504537591 09/07/2017 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4584298

SUBMISSION TYPE:	NEW ASSIGNMENT	NEW ASSIGNMENT	
NATURE OF CONVEYANC	E: ASSIGNMENT	ASSIGNMENT	
CONVEYING PARTY DAT	Ā		
	Name	Execution Date	
JOHN KEITH SAVAGE		04/15/2015	
STEVEN GRAHAM BELL		04/15/2015	
RECEIVING PARTY DATA	A		
Name:	HALLIBURTON ENERGY SERVICES. INC		

HALLIBURTON ENERGY SERVICES, INC.
10200 BELLAIRE BOULEVARD
HOUSTON
TEXAS
77072
-

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	15556562	

CORRESPONDENCE DATA

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NAME OF SUBMITTER:	TERRENCE N. KUHARCHUK
SIGNATURE:	/Terrence N. Kuharchuk/
DATE SIGNED:	09/07/2017
Total Attachments: 2 source=Assignment#page1.tif source=Assignment#page2.tif	

ASSIGNMENT OF INVENTION

We, the undersigned:

John Keith SAVAGE 712 - 173 Street, S.W. Edmonton, Alberta T6W 0M4 Canada

Steven Graham BELL 195 Ackerman Crescent Red Deer, Alberta T4R 3B8 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:

DIRECTIONAL DRILLING APPARATUS WITH AN ALIGNED HOUSING BORE

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. <u>PCT/CA2015/000249</u> filed on April <u>16</u>, 2015 [Attorney's File No. 16463-355; 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. 10200 Bellaire Boulevard Houston, Texas 77072 United States of America

-1-

PATENT REEL: 043526 FRAME: 0360 <u>Also of:</u> 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.

	caused this Assignment to be executed at
$\underline{\mathcal{A}}_{15360}$, Alberta, Canada this $\underline{15}^{44}$	day of April, 2015.
SIGNED, SEALED AND DELIVERED	
in the presence of:	Muthavere
(Witness) NESTOR GIL HBAG86 1/573 NESTOR GIL HBAG86	John Keith Savage
IN WITNESS WHEREOF I have	caused this Assignment to be executed at
Nisku, Alberta, Canada this 1544	-
SIGNED, SEALED AND DELIVERED	
in the presence of: 	<u>Btuen Bell</u>
With NESTOR GIL HBAG861 11573 15 415 Charles AR. 7657 7.03	Steven Graham Bell

RECORDED: 09/07/2017

PATENT REEL: 043526 FRAME: 0361