

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Tawfik Noaman Nasr</td> <td>01/08/2013</td> </tr> <tr> <td>David A. Brown</td> <td>01/08/2013</td> </tr> </tbody> </table>		Name	Execution Date	Tawfik Noaman Nasr	01/08/2013	David A. Brown	01/08/2013						
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Tawfik Noaman Nasr	01/08/2013												
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RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>ConcoPhillips Company</td> </tr> <tr> <td>Street Address:</td> <td>600 North Dairy Ashford</td> </tr> <tr> <td>Internal Address:</td> <td>IP Services Group- Attn: Docketing</td> </tr> <tr> <td>City:</td> <td>Houston</td> </tr> <tr> <td>State/Country:</td> <td>TEXAS</td> </tr> <tr> <td>Postal Code:</td> <td>77079</td> </tr> </table>		Name:	ConcoPhillips Company	Street Address:	600 North Dairy Ashford	Internal Address:	IP Services Group- Attn: Docketing	City:	Houston	State/Country:	TEXAS	Postal Code:	77079
Name:	ConcoPhillips Company												
Street Address:	600 North Dairy Ashford												
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PROPERTY NUMBERS Total: 1													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13742518</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13742518								
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Application Number:	13742518												
CORRESPONDENCE DATA													
Fax Number:	2812932127												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone:	281-293-5531												
Email:	Legal-IP@conocophillips.com												
Correspondent Name:	ConocoPhillips Company Legal Department												
Address Line 1:	600 North Dairy Ashford (77079-1175)												
Address Line 2:	P.O. Box 4783												
Address Line 4:	Houston, TEXAS 77210-4783												
ATTORNEY DOCKET NUMBER:	41647US												
NAME OF SUBMITTER:	Chance Hardie												
This document serves as an Oath/Declaration (37 CFR 1.63).													

CH \$40.00 13742518

Total Attachments: 6

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Assignment of Rights, Title and Interest in Invention**Docket No.:****41647US**

As the below named inventor(s), I/we declare that this is an Assignment of the rights, title and interest in the following invention:

- | | |
|-------------------------------------|---|
| <input checked="" type="checkbox"/> | <i>Rights, title and interest in the invention including United States applications and patents</i> |
| <input checked="" type="checkbox"/> | <i>United States Provisional Patent Application Serial No. <u>61/587,735</u> filed <u>01/18/2012</u></i> |
| <input checked="" type="checkbox"/> | <i>United States Utility Patent Application Serial No. _____ filed _____</i> |
| <input type="checkbox"/> | <i>United States Patent No(s). _____</i> |
| <input checked="" type="checkbox"/> | <i>Foreign rights, title and interest in the invention including international applications and patents</i> |
| <input checked="" type="checkbox"/> | <i>International (PCT) Patent Application Serial No. _____ filed _____</i> |
| <input type="checkbox"/> | <i>Other (specify) _____</i> |

Title of the Invention

A METHOD FOR ACCELERATING HEAVY OIL PRODUCTION
--

Whereas, I/we, the below-identified Inventors, have invented certain new and useful improvements in the Invention identified above and described in the above-identified patent application(s) and/or patent(s) (hereinafter referred to as "Invention");

I/we desire to assign our above-identified rights, title and interest in the Invention to the below-identified Assignee;

Therefore, for valuable consideration, the receipt of which is acknowledged, I/we hereby assign, sell and transfer our above-identified rights, title and interest in said Invention, said application(s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and any and all Letters Patent of the United States, and countries foreign thereto, which may be granted or have granted for said Invention, and in and to any and all reissues and reexaminations thereof, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignee;

I/we hereby authorize and request the Director of the United States Patent and Trademark Office to issue any United States Letters Patent which may issue for said Invention to said Assignee, as assignee of the whole right title and interest thereto;

I/we agree to sign and execute all necessary and lawful documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent, and/or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee or its Designee(s) may from time to time require and prepare at its own expense.

Assignment of Rights, Title and Interest in Invention

Docket No.:
41647US

I/we hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Assignors

<i>First Inventor:</i> <u>Tawfik Noaman Nasr</u>	<i>Residence:</i> <u>6102 Emberwood Falls Dr., Katy, TX 77494</u>
<i>Signature:</i> _____	<i>Citizenship:</i> <u>Canadian</u> <i>Date:</i> _____
<i>Second Inventor:</i> <u>David A. Brown</u>	<i>Residence:</i> <u>3307 Brinmont Place Ln., Katy, TX 77494</u>
<i>Signature:</i> _____	<i>Citizenship:</i> <u>US</u> <i>Date:</i> <u>8/JAN/2013</u>
<i>Third Inventor:</i> _____	<i>Residence:</i> _____
<i>Signature:</i> _____	<i>Citizenship:</i> _____ <i>Date:</i> _____
<i>Fourth Inventor:</i> _____	<i>Residence:</i> _____
<i>Signature:</i> _____	<i>Citizenship:</i> _____ <i>Date:</i> _____

Assignee

ConocoPhillips Company hereby accepts assignment of the above referenced patent application.

Name: ConocoPhillips Company

Mailing Address:

600 North Dairy Ashford
Houston, Texas 77079-1175
United States of America

Patent [Attorney/Agent] and Attorney-in-Fact
ConocoPhillips Company

Notarization

Executed this 8th day of January in the year 2013
At 600 N. Dairy Ashford (city) Houston, Texas (State)

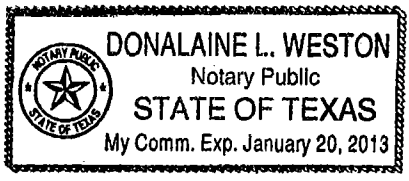
State of Texas
County of Harris

Before me, personally appeared
David A Brown

who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is authorized to execute the same this 8th day of January in the year 2013

Donalaine L. Weston
(Notary Public)

[SEAL]



My Commission Expires:
Jan. 20, 2013

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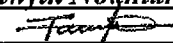
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PATENT**REEL: 029637 FRAME: 0910**

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Third Inventor: _____	Residence: _____
Signature: _____	Citizenship: _____ Date: _____
Fourth Inventor: _____	Residence: _____
Signature: _____	Citizenship: _____ Date: _____

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At Houston (city) TEXAS (State)

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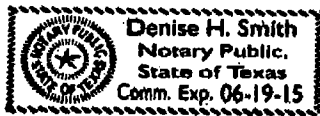
County of Harris

Before me personally appeared
TAWFIK NOAMAN NASIR

who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is authorized to execute the same this 8th day of January in the year 2013

Denise H. Smith
(Notary Public)

[SEAL]



My Commission Expires:

6/19/15