

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	CHANGE OF NAME
CONVEYING PARTY DATA	
Name	Execution Date
Marathon Oil Canada Corporation	01/14/2013
RECEIVING PARTY DATA	
Name:	Marathon Canadian Oil Sands Holding Limited
Street Address:	440 Second Avenue SW
Internal Address:	Suite 2400, Ernst & Young Tower
City:	Calgary, Alberta
State/Country:	CANADA
Postal Code:	T2P 5E9
PROPERTY NUMBERS Total: 20	
Property Type	Number
Patent Number:	7618597
Patent Number:	7988847
Patent Number:	7927565
Application Number:	12761204
Patent Number:	7998342
Patent Number:	7824453
Patent Number:	7811444
Application Number:	12579193
Application Number:	13310395
Application Number:	12749068
Application Number:	13584333
Patent Number:	7909985
Application Number:	12695885
Application Number:	12816844

Application Number:	12911409
Application Number:	13589927
Application Number:	13292747
Application Number:	13593045
Application Number:	13532453
Application Number:	13557842

CORRESPONDENCE DATA

Fax Number: 3032958261

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 303-295-8000

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Correspondent Name: Holland & Hart LLP

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Address Line 4: Denver, COLORADO 80201

ATTORNEY DOCKET NUMBER:	57031.0001
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NAME OF SUBMITTER:	Shane M. Niebergall
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Total Attachments: 3

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ASSIGNMENT

WHEREAS, Marathon Oil Canada Corporation (hereinafter "Assignor"), a Canadian corporation having a place of business at 440 Second Avenue SW, Suite 2400, Ernst & Young Tower, Calgary, Alberta T2P 5E9, Canada, is the owner of an interest in and to each of the patents and patent applications listed on the attached *Exhibit A* (collectively, the "Patents"); and

WHEREAS, Marathon Canadian Oil Sands Holding Limited (hereinafter "Assignee"), a Canadian corporation having a place of business at 440 Second Avenue SW, Suite 2400, Ernst & Young Tower, Calgary, Alberta T2P 5E9, Canada, is desirous of acquiring the entire interest in and to said patents, said applications, and any Letters Patent to be obtained therefor;

NOW THEREFORE, for valuable consideration, receipt and adequacy of which is hereby acknowledged, Assignor has sold, assigned, and set over, and does hereby sell, assign, and set over, unto the Assignee and said Assignee's legal representatives, successors, and assign, the entire right, title, and interest in and to said Patents, said applications, and the Letters Patents, both foreign and domestic, that may or shall issue thereon including all original, divisional, continuation, continuation-in-part, reissue, certificate of reexamination, and related applications, and Assignor does hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to the above-mentioned Assignee, consistent with the terms of this Assignment.

UPON SAID CONSIDERATION, Assignor does hereby covenant and agree with the said Assignee that Assignor will not execute any writing or do any act whatsoever conflicting with these presents, and that Assignor will, at any time upon request, without further or additional consideration, but at the expense of the said assignee, execute such additional assignments and other writings and do such additional acts as said Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, continuation, continuation-in-part, renewal, continuing, reissued or extended Letters Patent of the United States, or of any and all foreign countries, on said invention, and in enforcing any rights or chose an action accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing

covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of both parties.

IN WITNESS WHEREOF, and having read this entire document including all prior pages, the party hereto has executed this Assignment as of the date indicated hereunder.

Date: JAN 14, 2013

Gregory M. Zimmerman
Gregory M. Zimmerman
Vice President
Marathon Oil Canada Corporation

Signed at CALGARY ALBERTA

Before me, a Notary Public in and for the Province of Alberta, personally appeared Gregory M. Zimmerman, known to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office this 14 day of January, 2013.

My commission expires N/A.

(SEAL)

B. Campbell
Notary Public
400 3rd Avenue SW, Suite 3700
Address

Breanne Campbell
Student-at-Law

EXHIBIT A

U.S. PATENTS AND PATENT APPLICATIONS

Appl. No.	Filing Date	Patent No.	Issue Date	Title
11/233,385	09/21/2005	7,618,597	11/17/2009	NOZZLE REACTOR AND METHOD OF USE
12/245,036	10/03/2008	7,988,847	08/02/2011	NOZZLE REACTOR AND METHOD OF USE
12/466,923	05/15/2009	7,927,565	04/19/2011	NOZZLE REACTOR AND METHOD OF USE
12/761,204	04/15/2010			NOZZLE REACTOR AND METHOD OF USE
11/971,046	01/08/2008	7,998,342	08/16/2011	SEPARATION OF TAILINGS THAT INCLUDE ASPHALTENES
11/517,730	09/08/2006	7,824,453	11/02/2010	BIODIESEL PRODUCTION AND USE IN OIL SANDS PROCESSING
11/450,591	06/08/2006	7,811,444	10/12/2010	OXIDATION OF ASPHALTENES
12/579,193	10/14/2009			SYSTEM AND METHODS FOR PROCESSING NOZZLE REACTOR PITCH
13/310,395	12/02/2011			METHODS OF UPGRADING ASPHALTENE COMPOSITIONS
12/749,068	03/29/2010			NOZZLE REACTOR AND METHOD OF USE
13/584,333	08/13/2012			METHODS AND SYSTEMS FOR IN-SITU EXTRACTION OF BITUMEN
11/318,056	12/23/2005	7,909,985	03/22/2011	FRAGMENTATION OF HEAVY HYDROCARBONS USING AN OZONE-CONTAINING FRAGMENTATION FLUID
12/695,885	01/28/2010			METHODS FOR PREPARING SOLID HYDROCARBONS FOR CRACKING
12/816,844	06/16/2010			DUAL REACTOR FOR BETTER CONVERSION OF HEAVY HYDROCARBONS
12/911,409	10/25/2010			METHOD FOR MAKING BIOFUELS AND BIOLUBRICANTS
13/589,927	08/20/2012			UPGRADING HYDROCARBON MATERIAL ON OFFSHORE PLATFORMS
13/292,747	11/09/2011			HEAVY HYDROCARBON REACTOR
13/593,045	08/23/2012			METHODS AND SYSTEMS FOR UPGRADING HYDROCARBON
13/532,453	06/25/2012			METHODS AND SYSTEMS FOR UPGRADING HYDROCARBON RESIDUUM
13/557,842	07/25/2012			METHODS AND SYSTEMS FOR IN-SITU EXTRACTION OF BITUMEN

THIS IS EXHIBIT "A"

referred to in the Affidavit

Sworn before me this 14

day of January, A.D. 2013

[Signature]
 A Commissioner in and for the Province of Alberta
 Notary Public

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RECORDED: 01/23/2013

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