

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT3337500

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MICHAEL S. BITTAR	05/04/2015
CLIVE D. MENEZES	04/30/2015
RECEIVING PARTY DATA	
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City:	HOUSTON
State/Country:	TEXAS
Postal Code:	77032
PROPERTY NUMBERS Total: 1	
Property Type	Number
PCT Number:	US1527376
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<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>	
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ATTORNEY DOCKET NUMBER:	1399-004.04
NAME OF SUBMITTER:	ALAN D. CHRISTENSON
SIGNATURE:	/Alan Christenson/
DATE SIGNED:	05/04/2015
Total Attachments: 3	
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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, Michael S. BITTAR of Houston, Texas, USA and Clive D. MENEZES of Coaroe, Texas, USA, having made an invention in "GUIDED DRILLING METHODS AND SYSTEMS EMPLOYING A CASING SEGMENT WITH AT LEAST ONE TRANSMISSION CROSSOVER ARRANGEMENT", 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, Texas 77032, (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 "GUIDED DRILLING METHODS AND SYSTEMS EMPLOYING A CASING SEGMENT WITH AT LEAST ONE TRANSMISSION CROSSOVER ARRANGEMENT";

2. *The U.S. Provisional Patent Application on said invention, filed concurrently herewith or as U.S. Provisional Patent Application No. 61/987,454, filed 1 May 2014, (Attorney's File No. 1395-004.00), entitled "CASING COILS FOR GUIDED DRILLING";*

3. *The International PCT Patent Application on said invention, filed concurrently herewith or as PCT Patent Application No. PCT/US2015/027376, filed 23 April 2015, (Attorney's File No. 1395-004.04), entitled GUIDED DRILLING METHODS AND SYSTEMS EMPLOYING A CASING SEGMENT WITH AT LEAST ONE TRANSMISSION CROSSOVER ARRANGEMENT";*

4. 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;

5. 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;

6. 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;

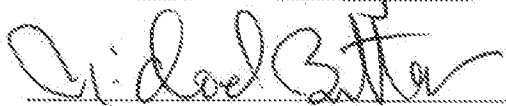
7. All rights of action on account of past, present and future unauthorized use of said invention for infringement of said patents and like protection;

8. 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

9. 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.

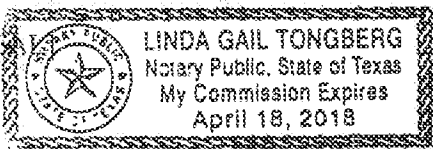
EXECUTED at Harris County, TX, on the 4th day of May, 2015.



Michael S. BITTAR

STATE OF Texas §
COUNTY OF Harris §

BEFORE ME, the undersigned authority, on this day personally appeared Michael S. BITTAR, 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 4th day of May, 2015.

[SEAL]  LINDA GAIL TONGBERG
Notary Public, State of Texas
My Commission Expires
April 18, 2018


Notary Public

My Commission Expires: 4-18-18

EXECUTED at DALLAS County, TEXAS on the 30th day of April, 2015.

[Handwritten Signature]

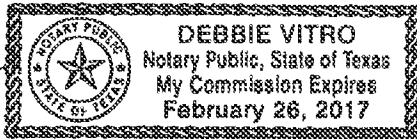
Clive D. MENEZES

STATE OF TEXAS §
COUNTY OF DALLAS §

BEFORE ME, the undersigned authority, on this day personally appeared Clive D. MENEZES, 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 April, 2015.

[SEAL]



[Handwritten Signature: Debbie Vitro]
Notary Public

My Commission Expires: 2-26-17