

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
WEI LIU	11/10/2016
RECEIVING PARTY DATA	
Name:	NATIONAL OILWELL DHT, L.P.
Street Address:	500 CONROE PARK WEST DRIVE
City:	CONROE
State/Country:	TEXAS
Postal Code:	77303
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15769115
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ATTORNEY DOCKET NUMBER:	3314-07205
NAME OF SUBMITTER:	GREGORY L. MAAG
SIGNATURE:	/gregory l. maag/
DATE SIGNED:	04/20/2018
Total Attachments: 2	
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source=3314-07201 Executed Assignment (Liu)#page2.tif	

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION given to me by **NATIONAL OILWELL DHT, L.P.**, and other valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, **Wei LIU** ("ASSIGNOR"), having made an invention in "**DOWNHOLE DRILL BIT WITH COATED CUTTING ELEMENT**," ("INVENTION") while in the employ either as an employee or consultant of **NATIONAL OILWELL DHT, L.P.**, a Delaware limited partnership doing business at 500 Conroe Park West Drive, Conroe, Texas 77303 (sometimes hereinafter called "ASSIGNEE"), do hereby ASSIGN, SELL and CONVEY to said **NATIONAL OILWELL DHT, L.P.**, its successors and assigns, the entire right, title and interest throughout the world in and to:

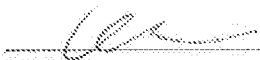
1. Said invention in "**DOWNHOLE DRILL BIT WITH COATED CUTTING ELEMENT**;"
2. Patent Cooperation Treaty international application on said invention, filed as PCT Application No. PCT/US2016/061110 on November 9, 2016 (Attorney's File No. 3314-07201), and entitled "**DOWNHOLE DRILL BIT WITH COATED CUTTING ELEMENT**;"
3. All applications for patent or like protection on the INVENTION that have now been or may in the future be made by me or my legal representatives, including any continuation, continuation-in-part and any other utility applications that may be based on the INVENTION, 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 the INVENTION to me or my 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 the applications and patents and like grants, including without limitation, those obtained or permissible under past, present, and future laws and statutes;
6. All rights of action on account of past, present, and future unauthorized use of the INVENTION and for infringement of the patents and like protection;
7. The right in ASSIGNEE to file in its name applications for patents and like protection for the INVENTION in any country or countries foreign to the United States; and

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

I covenant that I, and my 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. Further, ASSIGNOR warrants that the INVENTION is not encumbered by another assignment or obligation of assignment to a third-party and that ASSIGNOR has the full ability and authority to assign and encumber the INVENTION.

EXECUTED on the date indicated below, opposite my signature.

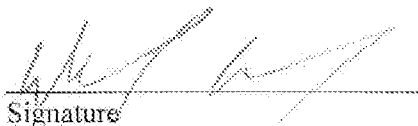
Signature:


Wei Liu

Date:

11/10/2016

Witnessed by:


Signature

Date:

11/10/2016

Wesley
Printed Name of Witness