and jurisdictions.

ASSIGNOR(S) and ASSIGNEE(S) authorize the firm of Gowling WLG (Canada) LLP to correct errors in this Assignment or to insert any further identification or other information necessary or desirable to make this Assignment suitable for recordal in any country.

ASSIGNOR(S) and ASSIGNEE(S) agree that: this Assignment may be executed and delivered in any number of counterparts and each executed counterpart shall be deemed to be an original and such counterparts will together constitute one and the same Assignment; and delivery of this Assignment by facsimile, e-mail, or functionally equivalent electronic transmission constitutes valid and effective delivery.

Execution by ASSIGNOR(S):

By: _____

(Signature)

Name: **Carlos D. Gerardo**

WITNESS:

By: _____

(Signature)

Name: Joel Ezequiel Hernandez Balades

Execution by ASSIGNOR(S):

By: _____

(Signature)

Name: **Robert Rohling**

WITNESS:

By: _____

(Signature)

Name: FATIMA DAVIS

Execution by ASSIGNOR(S):

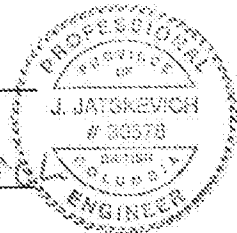
By: [Signature]
(Signature)

Name: Edmond Cretu

WITNESS:

By: [Signature]
(Signature)

Name: Juni Jatskevich



Execution by ASSIGNEE(S):

By: [Signature]
(Signature)

Name: The University of British Columbia

Brett Sharp Ph.D.
Associate Director
University Industry Liaison Office

Job Title*: University Industry Liaison Office
(*Include when signing for organization and be more specific than "Authorized Representative")

Date: Jan 18, 2019

WITNESS:

By: [Signature]
(Signature)

Name: Laurie McBeth