

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT7511622

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ZHUQING MAO	08/30/2021
RIKUI ZHANG	08/30/2021
PENG ZHANG	08/30/2021
JIANWEI WANG	08/30/2021
JIHUA WANG	08/30/2021
XIAOLEI JI	08/30/2021
XINCHENG LI	08/30/2021
YUXUAN SUN	08/30/2021
YIPENG WU	08/30/2021
CHUNQIANG LAN	08/30/2021
LIANG LV	08/30/2021
RECEIVING PARTY DATA	
Name:	YANTAI JEREH PETROLEUM EQUIPMENT & TECHNOLOGIES CO., LTD.
Street Address:	NO. 27 JEREH ROAD, LAISHAN DISTRICT
City:	YANTAI, SHANDONG
State/Country:	CHINA
Postal Code:	264003
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17896361
CORRESPONDENCE DATA	
Fax Number:	(312)321-4299
<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:	312.840.3263
Email:	USAssignments@crowell.com, lhedl@crowell.com
Correspondent Name:	GANG CHEN
Address Line 1:	CROWELL & MORING LLP
Address Line 2:	P.O. BOX 10395
Address Line 4:	CHICAGO, ILLINOIS 60610

ATTORNEY DOCKET NUMBER:	520013.5000074
NAME OF SUBMITTER:	GANG CHEN
SIGNATURE:	/Gang Chen/
DATE SIGNED:	08/30/2022

Total Attachments: 44

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Atty. Docket No. LSAYJP-PT003.2 (C21P8695-01US)

COMBINED DECLARATION AND ASSIGNMENT

With respect to the invention titled

**OPEARTION METHOD OF A TURBINE FRACTURING DEVICE AND A
TURBINE FRACTURING DEVICE**

the undersigned has authorized the application attached hereto. If the application is not attached hereto, the application is as identified by the attorney docket number as set forth above and/or the following:

United States Application No.: 17/896,361 filed on August 26, 2022

I state and declare 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.

Atty. Docket No. _____

ASSIGNMENT

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Assignee	YANTAI JEREH PETROLEUM EQUIPMENT & TECHNOLOGIES CO., LTD.
Assignee State or Country of Incorporation	CHINA
Assignee Address	No. 27 Jereh Road, Laishan District Yantai, Shandong 264003 CHINA

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, does hereby sell, assign and transfer to the assignee and assignee's successors, assigns and legal representatives the entire right, title and interest, legal and equitable, 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.

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Atty. Docket No. _____

**SIGNATURE SHEET FOR
DECLARATION AND ASSIGNMENT**

Inventor's Name **Zhuqing MAO** ⇒ _____

Inventor's Signature ⇒ *[Handwritten Signature]*

Date 08/20/2021

Signed at Yantai of 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 for a first filing. Use a separate form for each inventor; or check the box below and complete the attached page(s) to list additional inventors.

☒ Additional inventors are being named on the 10 supplemental sheet(s) attached hereto.

Atty. Docket No. LSAYJP-PT003.2 (C21P8695-01US)

COMBINED DECLARATION AND ASSIGNMENT

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Atty. Docket No. _____

**SUPPLEMENTAL SHEET FOR
DECLARATION AND ASSIGNMENT**

Inventor's Name **Rikui ZHANG** _____
⇒

Inventor's Signature **ZHANG RIKUI** _____
⇒

Date **08/30/2021** _____

Signed at **Yantai 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 _____

Atty. Docket No. LSAYJP-PT003.2 (C21P8695-01US)

COMBINED DECLARATION AND ASSIGNMENT

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Atty. Docket No. _____

**SUPPLEMENTAL SHEET FOR
DECLARATION AND ASSIGNMENT**

Inventor's Name ⇒ **Peng ZHANG**

Inventor's Signature ⇒ 张鹏

Date 08/30/2021

Signed at Yantai of 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.

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Inventor's Name **Jianwei WANG**
⇒ _____

Inventor's Signature ⇒ **王健伟**

Date **08/30/2021**

Signed at **Yantai of 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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**SUPPLEMENTAL SHEET FOR
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Inventor's Name **Jihua WANG**
⇒ _____

Inventor's Signature ⇒  _____

Date 06/30/2021 _____

Signed at Tian tai of China _____
(City and Country)

STATEMENT OF WITNESS (optional):

I, _____
Name of Witness

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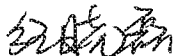
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Inventor's **Xiaolei JI**

Name ⇒ _____

Inventor's
Signature ⇒



Date

08/30/2021

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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 authorizes 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.

Atty. Docket No. _____

**SUPPLEMENTAL SHEET FOR
DECLARATION AND ASSIGNMENT**

Inventor's Name **Xincheng LI**
⇒ _____

Inventor's Signature ⇒ 李心成

Date 08/30/2021

Signed at Yantai of 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 _____

Atty. Docket No. LSAYJP-PT003.2 (C21P8695-01US)

COMBINED DECLARATION AND ASSIGNMENT

With respect to the invention titled

**OPEARTION METHOD OF A TURBINE FRACTURING DEVICE AND A
TURBINE FRACTURING DEVICE**

the undersigned has authorized the application attached hereto. If the application is not attached hereto, the application is as identified by the attorney docket number as set forth above and/or the following:

United States Application No.: 17/896,361 filed on August 26, 2022

I state and declare 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.

Atty. Docket No. _____

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	YANTAI JEREH PETROLEUM EQUIPMENT & TECHNOLOGIES CO., LTD.
Assignee State or Country of Incorporation	CHINA
Assignee Address	No. 27 Jereh Road, Laishan District Yantai, Shandong 264003 CHINA

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, does hereby sell, assign and transfer to the assignee and assignee's successors, assigns and legal representatives the entire right, title and interest, legal and equitable, 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.

Atty. Docket No. _____

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**SUPPLEMENTAL SHEET FOR
DECLARATION AND ASSIGNMENT**

Inventor's Name Yuxuan SUN ➡

Inventor's
Signature ⇒ 孙宇轩

Date 08/30/2021

Signed at Yantai of 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.

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Signature _____

Atty. Docket No. LSAYJP-PT003.2 (C21P8695-01US)

COMBINED DECLARATION AND ASSIGNMENT

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Atty. Docket No. _____

**SUPPLEMENTAL SHEET FOR
DECLARATION AND ASSIGNMENT**

Inventor's Name **Yipeng WU**
⇒ _____

Inventor's Signature ⇒  _____

Date 08/30/2021 _____

Signed at Yantai of china _____
(City and Country)

STATEMENT OF WITNESS (optional):

I, _____
Name of Witness

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inventor identified above

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**SUPPLEMENTAL SHEET FOR
DECLARATION AND ASSIGNMENT**

Inventor's Name **Chunqiang LAN**
⇒ _____

Inventor's Signature ⇒ 兰春强

Date 08 / 30 / 2021

Signed at Yantai of China
(City and Country)

STATEMENT OF WITNESS (optional):

I, _____
Name of Witness

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inventor identified above

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**SUPPLEMENTAL SHEET FOR
DECLARATION AND ASSIGNMENT**

Inventor's Name **Liang LV**
⇒ _____

Inventor's Signature ⇒ 

Date 08/30/2021

Signed at Yantai of China
(City and Country)

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Name of Witness

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