505614456 08/09/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
PINBO DING	08/08/2019
BANGRANG DI	08/08/2019
JIANXIN WEI	08/08/2019

RECEIVING PARTY DATA

Name:	CHINA UNIVERSITY OF PETROLEUM (BEIJING)
Street Address:	NO. 18 FUXUE ROAD, CHANGPING DISTRICT
City:	BEIJING
State/Country:	CHINA
Postal Code:	102249

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16536402

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

Email: ppetaccia@vklaw.com

Correspondent Name: VOLPE AND KOENIG, P.C.

Address Line 1: 30 SOUTH 17TH STREET, 18TH FLOOR Address Line 4: PHILADELPHIA, PENNSYLVANIA 19103

ATTORNEY DOCKET NUMBER:	RAP3-PT152	
NAME OF SUBMITTER:	DOUGLAS J. BUCKLIN	
SIGNATURE:	/Douglas J. Bucklin/	
DATE SIGNED:	08/09/2019	

Total Attachments: 5

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PATENT 505614456 REEL: 050009 FRAME: 0674

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PATENT REEL: 050009 FRAME: 0675

ASSIGNMENT

Pinbo Ding, a citizen of China having an address of China University of Petroleum (Beijing), No. 18 Fuxue Road, Changping District, Beijing 102249 China; Bangrang Di, a citizen of China having an address of China University of Petroleum (Beijing), No. 18 Fuxue Road, Changping District, Beijing 102249 China; and Jianxin Wei, a citizen of China having an address of China University of Petroleum (Beijing), No. 18 Fuxue Road, Changping District, Beijing 102249 China (all of the above hereafter jointly and severally referred to as the "undersigned") are the inventors of

HORIZONTAL FRACTURE PREDICTION METHOD, DEVICE AND EQUIPMENT

for which the undersigned has executed an application for United States Letters

Patent, U.S. Patent Application No. 16/536,402 , filed August 9 , 2019.

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.

China University of Petroleum (Beijing), a company having a principal place of business at No. 18 Fuxue Road, Changping District, Beijing 102249 China, is desirous of acquiring the entire right, title and interest in said invention, all applications for and all letters patent issued on said 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 assignees and assignees' successors, assigns and legal representatives the entire right, title, and interest in said 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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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 said 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 assignees, 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.

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EXEC	UTED under seal on the	his <u>8</u>	_ day of	August	, 2019
at	Beijing, China				
(Place)		***************************************			
Witness:					
the AMB			Ita	ttg	
			Pinbo Dir	ng	

(Although not mandatory, if possible, please subscribe appropriate notarization and obtain APOSTILLE)

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EA	ECUTED under seal on th	IS <u>8</u>	day of	August	, 2019
at	Beijing, China	,			
(Place)					
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Witness:					
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			Bangran	o Di	

(Although not mandatory, if possible, please subscribe appropriate notarization and obtain APOSTILLE)

EXE	CUTED under seal on th	$\frac{8}{100}$ day of $\frac{8}{100}$	August	, 2019
at	Beijing, China	· · · · · · · · · · · · · · · · · · ·		
(Place)				
Witness:				
tang		业	-239	
		Jianxi	n Wei	

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