

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4452898

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DANIELLE NORTON	03/06/2013
NIKOLAI LOUKINE	03/06/2013
RACHEL GONG	03/06/2013
HENRY GALAS	03/06/2013
JOSE AMADO DINGLASAN	03/04/2013
ANJAN KUMAR DAS	03/06/2013
DARREN J. ANDERSON	03/04/2013
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	VIVE CROP PROTECTION INC.
<b>Street Address:</b>	700 BAY STREET
<b>Internal Address:</b>	SUITE 1100
<b>City:</b>	TORONTO, ONTARIO
<b>State/Country:</b>	CANADA
<b>Postal Code:</b>	M5G 1Z6
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15605472
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(617)502-5002
<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>	617-248-5000
<b>Email:</b>	patentdocket@choate.com
<b>Correspondent Name:</b>	CHOATE HALL & STEWART LLP
<b>Address Line 1:</b>	TWO INTERNATIONAL PLACE
<b>Address Line 4:</b>	BOSTON, MASSACHUSETTS 02110
<b>ATTORNEY DOCKET NUMBER:</b>	2007428-0176
<b>NAME OF SUBMITTER:</b>	SU KYUNG SUH
<b>SIGNATURE:</b>	/Su Kyung Suh/

<b>DATE SIGNED:</b>	06/09/2017
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**Total Attachments: 9**

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- source=2007428-0176 executed Joint Assignment#page2.tif
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**JOINT ASSIGNMENT**

WHEREAS, each of the below-named inventors whose name and residence is set forth in the following Table 1:

<b>Inventor Name</b>	<b>City, State</b>
<b>1. Danielle Norton</b>	Toronto, Ontario
<b>2. Nikolai Loukine</b>	Toronto, Ontario
<b>3. Rachel Gong</b>	Mississauga, Ontario
<b>4. Henry Galas</b>	Toronto, Ontario
<b>5. Jose Amado Dinglasan</b>	Toronto, Ontario
<b>6. Anjan Kumar Das</b>	Oakville, Ontario
<b>7. Darren J. Anderson</b>	Toronto, Ontario

Table 1

hereby declares and agrees, on behalf of himself/herself and all of his/her successors and assigns that each is aware of the patent application(s) entitled:

**PYRETHROID FORMULATIONS; and**

identified by United States Application Serial No. **PCT/IB2012/002832** filed in the United States Patent and Trademark Office on **August 23, 2012**; and

is also aware of the following priority applications:

- Serial No.: US 61/526,433; Filed: August 23, 2011**
- Serial No.: US 61/589,548; Filed: January 23, 2012**
- Serial No.: US 61/641,384; Filed: May 2, 2012**
- Serial No.: US 61/641,518; Filed: May 2, 2012**

WHEREAS **Vive Crop Protection Inc.** (hereinafter "ASSIGNEE"), having a usual place of business at **700 Bay Street, Suite 1100, Toronto, Ontario M5G 1Z6 CANADA**, desires to acquire or confirm an interest therein;

NOW, THEREFORE, to all whom it may concern be it known that, in consideration of agreements previously and duly entered into between the parties, and/or for other good and valuable consideration, the receipt of which is hereby acknowledged, I have sold, assigned, and transferred and/or do hereby sell, assign, and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, my entire right, title, and interest in and throughout the United States of America, its territories and all foreign countries, in and to any and all inventions described in the patent application, and/or any priority applications noted above; and hereby confirm that my sale, assignment and transfer is and was effective at least as of the filing date of the patent application and/or priority application. My sale, assignment and transfer applies to the above-referenced patent application, and to any application that is based in whole or in part on the patent application, including to divisional, continuing, substitute, renewal, reissue,

reexamination and other applications, for example that claim priority to the patent application. Also, this sale, assignment and transfer pertains to any and all other rights arising under or pursuant to any and all international agreements, treaties, or laws relating to the protection of industrial property, including all rights of priority under the International Convention for the Protection of Industrial Property, and in and to any such patent(s) as may issue thereon including any and all original and reissued patents which have been or shall be issued in the United States and foreign countries; said inventions, applications, and patent(s) to be held and enjoyed by ASSIGNEE for its own use and for its successors, assigns and legal representatives, to the full end of the term for which said patent(s) may be granted as fully and entirely as the same would have been held by me had this sale, assignment and transfer not been made;

