

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5429959

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
FEI QI	10/17/2018
MATHEW WALKER	10/19/2018
RECEIVING PARTY DATA	
Name:	SUNCOR ENERGY INC.
Street Address:	150-6TH AVENUE S.W., PO BOX 2844
City:	CALGARY
State/Country:	CANADA
Postal Code:	T2P 3E3
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16358426
CORRESPONDENCE DATA	
Fax Number:	(416)863-2653
<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>	
Phone:	416.863.2400
Email:	epatent@blakes.com
Correspondent Name:	BLAKE, CASSELS & GRAYDON LLP - B. SLANEY
Address Line 1:	COMMERCE COURT WEST
Address Line 2:	199 BAY STREET, SUITE 4000
Address Line 4:	TORONTO, CANADA M5L 1A9
ATTORNEY DOCKET NUMBER:	83862/00637
NAME OF SUBMITTER:	JUDITH MARTIN
SIGNATURE:	/Judith Martin/
DATE SIGNED:	03/19/2019
Total Attachments: 2	
source=Suncor637_Assignment#page1.tif	
source=Suncor637_Assignment#page2.tif	

ASSIGNMENT (World)

WHEREAS,

- 1) **Fei QI**
- 2) **Mathew WALKER**

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

- 1) **150 - 6th Avenue S.W., P.O. Box 2844, Calgary, Alberta, T2P 3E3, Canada**
- 2) **150 - 6th Avenue S.W., P.O. Box 2844, Calgary, Alberta, T2P 3E3, Canada**

has made one or more inventions relating to and entitled:

**Systems and Methods for Predicting Tube Fouling in a Fired Apparatus, and
For Utilizing Tube Fouling Predictions**

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

Country: **Canada**
Serial number: **3,003,072**
Filing date: **April 30, 2018;**

hereinafter referred to as the "Application";

AND WHEREAS,

Suncor Energy Inc.

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


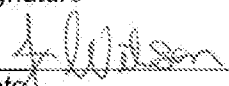
150 - 6th Avenue S.W., P.O. Box 2844, Calgary, Alberta, T2P 3E3, Canada

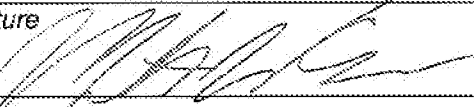
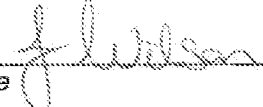
desires to acquire the Assignor's entire right, title and interest in and to the Invention and the Application;

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 Assignor confirms that it has, as of April 30, 2018, sold, assigned, transferred and set over, and for greater certainty, does hereby sell, assign, transfer and set over to the Assignee, its successors, assigns, or legal representatives, its entire right, title and interest for Canada, the United States and all other countries throughout **the World** in and to the Invention, together with its entire right, title and interest in and to the Application and any and all Letters Patents that may issue for the Invention, including any and all divisions, reissues, continuations and extensions of the Application, to the full end of the term for which each of said Letters Patents may be granted, and including any right to claim priority based on the Application, the same to be held and enjoyed as fully and completely as the same would have been held and enjoyed by the Assignor had this Assignment not been made.

AND the Assignor, on behalf of itself and its executors and administrators, does 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 Patents for the Invention and vest the same in the Assignee, its successors, assigns, or legal representatives.

AND the Assignor, on behalf of itself and its executors and administrators, does 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 Application as may be needed to record this assignment.

Assignor 1	Witness
Name Fei Qi	Name Jennifer Wilson
Signature 	Signature 
Date Oct 17, 2018	Date Oct. 17, 2018

Assignor 2	Witness
Name Mathew WALKER	Name Jennifer Wilson
Signature 	Signature 
Date Oct 19, 2018	Date Oct. 19, 2018