

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4360857

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	ASSIGNMENT		
CONVEYING PARTY DATA			
	Name	Execution Date	
	NEIL EDMUNDS	11/22/2010	
	MAURO CIMOLAI	11/19/2010	
RECEIVING PARTY DATA			
Name:	LARICINA ENERGY LTD.		
Street Address:	425 1ST ST SW		
Internal Address:	SUITE 800		
City:	CALGARY, ALBERTA		
State/Country:	CANADA		
Postal Code:	T2P 3L8		
PROPERTY NUMBERS Total: 1			
	Property Type	Number	
	Application Number:	15483239	
CORRESPONDENCE DATA			
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ATTORNEY DOCKET NUMBER:	GCSD-2340C (61813CON3)		
NAME OF SUBMITTER:	CHRISTOPHER F. REGAN		
SIGNATURE:	/CHRISTOPHER F. REGAN/		
DATE SIGNED:	04/10/2017		
Total Attachments: 2			
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Assignment - World - application

ASSIGNMENT (World)

WHEREAS,

Neil EDMUNDS and Mauro CIMOLAI

hereinafter referred to as the "Assignors", whose full post office addresses are

4100, 1500-6th Avenue SW, Calgary, Alberta T2P 3Y7, Canada

65 Arbour Butte Road, NW, Calgary, Alberta T3G 4L0, Canada

have made an invention relating to and entitled:

Effective Solvent Extraction System Incorporating Electromagnetic Heating

hereinafter referred to as the "Invention", as fully set forth and described in applications for Letters Patent identified as:

Country	Application Number	Filing Date
U.S.A.	12/948,671	November 17, 2010
WO	PCT/US2010/057090	November 17, 2010

hereinafter referred to as the "Applications";

AND WHEREAS,

Laricina Energy Ltd.

hereinafter referred to as the "Assignee", whose full post office address is

**4100, 150 - 6th Avenue, SW, West Tower, PetroCanada, Calgary, AB, T2P 3Y7,
Canada**

desires to acquire the Assignor's entire right, title and interest in and to the Invention and the Applications;

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Assignors confirm that they have, as of at least November 17, 2010 sold, assigned, transferred and set over, and for greater certainty, do hereby sell, assign, transfer and set over to the Assignee, its successors, assigns, or legal representatives, their entire right, title and interest for Canada, the United States and all other countries throughout the World in and to the Invention, together with their entire right, title and interest in and to the Applications and any and all Letters Patent that may issue for the Invention, including any and all divisions, reissues, continuations and extensions of the

Applications, to the full end of the term for which each said Letters Patent may be granted, and including any right to claim priority based on the Applications, the same to be held and enjoyed as fully and completely as the same would have been held and enjoyed by the Assignors had this Assignment not been made;

AND the Assignors, on behalf of themselves and their executors and administrators, do hereby covenant and agree to do all such lawful acts and things and to execute without further consideration such further lawful assignments, documents, assurances, applications and other instruments as may reasonably be required by the Assignee, its successors, assigns, or legal representatives, to obtain any and all Letters Patent for the Invention and vest the same in the Assignee, its successors, assigns, or legal representatives.

AND the Assignors, on behalf of themselves and their executors and administrators, do hereby authorize the Assignee, its successors, assigns, or legal representatives, including its Patent Agents, Blake, Cassels & Graydon LLP, to amend this assignment to insert or correct the filing date, serial number or other identifying information of the Applications as may be needed to record this assignment.

Assignor 1	Witness
Name Neil EDMUNDS	Name <i>Jason Smith</i>
Signature <i>Neil Edmunds</i>	Signature <i>J. Smith</i>
Date <i>Nov. 22, 2010</i>	Date <i>Nov. 22, 2010</i>

Assignor 2	Witness
Name Mauro CIMOLAI	Name <i>Melanie Schmidt</i>
Signature <i>Mauro Cimolai</i>	Signature <i>M Schmidt</i>
Date <i>November 19/2010</i>	Date <i>Nov 19/10</i>