

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4245420

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JASON D. DYKSTRA	11/07/2014
YUZHEN XUE	11/07/2014
FANPING BU	09/30/2014
RECEIVING PARTY DATA	
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Street Address:	3000 N. SAM HOUSTON PARKWAY E.
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State/Country:	TEXAS
Postal Code:	77032-3219
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15329537
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ATTORNEY DOCKET NUMBER:	1391-932.08
NAME OF SUBMITTER:	VY NGUYEN
SIGNATURE:	/Vy Nguyen/
DATE SIGNED:	01/26/2017
Total Attachments: 4	
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ASSIGNMENT

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, that the undersigned inventor(s), for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, **JASON D. DYKSTRA, YUZHEN XUE, and FANPING BU** having made an invention in **“DIRECTIONAL DRILLING METHODS AND SYSTEMS EMPLOYING MULTIPLE FEEDBACK LOOPS”**, while in the employment of **HALLIBURTON ENERGY SERVICES, INC.**, a corporation organized and existing under the laws of the State of Delaware, doing business at 3000 N. Sam Houston Parkway E., Houston, TX 77032-3219, USA, (sometimes hereinafter called **“ASSIGNEE”**), do hereby **ASSIGN, SELL and CONVEY** to said **ASSIGNEE**, its successors and assigns, the entire right, title and interest throughout the world in and to:

1. Said invention in **“DIRECTIONAL DRILLING METHODS AND SYSTEMS EMPLOYING MULTIPLE FEEDBACK LOOPS”**;

2. The International PCT Patent Application on said invention, filed concurrently herewith or as PCT Patent Application No. PCT/US2014/055945 filed September 16, 2014, (Attorney's File No. 1391-932.00; attorney is authorized to fill in the application number and filing date after the USPTO assigns them), entitled **“DIRECTIONAL DRILLING METHODS AND SYSTEMS EMPLOYING MULTIPLE FEEDBACK LOOPS”**;

3. All applications for patent or like protection on said invention that have now been or may in the future be made by us or our legal representatives, whether in the United States of America or any other place anywhere in the world;

4. All patents and like protection that have now been or may in the future be granted on said invention to us or our legal representatives, whether in the United States of America or in any other country or place anywhere in the world;

5. All substitutions for and divisions, continuations, continuations-in-part, renewals, reissues, extensions, and the like of said applications and patents and like grants, including without limitations, those obtained or permissible under past, present and future law and statutes;

6. All rights of action on account of past, present and future unauthorized use of said invention for infringement of said patents and like protection;

7. The right to **ASSIGNEE** to file in its name applications for patents and like protection for said invention in any country or countries foreign to the United States; and

8. All international rights of priority associated with said invention, applications, patents and like protection; and

I (or We) covenant that I (or We), my (our) heirs, legal representatives, assigns, administrators, and executors will at the expense of ASSIGNEE, its successors and assigns, execute all papers and perform such other acts as may be reasonably necessary to give ASSIGNEE, its successors and assigns, the full benefit of this Assignment.

EXECUTED at Houston (City), TX (State), on the 7 day of November, 2014.


JASON D. DYKSTRA

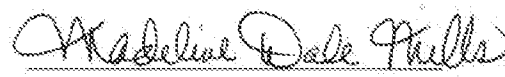
STATE OF Texas §

COUNTY OF Harris §

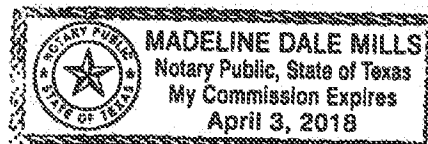
BEFORE ME, the undersigned authority, on this day personally appeared JASON D. DYKSTRA, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER my hand and seal of office, this the 7th day of November, 2014.

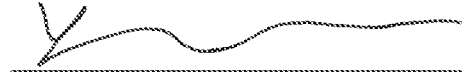
[SEAL]


Notary Public

My Commission Expires: April 3, 2018



EXECUTED at Houston (City), Tx (State), on the 7 day of November 2014.



YUZHEN XUE


STATE OF Texas §

COUNTY OF Harris §

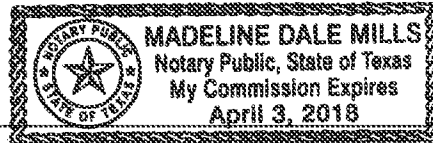
BEFORE ME, the undersigned authority, on this day personally appeared YUZHEN XUE, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER my hand and seal of office, this the 7th day of November, 2014.

[SEAL]


Notary Public

My Commission Expires: April 3, 2018



EXECUTED at Houston (City), TX (State), on the 30th day of September 2014.


FANPING BU

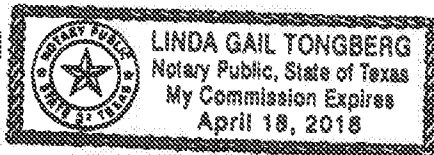
STATE OF Texas §

COUNTY OF Harris §

BEFORE ME, the undersigned authority, on this day personally appeared FANPING BU, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER my hand and seal of office, this the 30th day of September, 2014.

[SEAL]




Notary Public

My Commission Expires: 4/18/2018