

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT6095158

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
YONGREN FENG	04/10/2020
JIBIN ZOU	04/10/2020
TIEMIN LIU	04/10/2020
XINGFANG WU	04/10/2020
XIAODONG CHU	04/10/2020
ZHIBIN TIAN	04/10/2020
GUOQIANG ZHANG	04/10/2020
ZHONGTIAN HAO	04/10/2020
GUANGSHUAI LI	04/10/2020
YIMING WU	04/10/2020
RECEIVING PARTY DATA	
Name:	CHINA NATIONAL OFFSHORE OIL CORPORATION
Street Address:	NO.25, CHAOYANGMENBEI DAJIE, DONGCHENG DISTRICT
City:	BEIJING
State/Country:	CHINA
Postal Code:	100010
Name:	CHINA OILFIELD SERVICES LIMITED
Street Address:	NO. 1581 HAICHUAN ROAD, TANGGU MARINE SCIENCE AND TECHNOLOGY PARK, TIANJIN BINHAI HIGH-TECH ZONE
City:	TIANJIN
State/Country:	CHINA
Postal Code:	300459
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16760034
CORRESPONDENCE DATA	
Fax Number:	(253)295-9447
<i>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.</i>	

Phone: 301-637-2202
Email: info@lingandyang.com
Correspondent Name: LING WU
Address Line 1: 11618 SORREL RUN NW
Address Line 4: GIG HARBOR, WASHINGTON 98332

ATTORNEY DOCKET NUMBER:	US2000946
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NAME OF SUBMITTER:	LING WU
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SIGNATURE:	/Ling Wu/
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DATE SIGNED:	05/06/2020
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Total Attachments: 12

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**ASSIGNMENT
OF UTILITY PATENT APPLICATION**

WHEREAS, the following parties:

<u>Name</u>	<u>Address</u>
FENG, Yongren	No.201 Haiyou Avenue, Yanjiao Developments Zone, Sanhe, Langfang, Hebei 065201, China
ZOU, Jibin	No.201 Haiyou Avenue, Yanjiao Developments Zone, Sanhe, Langfang, Hebei 065201, China
LIU, Tiemin	No.201 Haiyou Avenue, Yanjiao Developments Zone, Sanhe, Langfang, Hebei 065201, China
WU, Xingfang	No.201 Haiyou Avenue, Yanjiao Developments Zone, Sanhe, Langfang, Hebei 065201, China
CHU, Xiaodong	No.201 Haiyou Avenue, Yanjiao Developments Zone, Sanhe, Langfang, Hebei 065201, China
TIAN, Zhibin	No.201 Haiyou Avenue, Yanjiao Developments Zone, Sanhe, Langfang, Hebei 065201, China
ZHANG, Guoqiang	No.201 Haiyou Avenue, Yanjiao Developments Zone, Sanhe, Langfang, Hebei 065201, China
HAO, Zhongtian	No.201 Haiyou Avenue, Yanjiao Developments Zone, Sanhe, Langfang, Hebei 065201, China
LI, Guangshuai	No.201 Haiyou Avenue, Yanjiao Developments Zone, Sanhe, Langfang, Hebei 065201, China
WU, Yiming	No.201 Haiyou Avenue, Yanjiao Developments Zone, Sanhe, Langfang, Hebei 065201, China

hereinafter referred to as ASSIGNOR, has/have invented certain new and useful improvements ("invention(s)") as described and set forth in the below-identified utility application for United States Patent entitled: Horizontal-to-Vertical Drilling Module for Deep Well

(PCT Application No.: PCT/CN2019/079522)

which was:

- ☒ executed on even date herewith,
☐ filed with the United States Patent and Trademark Office (USPTO) on _____, and assigned
Serial No. _____, and

☐ further described in U.S. Provisional application entitled _____, filed with the USPTO on _____, and assigned Serial No. _____.

Note: Only one of the first two checkboxes will be checked. The third checkbox will be checked, only if appropriate.

WHEREAS,

having a place of following parties:

<u>Name</u>	<u>Address</u>
China National Offshore Oil Corporation	NO.25, Chaoyangmenbei Dajie, Dongcheng District, Beijing 100010, China
China Oilfield Services Limited	No. 1581 Haichuan Road, Tanggu Marine Science And Technology Park, Tianjin Binhai High-tech Zone, Tianjin 300459, China

, hereinafter referred to as ASSIGNEE, is desirous of acquiring ASSIGNOR'S interest in and to said invention(s), said utility application, said provisional application, and any U.S. and foreign patents which are related to the same.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by ASSIGNOR, ASSIGNOR has sold, assigned and transferred and does hereby sell, assign and transfer unto ASSIGNEE, and ASSIGNEE'S successors and assigns, (a) the entire right, title and interest, for the United States of America, in and to said invention(s), said utility application, and said Provisional application and all the rights and privileges in any application and under any and all patents that may be granted in the U.S. for said inventions, including all corresponding provisional, continuation, continuation-in-part, divisional, reissue, and reexamination applications; and (b) the entire right, title and interest in and to said invention(s), said utility application, and said provisional application for all countries foreign to the U.S., including all rights of priority arising from them, and all the rights and privileges under any and all forms of protection, including patents, that may be granted in said countries foreign to the U.S. for them.

