503557177 11/05/2015

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

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YUHIL SLUSARENKO	08/12/2014

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14826862

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NAME OF SUBMITTER:	JOEY WARD
SIGNATURE:	/Joey Ward/
DATE SIGNED:	11/05/2015

Total Attachments: 4

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PATENT 503557177 REEL: 036972 FRAME: 0678

Any, Dkt. No. 62304-918771 Novelis Ref: IR5777 US (4)

ASSIGNMENT (Patent Application)

We, the undersigned, have invented certain inventions and improvements disclosed in U.S. Patent Application No. 14/501,614 entitled "ELECTRODE CONFIGURATION FOR LIMCA" filed with the United States Patent and Trademark Office on September 30, 2014, which is a continuation of U.S. Patent Application No. 12/290,257 filed October 29, 2008, which is a continuation of U.S. Patent Application No. 11/067,768 filed February 28, 2005, issued as U.S. Patent No. 7,459,896, which claims the benefit of U.S. Provisional Patent Application No. 60/550,998 filed March 4, 2004.

For one dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which we acknowledge, we:

- Agree to assign, transfer, convey, and sell, hereby assign, transfer, convey, and sell and have assigned, transferred, conveyed, and sold to Novelis Inc., 3560 Lenox Road, Suite 2000, Atlanta, Georgia 30326 ("Assignce"), the entire right, title, and interest in and to:
 - (a) all intellectual property (including, without limitation, any innovation, information, invention, discovery, product, process, work or design) disclosed, embodied, shown, or claimed in the above-referenced patent application, implicitly or explicitly;
 - (b) the above-referenced patent application, the right to claim priority to the above-referenced patent application, all applications based in whole or in part upon the above-referenced patent application, including, without limitation, all applications that are a provisional, non-provisional, design, divisional, continuation, continuation-in-part, registration, utility model, industrial design, reissue, renewal, substitute, extension, reexamination, post-grant review, inter partes review, supplemental examination or non-U.S. patent application or application for other rights based in whole or in part on the above-referenced patent application;
 - (c) all patents (including, without limitation, all U.S. and non-U.S. patents, registrations, utility models, industrial designs, design patents, counterparts, continuations, continuations-in-part, divisionals, reissues, renewals, substitutes, extensions, reexaminations, post-grant reviews, interpartes reviews and supplemental examinations) that are granted or issued upon, or that claim priority to, any and all applications described in (b) of this paragraph or that disclose or claim intellectual property described in (a) of this paragraph, in whole or in part; and

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- (d) all claims for damages by reason of past infringement of any rights under the applications or patents described in (a), (b) or (c) of this paragraph (including provisional rights to reasonable royalties pursuant to 35 U.S.C. §154(d)) and the right to sue for and collect such damages and royalties for Assignee's own use.
- Authorize and request the U.S. Patent and Trademark Office or any other U.S. or non-U.S. agency to issue to the Assignee any and all patent(s), or other rights or documents, resulting from the intellectual property, patent application(s) and patents described in paragraph I of this Assignment.
- 3. Agree to sign all papers and documents, including without limitation, applications, declarations, oaths and petitions, and, at the Assignee's expense, perform any other acts that are necessary in connection with prosecution of patent application(s) or intellectual property described in paragraph 1 of this Assignment and the enforcement of patent(s) or other rights resulting from such patent application(s) or intellectual property.
- 4. Agree that the terms, covenants, and conditions of this Assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon us, as well as our heirs, legal representatives, and assigns.
- 5. Promise and affirm that we have not entered, and will not enter, into any assignment, contract, or understanding that conflicts with this Assignment.

PATENT REEL: 036972 FRAME: 0680 U.S. Patent Application No. 14/501,614 ASSIGNMENT Page 3 of 4

Signec	I on the date indica	ited beside my signature.	
Signat	/ACQUES N	Mariotte	Date: 1800mber 1273014
Witnes	38081		
1.	Signed: Printed Name: Address:		ss ss
2.	Signed: Printed Name: Address:		

U.S. Patent Application No. 14/501,614 ASSIGNMENT Page 4 of 4

RECORDED: 11/05/2015

Signed	on the date indica	ted beside my signature.		
Signati	arc: <u>/////</u> VUHIL SLU:	Algerije Sarenko	Date:	8/12/2014
Witnes	ses:			
1.	Signed: Printed Name: Address:			
Ž.	Signed: Printed Name: Address:			

PATENT REEL: 036972 FRAME: 0682