

## 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>
JAMES A .DUNN	12/19/2011
MAINAK GHOSH	01/11/2012
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14347561
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<b>NAME OF SUBMITTER:</b>	BRUCE M. BORDELON
<b>SIGNATURE:</b>	/Bruce M. Bordelon/
<b>DATE SIGNED:</b>	03/29/2016
<b>Total Attachments: 2</b>	
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source=2011EM339-CA-20160328-Assignment-Inv-to-IORL#page2.tif	

**ASSIGNMENT**

"We":

**DUNN, James A.  
412 Country Hills Court NW  
Calgary, Alberta T3K 3Z3  
Canada**

**GHOSH, Mainak  
202 Edgevalley Green NW  
Calgary, Alberta T3A 4X8  
Canada**

for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, do hereby sell and assign to:

**IMPERIAL OIL RESOURCES LIMITED  
3535 Research Road N.W.  
Calgary, Alberta, T2L 2K8  
Canada**

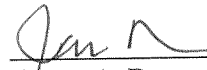
all our right, title and interest in the United States of America, Canada, and all countries foreign thereto, in and to the inventions and improvements that are disclosed in **Canadian Patent Application No. 2,757,962** filed at the Canadian Intellectual Property Office **08 November 2011**, relating to, and entitled:

**PROCESSING A HYDROCARBON STREAM USING SUPERCRITICAL WATER**

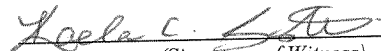
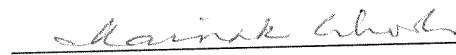
and to any application for patent claiming priority therefrom, and to all our corresponding right, title and interest in and to any patent issued therefrom, and to any patent issued from a continuation, continuation-in-part, re-issue, divisional or re-examination application derived, or claiming priority, from the above application.

We agree to co-operate in obtaining the above-mentioned patent protection, and to execute such documents as may be required to file the above-mentioned applications, and secure the above-mentioned patents, in the name of the assignee, or its successors in title.


We authorize the firm of Borden Ladner Gervais LLP to insert any further identification necessary to make this assignment suitable for recordation in the Patent Offices of any country as may be required.

SIGNED at Calgary, ABThis 19<sup>th</sup> day of December, 20 11.  
James A. Dunn

## STATEMENT BY WITNESS

I, Kaela Scott whose full post office address is  
(Name of Witness)85 Hunterdon Crescent NE Calgary, AB T2K 6A2was personally present and did see **James A. Dunn** execute the within assignment and such assignor is personally known to me to the person described in such document.  
(Signature of Witness)SIGNED at CalgaryThis 11<sup>th</sup> day of January, 20 12.  
Mainak Ghosh

## STATEMENT BY WITNESS

I, Michelle Young whose full post office address is  
(Name of Witness)132 Stratton Crescent SW, Calgary, Alberta  
T3H 1V7was personally present and did see **Mainak Ghosh** execute the within assignment and such assignor is personally known to me to the person described in such document.  
(Signature of Witness)