ASSIGNOR authorizes ASSIGNEE to make application for such protection in its own name and maintain such protection in any and all countries foreign to the U.S., and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from ASSIGNOR, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

ASSIGNOR hereby consents that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of ASSIGNEE to apply for patent or other form of protection for said inventions, said utility application, or said provisional application and to claim the aforesaid benefit of the right of priority.

ASSIGNOR requests that any and all patents for said inventions be issued to ASSIGNEE in the U.S. and to ASSIGNEE in all countries foreign to the U.S., or to such nominee as ASSIGNEE may designate.

ASSIGNOR covenants and agrees that, when requested, ASSIGNOR shall, without charge to ASSIGNEE but at ASSIGNEE'S expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable, or convenient in connection with the patent applications, patents, or other forms of protection of said invention(s), and for the defense and protection thereof if challenged in the court of law.

ASSIGNOR authorizes ASSIGNEE or its agents to insert, on ASSIGNOR's behalf, the filing date and/or serial number above pertaining to the utility application and/or the provisional application, if not known as of the date of execution of this document.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 10th day of April, 2020.

Inventor : FENG, Yongren

FENG, Yongren (Signature)

Witness:

Signature:

ZHANG, Zhiping

Name:

ZHANG, Zhiping

Address:

No.201 Haiyou Avenue, Yanjiao Development's Zone, Sanhe, Langfang,
Hebei 065201, China

IN TESTIMONY WHEREOF, I have hereunto set my hand this 10th day of April, 2020.

Inventor : ZOU, Jibin

ZOU, Jibin (Signature)

Witness:

Signature: ZHANG, Zhiping

Name: ZHANG, Zhiping

Address: No.201 Haiyou Avenue, Yanjiao Developments Zone, Sanhe, Langfang,
Hebei 065201, China

IN TESTIMONY WHEREOF, I have hereunto set my hand this 10th day of April, 2020.

Inventor : LIU, Tiemin

LIU, Tiemin (Signature)

Witness:

Signature: ZHANG, Zhiping

Name: ZHANG, Zhiping

Address: No.201 Haiyou Avenue, Yanjiao Developments Zone, Sanhe, Langfang,
Hebei 065201, China

IN TESTIMONY WHEREOF, I have hereunto set my hand this 10th day of
April, 2020.

Inventor : Wu Xingfang
WU, Xingfang (Signature)

Witness:

Signature:

ZHANG, Zhiping

Name:

ZHANG, Zhiping

Address:

No.201 Haiyou Avenue, Yanjiao Developments Zone, Sanhe, Langfang,
Hebei 065201, China

IN TESTIMONY WHEREOF, I have hereunto set my hand this 10th day of April, 2020.

Inventor : CHU, Xiaodong
CHU, Xiaodong (Signature)

Witness:

Signature: ZHANG, Zhiping

Name: ZHANG, Zhiping

Address: No.201 Haiyou Avenue, Yanjiao Developments Zone, Sanhe, Langfang,
Hebei 065201, China

IN TESTIMONY WHEREOF, I have hereunto set my hand this 10th day of April, 2020.

Inventor : TIAN, Zhibin

TIAN, Zhibin (Signature)

Witness:

Signature:

ZHANG, Zhiping

Name:

ZHANG, Zhiping

Address:

No.201 Haiyou Avenue, Yanjiao Developments Zone, Sanhe, Langfang,
Hebei 065201, China

IN TESTIMONY WHEREOF, I have hereunto set my hand this 10th day of April, 2020.

Inventor : ZHANG, Guoqiang

ZHANG, Guoqiang (Signature)

Witness:

Signature: ZHANG, Zhiping

Name: ZHANG, Zhiping

Address: No.201 Haiyou Avenue, Yanjiao Developments Zone, Sanhe, Langfang, Hebei 065201, China

IN TESTIMONY WHEREOF, I have hereunto set my hand this 10th day of April, 2020.

Inventor : HAO, Zhongtian
HAO, Zhongtian (Signature)

Witness:

Signature: ZHANG, Zhiping

Name: ZHANG, Zhiping

Address: No.201 Haiyou Avenue, Yanjiao Developments Zone, Sanhe, Langfang,
Hebei 065201, China

IN TESTIMONY WHEREOF, I have hereunto set my hand this 10th day of April, 2020.

Inventor : LI, Guangshuai

LI, Guangshuai (Signature)

Witness:

Signature:

ZHANG, Zhiping

Name:

ZHANG, Zhiping

Address:

No.201 Haiyou Avenue, Yanjiao Developments Zone, Sanhe, Langfang,
Hebei 065201, China

IN TESTIMONY WHEREOF, I have hereunto set my hand this 10th day of April, 2020.

Inventor : WU, Yiming

WU, Yiming (Signature)

Witness:

Signature:

ZHANG, Zhiping

Name:

ZHANG, Zhiping

Address:

No.201 Haiyou Avenue, Yanjiao Developments Zone, Sanhe, Langfang,
Hebei 065201, China