

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>Dwijen K. Banerjee</td> <td>06/20/2011</td> </tr> <tr> <td>John L. Stalder</td> <td>06/10/2011</td> </tr> <tr> <td>Daniel R. Sultenfuss</td> <td>06/16/2011</td> </tr> <tr> <td>Wayne Reid Dreher, Jr.</td> <td>06/20/2011</td> </tr> <tr> <td>Thomas J. Wheeler</td> <td>06/13/2011</td> </tr> </tbody> </table>		Name	Execution Date	Dwijen K. Banerjee	06/20/2011	John L. Stalder	06/10/2011	Daniel R. Sultenfuss	06/16/2011	Wayne Reid Dreher, Jr.	06/20/2011	Thomas J. Wheeler	06/13/2011
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Thomas J. Wheeler	06/13/2011												
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												
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PROPERTY NUMBERS Total: 1													
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CORRESPONDENCE DATA													
<p>Fax Number: (281)293-2127 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 281/293-3454 Email: Legal-IP@conocophillips.com Correspondent Name: ConocoPhillips Company IP Services Group Address Line 1: 600 N. Dairy Ashford Address Line 2: Bldg. ML-1065 Address Line 4: Houston, TEXAS 77079</p>													
ATTORNEY DOCKET NUMBER:	34313CIP5												

CH \$40.00 13154924

501588918

PATENT
REEL: 026562 FRAME: 0126

NAME OF SUBMITTER:

Richard Yuen

Total Attachments: 11

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Assignment of Rights, Title and Interest in Invention**Docket No.:**
34313CIP5

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. 61/382,675 filed 09/14/2010*
☒ *United States Provisional Patent Application Serial No. 61/448,882 filed 03/03/2011*
☒ *United States Utility Patent Application Serial No. 12/239,051 filed 09/26/2008*
☐ *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 ENHANCED PRODUCTION OF HEAVY OIL USING MICROWAVES**

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.:****34313CIP5**

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>Dwijen K. Banerjee</u>	Residence: <u>9406 N. 103rd East Place, Owasso, OK 74055</u>
Signature: <u><i>DW Banerjee</i></u>	Citizenship: <u>US</u> Date: <u>06/20/2011</u>
Second Inventor: <u>John L. Stalder</u>	Residence: <u>508 Sienna Park Drv. SW, Calgary, AB T3H 3L2</u>
Signature: _____	Citizenship: <u>US</u> Date: _____
Third Inventor: <u>Daniel R. Sultenfuss</u>	Residence: <u>8606 Springmere Ct., Houston, TX 77095</u>
Signature: _____	Citizenship: <u>US</u> Date: _____
Fourth Inventor: <u>Wayne Reid Dreher Jr.</u>	Residence: <u>4802 Wayne Ct., College Station, TX 77845</u>
Signature: _____	Citizenship: <u>US</u> Date: _____
Fifth Inventor: <u>Thomas J. Wheeler</u>	Residence: <u>1408 W. 24th Street, Houston, TX 77008</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**PATENT****REEL: 026562 FRAME: 0129**

Assignment of Rights, Title and Interest in Invention

Docket No.:

34313CIP5

Notarization

Executed this 20 day of June in the year 2011

At Owasso (city) OK (State)

State of OK

County of TULSA

Before me personally appeared

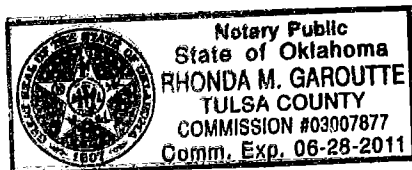
Dwijen Banerjee

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 20 day of June in the year 2011

Rhonda M. Garoutte
(Notary Public)

[SEAL]



My Commission Expires:

6-28-2011

PATENT

REEL: 026562 FRAME: 0130

Assignment of Rights, Title and Interest in Invention	Docket No.: 34313CIP5
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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: _____
Second Inventor: <u>John L. Stalder</u>	Residence: <u>508 Sienna Park Drv. SW, Calgary, AB T3H 3L2</u>
Signature: <u>John L. Stalder</u>	Citizenship: <u>US</u> Date: <u>10 June 2011</u>
Third Inventor: <u>Daniel R. Sultenfuss</u>	Residence: <u>8606 Springmere Ct., Houston, TX 77095</u>
Signature: _____	Citizenship: <u>US</u> Date: _____
Fourth Inventor: <u>Wayne Reid Dreher Jr.</u>	Residence: <u>4802 Wayne Ct., College Station, TX 77845</u>
Signature: _____	Citizenship: <u>US</u> Date: _____
Fifth Inventor: <u>Thomas J. Wheeler</u>	Residence: <u>1408 W. 24th Street, Houston, TX 77008</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>

Assignment of Rights, Title and Interest in Invention

Docket No.:

34313CIP5

Notarization

Executed this 10th day of June in the year 2011

At Calgary (city) Alberta (State)

State of _____

County of _____

Before me personally appeared

John L. Stalder

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

Michael P. Kleiser

(Notary Public)

NOTARY PUBLIC IN AND FOR
ALBERTA

[SEAL]

My Commission Expires:

N/A

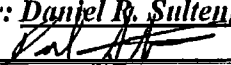
PATENT

REEL: 026562 FRAME: 0132

Assignment of Rights, Title and Interest in Invention	Docket No.: 34313CIP5
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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.

