

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Bruce B. Randolph</td> <td>06/10/2011</td> </tr> <tr> <td>Bruce Welch</td> <td>06/14/2011</td> </tr> <tr> <td>Roland Schmidt</td> <td>06/20/2011</td> </tr> <tr> <td>Edward L. Sughrue II</td> <td>06/23/2011</td> </tr> </tbody> </table>		Name	Execution Date	Bruce B. Randolph	06/10/2011	Bruce Welch	06/14/2011	Roland Schmidt	06/20/2011	Edward L. Sughrue II	06/23/2011		
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RECEIVING PARTY DATA													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>ConocoPhillips Company</td> </tr> <tr> <td>Street Address:</td> <td>600 North Dairy Ashford</td> </tr> <tr> <td>Internal Address:</td> <td>IP-Legal - ML 1065</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>77079-1175</td> </tr> </table>		Name:	ConocoPhillips Company	Street Address:	600 North Dairy Ashford	Internal Address:	IP-Legal - ML 1065	City:	Houston	State/Country:	TEXAS	Postal Code:	77079-1175
Name:	ConocoPhillips Company												
Street Address:	600 North Dairy Ashford												
Internal Address:	IP-Legal - ML 1065												
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PROPERTY NUMBERS Total: 1													
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13156475</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13156475								
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CORRESPONDENCE DATA													
<p>Fax Number: (281)293-2127</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 281/293-3454</p> <p>Email: Legal-IP@conocophillips.com</p> <p>Correspondent Name: ConocoPhillips Company IP Services Group</p> <p>Address Line 1: 600 N. Dairy Ashford</p> <p>Address Line 2: Bldg. ML-1065</p> <p>Address Line 4: Houston, TEXAS 77079</p>													
ATTORNEY DOCKET NUMBER:	34087CIP												
NAME OF SUBMITTER:	Richard Yuen												

CH \$40.00 13156475

501588266

PATENT
REEL: 026557 FRAME: 0670

Total Attachments: 8

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Assignment of Rights, Title and Interest in Invention**Docket No.:**
34087CIP

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

- ☒ *Rights, title and interest in the invention including United States applications and patents*
☒ *United States Provisional Patent Application Serial No. 61/109,700 filed 10/30/2008*
☒ *United States Utility Patent Application Serial No. 12/607,809 filed 10/28/2009*
☐ *United States Patent No(s). _____*
☒ *Foreign rights, title and interest in the invention including international applications and patents*
☐ *International (PCT) Patent Application Serial No. _____ filed _____*
☐ *Other (specify) _____*

Title of the Invention

PROCESS FOR UPGRADING HYDROCARBONS

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;

Now, this indenture witnesseth, that for good and valuable consideration, the receipt whereof is hereby 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.:****34087CIP**

I/we declare under penalty of perjury under the laws of the United States of America that the foregoing is true and correct and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Assignors

First Inventor: <u>Bruce B. Randolph</u>	Residence: <u>2700 Roanoke Ridge Road, Bartlesville, OK 74006</u>
Signature: <u>Bruce B. Randolph</u>	Citizenship: <u>US</u> Date: <u>June 10, 2011</u>
Second Inventor: <u>Bruce Welch</u>	Residence: <u>3 Wadesfield Drive, Greenbrier, AR 72058</u>
Signature: _____	Citizenship: <u>US</u> Date: _____
Third Inventor: <u>Roland Schmidt</u>	Residence: <u>1856 Hillcrest Drive, Bartlesville, OK 74003</u>
Signature: _____	Citizenship: <u>DE</u> Date: _____
Fourth Inventor: <u>Edward L. Sughrue II</u>	Residence: <u>6468 Clear Creek Loop, Bartlesville, OK 74006</u>
Signature: _____	Citizenship: <u>US</u> Date: _____

Assignee**Name:** ConocoPhillips Company**Mailing Address:** 600 North Dairy Ashford
Houston, Texas 77079-1175
United States of America

Assignment of Rights, Title and Interest in Invention

Docket No.:
34087CIP

Notarization

Executed this 10 day of June in the year 2011
At Bartlesville (city) OK (State)

State of Oklahoma

County of Washington

Before me personally appeared

Bruce B. Randolph

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 10th day of June in the year 2011

