

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4286631

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
YU ZHANG	02/21/2017
HAIYAN ZHANG	12/22/2016
<b>RECEIVING PARTY DATA</b>	
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<b>City:</b>	HOUSTON
<b>State/Country:</b>	TEXAS
<b>Postal Code:</b>	77079-1175
<b>PROPERTY NUMBERS Total: 2</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15370412
<b>PCT Number:</b>	US1665139
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	42388US02
<b>NAME OF SUBMITTER:</b>	SANDRA ANDRESS
<b>SIGNATURE:</b>	/SANDRA ANDRESS/
<b>DATE SIGNED:</b>	02/22/2017
<b>Total Attachments: 4</b>	
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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>62/266,139</u> filed <u>2015/12/11</u></i>    |
| <input checked="" type="checkbox"/> | <i>United States Utility Patent Application Serial No. <u>15/370,412</u> filed <u>2016/12/06</u></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. <u>PCT/US2016/065139</u> filed <u>2016/12/06</u></i>   |
| <input type="checkbox"/>            | <i>Other (specify) _____</i>  |

**Title of the Invention**

<b>EFFICIENT INTERNAL MULTIPLE PREDICTION METHODS</b>
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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.:**

42388US02

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>Yu ZHANG</u>	<i>Address:</i> <u>600 N. Dairy Ashford, Houston, TX 77079</u>
<i>Signature:</i> <u><i>Yu Zhang</i></u>	<i>Citizenship:</i> <u>CN</u> <i>Date:</i> <u>02/21/17</u>
<i>Second Inventor:</i> <u>Haiyan ZHANG</u>	<i>Address:</i> <u>26039 Crestford Park Ln, Katy, TX 77494</u>
<i>Signature:</i> <u><i>Haiyan Zhang</i></u>	<i>Citizenship:</i> <u>US</u> <i>Date:</i> <u>12/22/16</u>

**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

Assignment of Rights, Title and Interest in Invention

Docket No.:  
42388US02

Notarization

Executed this 22<sup>nd</sup> day of December in the year 2016.

At Houston (city Texas) (State)

State of Texas

County of Harris

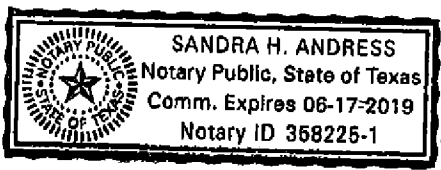
Before me personally appeared

Haiyan Zhang

who acknowledged the foregoing instrument to be a free act and deed and also represented that he/she is authorized to execute the same this 22<sup>nd</sup> day of December in the year 2016.

Sandra H. Address  
(Notary Public)

[SEAL]



My Commission Expires:  
June 17, 2019

Assignment of Rights, Title and Interest in Invention

Docket No.:  
42388US02

Notarization

Executed this 21<sup>st</sup> day of February in the year 2017

At Houston (city) Texas (State)

State of Texas

County of Harris

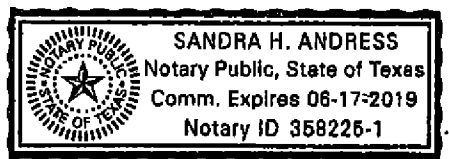
Before me personally appeared

Yu Zhang

who acknowledged the foregoing instrument to be a free act and deed and also represented that he/she is authorized to execute the same this 21<sup>st</sup> day of February in the year 2017.

Sandra H. Address  
(Notary Public)

[SEAL]



My Commission Expires:  
June 17, 2019