501761365 12/19/2011

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Jeffery CLAUSEN	08/31/2011
Jonathan Ryan PRILL	08/31/2011

RECEIVING PARTY DATA

Name:	NATIONAL OILWELL VARCO, L.P.	
Street Address:	7909 Parkwood Circle Drive	
City:	Houston	
State/Country:	TEXAS	
Postal Code: 77036		

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13229643

CORRESPONDENCE DATA

Fax Number: (780)423-2870
Email: dtomkins@parlee.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

via US Mail.

Correspondent Name: Donald V. Tomkins

Address Line 1: 1500, 10180 - 101 Street

Address Line 4: Edmonton, CANADA T5J 4K1

ATTORNEY DOCKET NUMBER:	70786-8
NAME OF SUBMITTER:	Donald V. Tomkins

Total Attachments: 4

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<u>PATENT</u>

REEL: 027412 FRAME: 0004

OF \$40.00 13229643

ASSIGNMENT

1. **NOW, THEREFORE,** TO ALL WHOM IT MAY CONCERN, BE IT KNOWN that for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged:

CLAUSEN, Jeffery 11930 Golden Lodge Lane Houston, Texas, U.S.A. 77066

and

PRILL, Jonathan Ryan 7603 - 16 Avenue SW Edmonton, Alberta, CANADA T6X 2M3

(the "Assignors")

hereby sell, assign, and set over absolutely to:

NATIONAL OILWELL VARCO, L.P. 7909 Parkwood Circle Drive Houston, Texas, U.S.A. 77036

(the "Assignce")

all rights, title, and interest of any nature whatsoever which the Assignors may have in respect of the invention titled:

DOWNHOLE ROTARY DRILLING APPARATUS WITH FORMATION-INTERFACING MEMBERS AND CONTROL SYSTEM (the "Invention")

as described in U.S. Non-Provisional Patent Application No. 13/229,643 filed with the U.S. Patent and Trademark Office on September 9, 2011 and in International Application No. PCT/CA2011/001006 filed with the Canadian Intellectual Property Office (as PCT Receiving Office) on September 9, 2011, both said U.S. and international applications claiming priority from U.S. Provisional Patent Application No. 61/381,243 filed on September 9, 2010 and U.S. Provisional Patent Application No. 61/410,099 filed on November 4, 2010 (each said provisional application being titled, "ROTARY STEERABLE PUSH-THE-BIT DRILLING SYSTEM").

PATENT REEL: 027412 FRAME: 0005

Assignment - J. CLAUSEN and J. PRILL to NOV, L.P. DOWNHOLE ROTARY DRILLING APPARATUS WITH FORMATION-INTERFACING MEMBERS AND CONTROL SYSTEM Page 2 of 3

- 2. Such rights, title, and interest shall henceforth be held and enjoyed by the Assignee or its successors, assigns, or legal representatives for the full terms of any and all Letters Patent which may be granted therefor by any national or regional patent granting authority, as fully and entirely as such right, title, and interest would have been held and enjoyed by the Assignors had this Assignment had not been made.
- 3. The Assignors hereby assign to the Assignee any priority rights arising in connection with the Invention by virtue of said patent applications or any other patent applications which may be filed in respect of the Invention or any improvement thereto or any part thereof, and the Assignors hereby authorize the Assignee to make application for and to receive Letters Patent for the Invention in the name of the Assignee in such additional country or countries as the Assignee may elect.
- 4. The Assignors hereby authorize the Assignee, or an agent of the Assignee, to insert relevant patent application information into this Assignment, subsequent to the Assignors' execution hereof.
- The Assignors hereby covenant and agree that they will:
 - (a) execute or procure any further necessary assurance of title to the Invention, and to any corresponding patent applications or Letters Patent;
 - (b) at any time, upon the request of the Assignee, execute and deliver any and all papers that may be necessary or desirable to perfect the Assignee's title to the Invention, and to any corresponding patent applications or Letters Patent;
 - (c) sign all documents legally or otherwise required in connection with any additional, divisional, continuing, or reissue applications for patents in respect of the Invention or any improvement thereto or any part thereof;
 - (d) make all rightful oaths and declarations required in connection with any patent applications relating to the Invention; and
 - (e) generally do all lawful acts to aid the Assignee and its successors, assigns, or legal representatives, to obtain and enforce patent protection in respect of the Invention in any or all countries;

and that they will do all of the foregoing without further compensation, but at the sole expense of the Assignee or its successors, assigns, or other legal representatives.

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The Assignors hereby authorize and request that any and all Letters Patent for the Invention issuing or resulting from any corresponding patent application, or from any division, continuation, or reissue thereof, be issued to NATIONAL OILWELL VARCO, L.P. as sole Assignee. IN WITNESS WHEREOF I have executed this Assignment at HARKIS COUNTY, TEXAS this 31st day of August ,2011. SIGNED in the presence of: CHRISTINA (Witness printed name and address) 14210 PAWNEE CHRISTINA HOANG Notary Public, State of Texas CYPRESS, TX 77429 My Commission Expires May 23, 2014 IN WITNESS WHEREOF I have executed this Assignment at this _______, 2011. SIGNED in the presence of: (Witness Signature) Jonathan Ryan PRILL

(Witness printed name and address)

Assignment - J. CLAUSEN and J. PRILL to NOV, L.P.
DOWNHOLE ROTARY DRILLING APPARATUS WITH

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FORMATION-INTERFACING MEMBERS AND CONTROL SYSTEM

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DOWNHOLE ROTARY DRILLING APPARATUS WITH
FORMATION-INTERFACING MEMBERS AND CONTROL SYSTEM
Page 3 of 3

Invention issuing or resulting from any corre	te and request that any and all Letters Patent for the esponding patent application, or from any division, NATIONAL OILWELL VARCO, L.F. as sole
IN WITNESS WHEREOF I have executed this day of, 201	
SIGNED in the presence of:	
(Witness Agriculars)	Jeffery CLAUSEN
(Witness printed name and address)	
IN WITNESS WHEREOF I have executed t	his Assignment at <i>Lowenton</i> ,
this 3 day of	Î.
SIGNED in the presence of:	
Non-	
(Winner Tignanum)	Johathan Ryan-PRILL
NovMs () Doen. (Princis printed name and address)	and the state of t
Alto 12 Common At Treese S	
3105-41/A AVE EDMONTON, AB, TET 154	

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RECORDED: 12/19/2011