Assignors

First Inventor: <u>Dwijen K. Banerjee</u>	Residence: <u>9406 N. 103rd East Place, Owasso, OK 74055</u>
Signature: _____	Citizenship: <u>US</u> Date: _____
Second Inventor: <u>John L. Stalder</u>	Residence: <u>508 Sienna Park Drv. SW, Calgary, AB T3H 3L2</u>
Signature: _____	Citizenship: <u>US</u> Date: _____
Third Inventor: <u>Daniel R. Sultenfuss</u>	Residence: <u>8606 Springmere Ct., Houston, TX 77095</u>
Signature: 	Citizenship: <u>US</u> Date: <u>6-16-2011</u>
Fourth Inventor: <u>Wayne Reid Dreher Jr.</u>	Residence: <u>4802 Wayne Ct., College Station, TX 77845</u>
Signature: _____	Citizenship: <u>US</u> Date: _____
Fifth Inventor: <u>Thomas J. Wheeler</u>	Residence: <u>1408 W. 24th Street, Houston, TX 77008</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>

Assignment of Rights, Title and Interest in Invention

Docket No.:

34313CIP5

Notarization

Executed this 16th day of June in the year 2011

At Houston (city) TEXAS (State)

State of TEXAS

County of Harris

Before me personally appeared

Daniel R. Sultenfuss

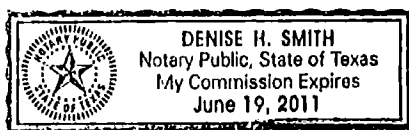
who acknowledged the foregoing instrument to be a free act and deed and also represented that he or she is

authorized to execute the same this 16th day of June in the year 2011

Denise H. Smith

(Notary Public)

[SEAL]



My Commission Expires:

6/19/2011

PATENT

REEL: 026562 FRAME: 0134

Assignment of Rights, Title and Interest in Invention	Docket No.: 34313CIP5
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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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First Inventor: <u>Dwijen K. Banerjee</u> Signature: _____	Residence: <u>9406 N. 103rd East Place, Owasso, OK 74055</u> Citizenship: <u>US</u> Date: _____
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Fourth Inventor: <u>Wayne Reid Dreher Jr.</u> Signature: <u>Wayne Reid Dreher Jr.</u>	Residence: <u>4802 Wayne Ct., College Station, TX 77845</u> Citizenship: <u>US</u> Date: <u>6/20/11</u>
Fifth Inventor: <u>Thomas J. Wheeler</u> Signature: _____	Residence: <u>1408 W. 24th Street, Houston, TX 77008</u> 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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Assignment of Rights, Title and Interest in Invention	Docket No.: 34313CIP5
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Notarization

Executed this 20th day of June in the year 2011

At Bryan (city) Texas (State)

State of Texas

County of Brazos

Before me personally appeared

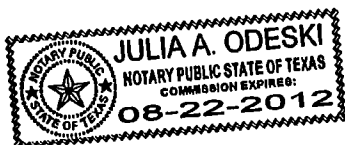
Wayne Reid Dreher

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 20th day of June in the year 2011

Julia A. Odeski
(Notary Public)

[SEAL]




My Commission Expires:

8/22/2011

Assignment of Rights, Title and Interest in Invention**Docket No.:****34313CIP5**

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: _____
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Signature: _____	Citizenship: <u>US</u> Date: _____
Fourth Inventor: <u>Wayne Reid Dreher Jr.</u>	Residence: <u>4802 Wayne Ct., College Station, TX 77845</u>
Signature: _____	Citizenship: <u>US</u> Date: _____
Fifth Inventor: <u>Thomas J. Wheeler</u>	Residence: <u>1408 W. 24th Street, Houston, TX 77008</u>
Signature: 	Citizenship: <u>US</u> Date: <u>6/13/2011</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>

PATENT**REEL: 026562 FRAME: 0137**

Assignment of Rights, Title and Interest in Invention

Docket No.:
34313CIP5

Notarization

Executed this 13 day of JUNE in the year 2011

At HOUSTON (city) TEXAS (State)

State of TEXAS

County of HARRIS

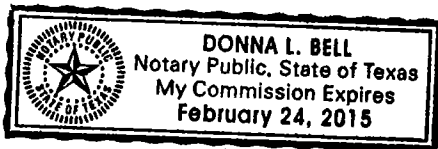
Before me personally appeared

THOMAS J WHEELER

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 13 day of June in the year 2011

Donna L Bell
(Notary Public)



[SEAL]

My Commission Expires:
