

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT6620207

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| BAOJIANG SUN | 03/12/2021 |
| ZHIYUAN WANG | 03/12/2021 |
| SHUJIE LIU | 03/12/2021 |
| YONGHAI GAO | 03/12/2021 |
| BAITAO FAN | 03/12/2021 |
| HAO LI | 03/12/2021 |
| SHEN GUAN | 03/12/2021 |
| HAIKANG HE | 03/12/2021 |
| BANGTANG YIN | 03/12/2021 |
| XIAOHUI SUN | 03/12/2021 |
| XUERUI WANG | 03/12/2021 |
| RECEIVING PARTY DATA | |
| Name: | CHINA UNIVERSITY OF PETROLEUM (EAST CHINA) |
| Street Address: | NO.66, WEST CHANGJIANG ROAD |
| Internal Address: | HUANGDAO DISTRICT, SHANDONG |
| City: | QINGDAO |
| State/Country: | CHINA |
| Postal Code: | 266580 |
| Name: | ZHANJIANG BRANCH OF CNOOC (CHINA) CO., LTD |
| Street Address: | NANTIAO ROAD |
| Internal Address: | POTOU DISTRICT, GUANGDONG |
| City: | ZHANJIANG |
| State/Country: | CHINA |
| Postal Code: | 524000 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 17206386 |
| CORRESPONDENCE DATA | |

Fax Number: (215)568-6499

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 215-568-6400

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Correspondent Name: VOLPE KOENIG

Address Line 1: 30 SOUTH 17TH STREET

Address Line 2: SUITE 1800

Address Line 4: PHILADELPHIA, PENNSYLVANIA 19103

| | |
|--------------------------------|------------|
| ATTORNEY DOCKET NUMBER: | RAP3-PT235 |
|--------------------------------|------------|

| | |
|---------------------------|-------------------|
| NAME OF SUBMITTER: | DANIELLE N. GROSS |
|---------------------------|-------------------|

| | |
|-------------------|---------------------|
| SIGNATURE: | /Danielle N. Gross/ |
|-------------------|---------------------|

| | |
|---------------------|------------|
| DATE SIGNED: | 03/24/2021 |
|---------------------|------------|

Total Attachments: 13

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ASSIGNMENT AND DECLARATION

With respect to the invention titled

**METHOD AND EQUIPMENT FOR OPTIMIZING HYDRAULIC
PARAMETERS OF DEEPWATER MANAGED PRESSURE DRILLING IN
REAL TIME**

for which the undersigned has authorized or prepared an application for United States Letters Patent, U.S. Patent Application No. 17/206,386, filed on March 19, 2021,

I (each of the undersigned) hereby state the following.

DECLARATION

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

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the above-identified application, including the claims.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations § 1.56.

I 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 5 years, or both.

ASSIGNMENT

The undersigned hereby authorizes assignee or assignee's representative to insert the Application Number and the filing date of this application if they are unknown at the time of execution of this assignment.

| | |
|--|---|
| Assignee | China University of Petroleum (East China) |
| Assignee State or Country of Incorporation | CN |
| Assignee Address | No.66, West Changjiang Road, Huangdao District, Qingdao, Shandong, China 266580 |

| | |
|--|---|
| Assignee | Zhanjiang Branch of CNOOC (China) Co., Ltd |
| Assignee State or Country of Incorporation | CN |
| Assignee Address | Nantiao Road, Potou District, Zhanjiang, Guangdong, China 524000 |

Assignee is desirous of acquiring the entire right, title and interest in the invention, all applications for and all letters patent issued on the invention.

For good and valuable consideration, the receipt and sufficiency of which is acknowledged, the undersigned, intending to be legally bound, do hereby sell, assign and transfer to the assignee and assignee's successors, assigns and legal representatives the entire right, title, and interest in the invention and all patent applications thereon, including, but not limited to, the application for United States Letters Patent entitled as above, and all divisions and continuations thereof, and in all letters patent, including all reissues and reexaminations thereof, throughout the world, including the right to claim priority under the Paris Convention or other treaty.

It is agreed that the undersigned shall be legally bound, upon request of the assignee, to supply all information and evidence relating to the making and practice of the invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention throughout the world for the benefit of the assignee, and to execute all instruments proper to carry out the intent of this instrument.

The undersigned warrant that the rights and property herein conveyed are free and clear of any encumbrance.

AND this Assignment may be executed in multiple counterparts, each of which shall be deemed to be an original of this Assignment. Additionally, the undersigned hereby authorize our attorneys to collect the signature pages of each executed counterpart and to attach those signature pages to a single copy of this instrument, which single copy and attached signature pages together shall constitute an original of this Assignment.

**SIGNATURE SHEET FOR
DECLARATION AND ASSIGNMENT**

Inventor's Name Baojiang SUN

Inventor's Signature Baojiang Sun

Date 2021.3.12

Signed at Qingdao, Shandong, China
(City and Country)

STATEMENT OF WITNESS (optional):

I, _____
Name of Witness

was personally present and did see _____
inventor identified above

execute this Assignment on _____ and such Assignor is personally known
date

to me to be the person described herein.

Witness
Signature _____

An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use a separate form for each inventor; or check the box below and complete the attached page(s) to list additional inventors.

10 Additional inventors are being named on the ___10___ supplemental sheets attached hereto.

**SIGNATURE SHEET FOR
DECLARATION AND ASSIGNMENT**

Inventor's Name Zhiyuan WANG
Inventor's Signature Zhiyuan WANG
Date 2021/03/12
Signed at Qingdao, Shandong, China
(City and Country)

STATEMENT OF WITNESS (optional):

I, _____
Name of Witness

wa: personally present and did see _____
inventor identified above

execute this Assignment on _____ and such Assignor is personally known
date

to me to be the person described herein.

Witness Signature _____

**SIGNATURE SHEET FOR
DECLARATION AND ASSIGNMENT**

Inventor's Name Shujie LIU
Inventor's Signature Shujie Liu
Date 2021/03/12
Signed at Guangdong, China
(City and Country)

STATEMENT OF WITNESS (optional):

I, _____
Name of Witness

was personally present and did see _____
inventor identified above

execute this Assignment on _____ and such Assignor is personally known
date

to me to be the person described herein.

Witness
Signature _____

**SIGNATURE SHEET FOR
DECLARATION AND ASSIGNMENT**

Inventor's Name Yonghai GAO

Inventor's Signature Yonghai GAO

Date 3.12.2021

Signed at Qingdao, Shandong, China
(City and Country)

STATEMENT OF WITNESS (optional):

I, _____
Name of Witness

was personally present and did see _____
inventor identified above

execute this Assignment on _____ and such Assignor is personally known
date

to me to be the person described herein.

Witness
Signature _____

**SIGNATURE SHEET FOR
DECLARATION AND ASSIGNMENT**

Inventor's Name Baitao FAN

Inventor's Signature Baitao FAN

Date 2021. 3. 12

Signed at Guangdong, China
(City and Country)

STATEMENT OF WITNESS (optional):

I, _____
Name of Witness

was personally present and did see _____
inventor identified above

execute this Assignment on _____ and such Assignor is personally known
date

to me to be the person described herein.

Witness
Signature _____

**SIGNATURE SHEET FOR
DECLARATION AND ASSIGNMENT**

Inventor's Name Hao LI
Inventor's Signature Hao LI
Date 2021.2.12
Signed at Qingdao, Shandong, China
(City and Country)

STATEMENT OF WITNESS (optional):

I, _____
Name of Witness

was personally present and did see _____
inventor identified above

execute this Assignment on _____ and such Assignor is personally known
date

to me to be the person described herein.

Witness
Signature _____

**SIGNATURE SHEET FOR
DECLARATION AND ASSIGNMENT**

Inventor's Name Shen GUAN
Inventor's Signature Shen GUAN
Date 2011.3.12
Signed at Guangdong, China
(City and Country)

STATEMENT OF WITNESS (optional):

I, _____
Name of Witness
was personally present and did see _____
inventor identified above
execute this Assignment on _____ and such Assignor is personally known
date
to me to be the person described herein.

Witness
Signature _____

**SIGNATURE SHEET FOR
DECLARATION AND ASSIGNMENT**

Inventor's Name Haikang HE
Inventor's Signature Haikang HE
Date 2021.3.12
Signed at Qingdao, Shandong, China
(City and Country)

STATEMENT OF WITNESS (optional):

I, _____
Name of Witness

was personally present and did see _____
inventor identified above

execute this Assignment on _____ and such Assignor is personally known
date

to me to be the person described herein.

Witness
Signature _____

**SIGNATURE SHEET FOR
DECLARATION AND ASSIGNMENT**

Inventor's Name Bangtang YIN

Inventor's Signature Bangtang YIN

Date 2021.3.12

Signed at Qingdao, Shandong, China
(City and Country)

STATEMENT OF WITNESS (optional):

I, _____
Name of Witness

was personally present and did see _____
inventor identified above

execute this Assignment on _____ and such Assignor is personally known
date

to me to be the person described herein.

Witness
Signature _____

**SIGNATURE SHEET FOR
DECLARATION AND ASSIGNMENT**

Inventor's Name Xiaohui SUN

Inventor's Signature Xiaohui SUN

Date 3.12.2021

Signed at Qingdao, Shandong, China
(City and Country)

STATEMENT OF WITNESS (optional):

I, _____
Name of Witness

was personally present and did see _____
inventor identified above

execute this Assignment on _____ and such Assignor is personally known
date

to me to be the person described herein.

Witness
Signature _____

**SIGNATURE SHEET FOR
DECLARATION AND ASSIGNMENT**

Inventor's Name Xuerui WANG

Inventor's Signature XUERUI WANG

Date 2021.3.12

Signed at Qingdao, Shandong, China
(City and Country)

STATEMENT OF WITNESS (optional):

I, _____
Name of Witness

was personally present and did see _____
inventor identified above

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date

to me to be the person described herein.

Witness
Signature _____