

**Assignment of Rights, Title and Interest in Invention
and Declaration of Invention**

**Docket No.:
42498US02**

As the below named inventor(s), I/we declare that this document is an Assignment of the rights, title and interest and a Declaration of Invention directed to:

- | | |
|-------------------------------------|---|
| ☒ | <i>Rights, title and interest in the invention including United States applications and patents</i> |
| ☒ | <i>United States Provisional Patent Application Serial No. <u>62/669065</u> filed <u>05/09/2018</u></i> |
| ☒ | <i>United States Utility Patent Application Serial No. <u>16/408396</u> filed <u>05/09/2019</u></i> |
| | <i>United States Patent No(s). _____</i> |
| ☒ | <i>Foreign rights, title and interest in the invention including international applications and patents</i> |
| ☒ | <i>International (PCT) Patent Application Serial No <u>PCT/US2019/031634</u> filed <u>05/09/2019</u></i> |
| | <i>Other (specify) _____</i> |
| ☒ | <i>This declaration is directed to the international application of which it forms a part</i> |
| ☒ | <i>This declaration is directed to the United States Application submitted herewith</i> |

Direct all correspondence to the address associated with Customer No.: 28841

Title of the Invention

UBIQUITOUS REAL-TIME FRACTURE MONITORING

Whereas, I/we, the below-identified Inventor(s), 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").

The above-identified application was made or authorized to be made by me.

I/we believe that I/we are the original inventor(s) of the claimed invention in the application.

I hereby declare that my residence, mailing address, and citizenship are as stated next to my name.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application date and any subsequent application.

I hereby state that I have reviewed and understand the contents of the above-identified application, including the claims of said application and if applicable any amendment specifically referred to above.

I have reviewed any claim to priority, and I have identified above any prior application number with day, month and year of filing, including any international applications.

If applicable, I have identified in the request of any international application, in compliance with PCT Rule 4.10, any claim to foreign priority,

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

Therefore, for valuable consideration, the receipt of which is acknowledged, I/we hereby assign, sell and transfer my/our above-identified rights, title and interest in said Invention, said

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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 any and all reissues and reexaminations thereof, 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.

Further, this assignment and declaration is intended to be utilized as the required oath of declaration under Rule Paragraph 1.63.

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

First Inventor: <u>Nicolas P. ROUSSEL</u> Signature: <u>[Signature]</u>	Address: <u>925 N. Eldridge Parkway, Houston, TX 77079</u> Citizenship: <u>FRANCE</u> Date: <u>7/30/20</u>
Second Inventor: <u>Yueming LIANG</u> Signature: _____	Address: <u>5731 Genoa Springs Lane, Sugar Land, TX 77479</u> Citizenship: _____ Date: _____
Third Inventor: <u>Zijun FANG</u> Signature: <u>[Signature]</u>	Address: <u>6615 Apsley Creek Lane, Sugar Land, TX 77479</u> Citizenship: <u>CN</u> Date: <u>9/25/2020</u>

Assignee

ConocoPhillips Company hereby accepts assignment of the above referenced patent application.	
Name: <u>ConocoPhillips Company</u> <u>[Signature]</u> <u>9/28/2020</u>	Mailing Address: <u>925 N. Eldridge Parkway</u> <u>Houston, Texas</u> <u>P. O. Box 4783</u> <u>Houston, TX 77210</u> <u>United States of America</u>
Patent <u>[Attorney/Agent]</u> and Attorney-in-Fact ConocoPhillips Company	

Assignment of Rights, Title and Interest in Invention
and Declaration of Invention

Docket No.:
42498US02

Notarization

Executed this 30th day of July in the year 2020.

At Houston (city) Texas (State)

State of Texas

County of Harris

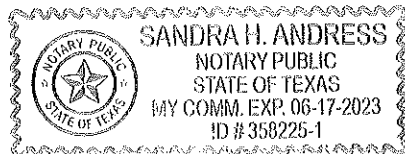
Before me personally appeared

Nicolas P. Roussel

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 30th day of July in the year 2020.

Sandra H. Address
(Notary Public)

[SEAL]



My Commission Expires:

June 17, 2023

Assignment of Rights, Title and Interest in Invention
and Declaration of Invention

Docket No.:
42498US02

Notarization
Executed this 25th day of September in the year 2020.

At Houston (city Texas) (State)

State of Texas

County of Harris

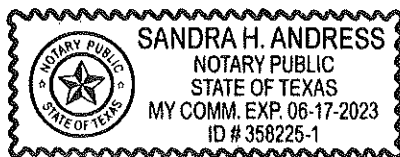
Before me personally appeared

Lijon Fang

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 25th day of September in the year 2020.

Sandra H. Address
(Notary Public)

[SEAL]



My Commission Expires:

June 17, 2023

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☐ *Other (specify) _____*
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☒ *This declaration is directed to the United States Application submitted herewith*
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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 any and all reissues and reexaminations thereof, 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.

Further, this assignment and declaration is intended to be utilized as the required oath of declaration under Rule Paragraph 1.63.

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

First Inventor: <u>Nicolas P. ROUSSEL</u>	Address: <u>925 N. Eldridge Parkway, Houston, TX 77079</u>
Signature: _____	Citizenship: _____ Date: _____
Second Inventor: <u>Yueming LIANG</u>	Address: <u>5731 Genoa Springs Lane, Sugar Land, TX 77479</u>
Signature: <u></u>	Citizenship: <u>USA</u> Date: <u>9/19/2020</u>
Third Inventor: <u>Zijun FANG</u>	Address: <u>6615 Apsley Creek Lane, Sugar Land, TX 77479</u>
Signature: _____	Citizenship: _____ Date: _____

Assignee

ConocoPhillips Company hereby accepts assignment of the above referenced patent application.	
Name: <u>ConocoPhillips Company</u>	Mailing Address: <u>925 N. Eldridge Parkway</u> <u>Houston, Texas</u> <u>P. O. Box 4783</u> <u>Houston, TX 77210</u> <u>United States of America</u>
Patent [Attorney/Agent] and Attorney-in-Fact ConocoPhillips Company	

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Docket No.:
42498US02

Notarization

Executed this 19th day of September in the year 2020

At Sugarland (city Texas) (State)

State of Texas

County of FORT BEND

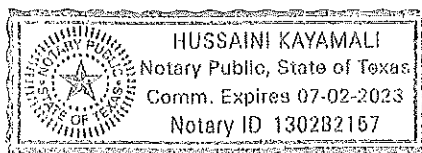
Before me personally appeared

Yue-ming Liang

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 19th day of September in the year 2020

Hussaini Kayamali
(Notary Public)

[SEAL]



My Commission Expires:

7-2-2023

ConocoPhillips Company hereby accepts this Assignment in its entirety on this 28th day of September, 2020.



Michael D. Berger
Lead Patent Agent and
Attorney-in-Fact

Notarization:

Executed this 28th day of September in the year 2020.

At Houston, Texas

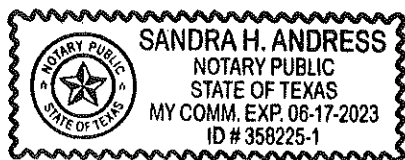
State of Texas)

County of Harris)

Before me personally appeared

Michael D. Berger

who acknowledged the foregoing instrument to be a free act and deed and also represented that he is authorized to execute the same this 28th day of September in the year 2020.




(Notary Public)

[SEAL]