

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
HAMID SADABADI	07/07/2015
HOSSAM GHARIB	06/29/2015
RECEIVING PARTY DATA	
Name:	HALLIBURTON ENERGY SERVICES, INC.
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15576598
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DATE SIGNED:	11/22/2017
Total Attachments: 3	
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ASSIGNMENT OF INVENTION

We, the undersigned:

Hamid SADABADI
254 Ormsby Road East N.W.
Edmonton, Alberta
T5T 5X6
Canada

Hossam GHARIB
8342 Shaske Crescent
Edmonton, Alberta
T6R 0B4
Canada

(hereinafter referred to as the "Inventors") have made an invention, while in the employ either as an employee or a consultant of Halliburton Energy Services, Inc. (hereinafter referred to as the "Assignee"), entitled:

**DRILLING APPARATUS WITH FIXED AND
VARIABLE ANGULAR OFFSETS**

as set forth and described in an application for Letters Patent pursuant to the Patent Cooperation Treaty, filed concurrently herewith with the Canadian Intellectual Property Office as Receiving Office or as PCT International Application No. PCT/CA2015/050639 filed on July 9, 2015 [Attorney's File No. 16463-361; the attorney is hereby authorized to fill in the application number and filing date after assignment by the Patent Cooperation Treaty Office] (hereinafter referred to as the "Invention").

FOR GOOD AND VALUABLE CONSIDERATION, the receipt and sufficiency of which are hereby acknowledged, we do hereby irrevocably assign, grant, sell, convey, transfer and make over unto the Assignee as follows:

HALLIBURTON ENERGY SERVICES, INC.
3000 North Sam Houston Parkway East
Houston, Texas
77032-3219
United States of America

Also of:
1406 - 5 Street
Nisku, Alberta
T9E 7R6
Canada

our entire right, title and interest in and to the Invention, the PCT International Application as noted above, any other application(s) for patent for the Invention filed or to be filed pursuant to the Patent Cooperation Treaty, or in the United States of America, Canada and in any further countries worldwide arising from or related to the PCT International Application, including any and all divisional and continuation applications thereof, and any and all patents issued and which may be issued or re-issued for the Invention in the United States of America, Canada and in any further countries worldwide, together with the right to claim in respect of the United States of America, Canada and any further countries worldwide, the priority date of the PCT International Application or any further patent applications filed worldwide.

This Assignment shall enure to the benefit of and be binding upon the Inventors and Halliburton Energy Services, Inc. and our respective heirs, executors, administrators and assigns.

IN WITNESS WHEREOF I have caused this Assignment to be executed at Edmonton, Alberta, Canada, this 7 day of July, 2015.

SIGNED, SEALED AND DELIVERED
in the presence of:

[Signature]
(Signature of Witness)
Name - Sandeep Sabharwal
Address - 254 57th St E,
T5T 5X6 Edmonton AB

[Signature]
Hamid SADABADI

IN WITNESS WHEREOF I have caused this Assignment to be executed at
Edmonton, Alberta, Canada, this 29 day of JUNE, 2015.

SIGNED, SEALED AND DELIVERED
in the presence of:

Steven Bell

(Signature of Witness)

Name - STEVEN BELL

Address - 195 Ackerman

Crescent, Red Deer, Alberta

T4R 3B8



Hossam GHARIB