

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JOSEPH LANGLAIS	04/11/2014
PETER DONALD WAITE	04/11/2014
FRANCIS BRETON	04/11/2014
SERGE MUNGER	04/11/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	RIO TINTO ALCAN INTERNATIONAL LIMITED
<b>Street Address:</b>	1188 SHERBROOKE WEST
<b>City:</b>	MONTRÉAL, QC
<b>State/Country:</b>	CANADA
<b>Postal Code:</b>	H3A 3G2
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14894815
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(312)463-5001
<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>	3124635502
<b>Email:</b>	ndesverchere@bannerwitcoff.com,bwptopat@bannerwitcoff.com
<b>Correspondent Name:</b>	BANNER & WITCOFF, LTD.
<b>Address Line 1:</b>	10 SOUTH WACKER DRIVE, SUITE 3000
<b>Address Line 4:</b>	CHICAGO, ILLINOIS 60606
<b>ATTORNEY DOCKET NUMBER:</b>	007804.00009
<b>NAME OF SUBMITTER:</b>	NATHALIE DESVERCHÈRE
<b>SIGNATURE:</b>	/Nathalie Desverchère/
<b>DATE SIGNED:</b>	12/10/2015
<b>Total Attachments: 2</b>	
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Our Reference: 05001032-364USPR

## UNIVERSAL ASSIGNMENT OF INVENTION

WHEREAS,

Name: LANGLAIS, Joseph  
Address: 2140 Pasteur, Saguenay QC G7X 4G5, Canada

Name: WAITE, Peter Donald  
Address: 58 rue De Crespioul, Saguenay QC G7H 7M3, Canada

Name: BRETON, Francis  
Address: 1764 des Cent-Associés, Saguenay QC G7H 7C3, Canada

Name: MUNGER, Serge  
Address: 6389 Portage des Roches-Nord, Saguenay QC G7N 1Z9, Canada

(hereinafter referred to as the "Assignor"), has invented one or more invention(s) relating to and entitled

### ROTARY INJECTOR AND PROCESS OF ADDING FLUXING SOLIDS IN MOLTEN ALUMINUM

set forth and described in United States Patent Application No. 61/828,215

(herein after referred to as the "Invention");

AND WHEREAS,

Name : RIO TINTO ALCAN INTERNATIONAL LIMITED  
Address : 1188 Sherbrooke West, Montréal QC H3A 3G2, Canada

(hereinafter referred to as the "Assignee")

desires to have the entire right, title, interest, property and benefit in and for Canada, the United States, and all other countries and jurisdictions in the world, in and to the Invention;

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Assignor agrees to and does hereby:

confirm to have sold, assigned, transferred, and set over to the Assignee, at least as early as 25/06/13 (dd/mm/yy), and, to any extent to have not already sold, assigned, transferred or set over to Assignee, does hereby sell, assign, transfer and set over to the Assignee, and to the Assignee's successors, assigns, nominees or other legal representatives, its entire right, title, interest, property and benefit including any right to sue for past infringements in and for Canada, the United States, and all other countries and jurisdictions in the world, in and to the Invention, any and all applications filed therefore, including any and all corresponding applications whether in the form of divisions, continuations, re-examinations, re-issues and extensions thereof, any and all patents that may issue, be granted or result therefrom for the Invention, and any and all rights of priority resulting from the filing of any of the above-identified applications and any previously filed applications in respect of the Invention under international conventions, treaties or otherwise, the same to be held and enjoyed fully and exclusively;

do all lawful acts and to execute and deliver, without further consideration other than expenses reasonably incurred, all further documents as may reasonably be required by the Assignee, or by its successors, assigns, nominees, or other legal representatives, to obtain said Patents in Canada and all other countries and jurisdictions for the Invention and vest or secure the same in the Assignee, and in the Assignee's successors, assigns, nominees or other legal representatives; and

grant to said Assignee, its successors, assigns, nominees or other legal representatives, including its patent agents and attorneys, the power to insert on this assignment any further information which may be necessary or desirable in order to place this document in compliance for recordation.

THIS ASSIGNMENT may be executed in counterparts, all of which shall be considered one and the same agreement.

Date: 2014/04/11  
(YYYY/MM/DD)

Assignor: X [Signature]  
Name: LANGLAIS, Joseph

Witness: X [Signature]  
Name: ALAIN FORNIN NOTAIRE

Date: 2014/04/11  
(YYYY/MM/DD)

Assignor: X [Signature]  
Name: WAITE, Peter Donald

Witness: X [Signature]  
Name: ALAIN FORNIN NOTAIRE

Date: 2014/04/11  
(YYYY/MM/DD)

Assignor: X [Signature]  
Name: BRETON, Francis

Witness: X [Signature]  
Name: ALAIN FORNIN NOTAIRE

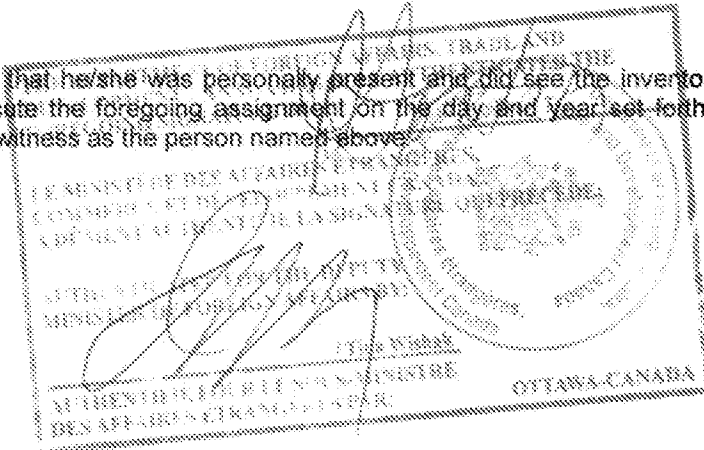
Date: 2014/04/11  
(YYYY/MM/DD)

Assignor: X [Signature]  
Name: MUNGER, Sarge

Witness: X [Signature]  
Name: ALAIN FORNIN NOTAIRE

Declaration of Witness

Each witness hereby declares that he/she was personally present and did see the inventor for which he/she is witnessing duly sign and execute the foregoing assignment on the day and year set forth above, the inventor being personally known to the witness as the person named above.



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