Shanda Davis
(Notary Public)

[SEAL]



My Commission Expires:

7/18/11

Assignment of Rights, Title and Interest in Invention	Docket No.: 34087CIP
<p>I/we declare under penalty of perjury under the laws of the United States of America that the foregoing is true and correct and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.</p>	
Assignors	
<u>First Inventor: Bruce B. Randolph</u>	<u>Residence: 2700 Roanoke Ridge Road, Bartlesville, OK 74006</u>
<u>Signature: _____</u>	<u>Citizenship: US</u> <u>Date: _____</u>
<u>Second Inventor: Bruce Welch</u>	<u>Residence: 3 Wadesfield Drive, Greenbrier, AR 72058</u>
<u>Signature: <i>Bruce Welch</i></u>	<u>Citizenship: US</u> <u>Date: <i>January 2, 1977</i></u>
<u>Third Inventor: Roland Schmidt</u>	<u>Residence: 1856 Hillcrest Drive, Bartlesville, OK 74003</u>
<u>Signature: _____</u>	<u>Citizenship: DE</u> <u>Date: _____</u>
<u>Fourth Inventor: Edward L. Sughrue II</u>	<u>Residence: 6468 Clear Creek Loop, Bartlesville, OK 74006</u>
<u>Signature: _____</u>	<u>Citizenship: US</u> <u>Date: _____</u>
Assignee	
<u>Name: ConocoPhillips Company</u>	<u>Mailing Address: 600 North Dairy Ashford</u>
<u>_____</u>	<u>Houston, Texas 77079-1175</u>
<u>_____</u>	<u>United States of America</u>

Assignment of Rights, Title and Interest in Invention

Docket No.:
34087CIP

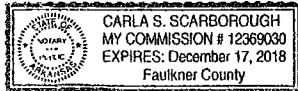
Notarization OF BRUCE WELCH

Executed this 14 day of June in the year 2011
At First Service Bank (city) Greenville SC (State)
State of Arkansas
County of Faulkner
Before me personally appeared
Bruce Welch

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 14th day of June in the year 2011

Carla S. Scarborough
(Notary Public)

[SEAL]



My Commission Expires:
12-17-2018

Assignment of Rights, Title and Interest in Invention	Docket No.: 34087CIP
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I/we declare under penalty of perjury under the laws of the United States of America that the foregoing is true and correct and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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Signature: _____	Citizenship: <u>US</u> Date: _____
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Signature: _____	Citizenship: <u>US</u> Date: _____
Third Inventor: <u>Roland Schmidt</u>	Residence: <u>1856 Hillcrest Drive, Bartlesville, OK 74003</u>
Signature: <u>[Signature]</u>	Citizenship: <u>DE</u> Date: <u>06/20/2011</u>
Fourth Inventor: <u>Edward L. Sughrue II</u>	Residence: <u>6468 Clear Creek Loop, Bartlesville, OK 74006</u>
Signature: _____	Citizenship: <u>US</u> Date: _____

Assignee

Name: <u>ConocoPhillips Company</u>	Mailing Address: <u>600 North Dairy Ashford</u> <u>Houston, Texas 77079-1175</u> <u>United States of America</u>
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Fourth Inventor: <u>Edward L. Sughrue II</u>	Residence: <u>6468 Clear Creek Loop, Bartlesville, OK 74006</u>
Signature: <u>Edward L. Sughrue II</u>	Citizenship: <u>US</u> Date: <u>June 23, 2011</u>

Assignee

Name: <u>ConocoPhillips Company</u>	Mailing Address: <u>600 North Dairy Ashford</u> <u>Houston, Texas 77079-1175</u> <u>United States of America</u>
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PATENT**REEL: 026557 FRAME: 0678**

Assignment of Rights, Title and Interest in Invention

Docket No.:

34087CIP

Notarization

Executed this 23 day of June in the year 2011At Bartlesville (city) Oklahoma (State)State of OklahomaCounty of Washington

Before me personally appeared

Edward L. Sughrue II

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 23rd day of June in the year 2011Shanda Davis

(Notary Public)

[SEAL]



My Commission Expires:

7/18/11