AND, I hereby acknowledge that this Assignment, being of my entire right, title, and interest in and to the inventions, carries with it the right in ASSIGNEE, by attorneys and agents of ASSIGNEE selection, to apply for and receive any and all patent(s) for said inventions in its own name;

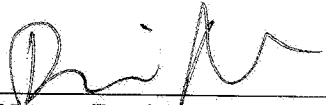
AND, I hereby further agree for myself and my executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the patent(s) to ASSIGNEE, its successors, assignees, and legal representatives, but at its expense and charges, including the execution of application for patents in foreign countries, the execution of substitution, reissue, divisional or continuation applications, and the giving of testimony, preliminary statements, or other statements in any interference or other proceeding in which the inventions or any applications or patents directed to the inventions may be involved by communicating to the ASSIGNEE all facts I know relating to the inventions and their history, and generally by doing everything possible which ASSIGNEE shall consider desirable for aiding in securing and maintaining proper patent protection for the inventions and for vesting title in the inventions and all applications for patent and all patents on the inventions in ASSIGNEE;

AND, I further hereby authorize ASSIGNEE or its attorneys or agents to insert the correct serial number(s) and/or filing date(s) into this assignment document, if appropriate;

AND, I hereby appoint ASSIGNEE as my common agent for purposes of prosecuting international patent applications and any national patent applications for which such common agency is recognized;

AND, I hereby request the Director of Patents and Trademarks of the United States to issue any and all patent(s) as shall be granted upon said application or applications based thereon to ASSIGNEE, its successors, assigns, and legal representatives;

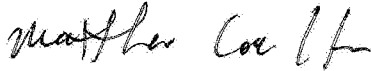
AND, I covenant with said ASSIGNEE that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by me, and that full right to convey the same as herein expressed is possessed by me.



Name: **Danielle Norton**

6-Mar-2013

Date

Witness Signature: 

Matthew Coulter

Name (please print):

March 6, 2013

Date

Witness Signature: 

Jeffrey Berkholz

Name (please print):

3.6.13

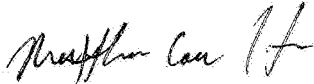
Date



Name: **Nikolai Loukine**

March 6, 2013

Date

Witness Signature: 

Matthew Coulter

Name (please print):

March 6, 2013

Date

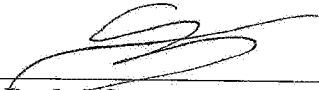
Witness Signature: 

Jeffrey Buddholz


Name (please print):

3.6.13

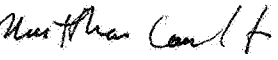
Date

  
Name: **Rachel Gong**


March 6 2013  
Date

Witness Signature:   
Jeffrey Berholz  
Name (please print):


3.6.13  
Date

Witness Signature:   
Matthew Coult  
Name (please print):


March 6, 2013  
Date

  
Name: **Henry Galas**

6-Mar-2013  
Date

Witness Signature:   
Name (please print): Matthew Coulter

March 6, 2013  
Date


Witness Signature:   
Name (please print): Jetha Rodnitz

3.6.13  
Date

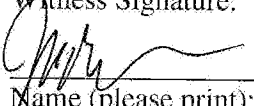


  
Name: **Jose Amado Dinglasan**

4 March 2013  
Date

Witness Signature:  
  
Name (please print): **DARREN ANDERSON**

Mar 4 / 2013  
Date

Witness Signature:  
  
Name (please print): **Jeffrey Bুদ্ধ**

3.4.13  
Date

Anjan Kumar Das  
Name: Anjan Kumar Das


08/03/2013  
Date

Witness Signature: Matthew Coulter  
Name (please print): Matthew Coulter

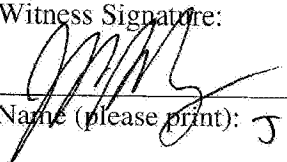
March 6, 2013  
Date

Witness Signature: Jeffrey Beckelz  
Name (please print): Jeffrey Beckelz

3.6.13  
Date

  
Name: **Darren J. Anderson**

Mar 4/13  
Date

Witness Signature:  
  
Name (please print): **Jeffrey Berdeholz**

3.4.13  
Date

Witness Signature: **Matthew Coulter**  
Matthew Coulter  
Name (please print):

March 4, 2013  
Date