

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Jacob A. Schurmann	03/18/2013
RECEIVING PARTY DATA	
Name:	Halliburton Energy Services, Inc.
Street Address:	10200 Bellaire Boulevard
City:	Houston
State/Country:	TEXAS
Postal Code:	77072
PROPERTY NUMBERS Total: 1	
Property Type	Number
PCT Number:	US1270600
CORRESPONDENCE DATA	
Fax Number:	7132292708
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	7132292064
Email:	HOUSTON.FOREIGN.PATENT@BAKERBOTTSCOM
Correspondent Name:	Baker Botts LLP
Address Line 1:	910 Louisiana
Address Line 2:	Carol Andrews
Address Line 4:	Houston, TEXAS 77002
ATTORNEY DOCKET NUMBER:	063718.2182
NAME OF SUBMITTER:	Carol Andrews
Total Attachments: 3 source=Assignment 2182#page1.tif source=Assignment 2182#page2.tif source=Assignment 2182#page3.tif	

CH \$40.00 US1270600

## ASSIGNMENT


Whereas, I/We, Jacob A. Schurmann of Alberta, Canada have invented "*DIRECTIONAL DRILLING USING A ROTATING HOUSING AND A SELECTIVELY OFFSETABLE DRIVE SHAFT*" for which I/We have made application for Letters Patent of the International Bureau and which has been disclosed in the application for Patent Cooperation Treaty, Application Serial No. PCT/US2012/70600, filed December 19, 2012; and

Whereas, HALLIBURTON ENERGY SERVICES, INC., a Delaware Corporation, having a place of business at 10200 Bellaire Boulevard, Houston, Texas 77072 is desirous of acquiring an interest therein;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We, by these presents do sell, assign and transfer and convey unto HALLIBURTON ENERGY SERVICES, INC., its successors and assigns, the full and exclusive right, title and interest for the Patent Cooperation Treaty, and its territorial possessions and for any and all foreign countries, in and to said invention, in and to any and all improvements, and any divisional, continuing or reissue application based on the present application preparatory to obtaining Letters Patent of the International Application therefor; said invention, application and any and all Letters Patent issuing therefor to be held and enjoyed by HALLIBURTON ENERGY SERVICES, INC., for its own use and behoove, and for its legal representatives, successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me and had this assignment and sale not been made.

And I do further agree to sign all papers, make all rightful oaths and do all requisite acts for the filing of any disclaimer or for the filing and assignment of any divisional, continuing or reissue application or applications for patent based on the present application, as well as for any ~~other U.S. or foreign application for patent which relates to the said invention.~~

And I do further agree to communicate to HALLIBURTON ENERGY SERVICES, INC., its successors, assign or other legal representatives, such facts relating to the invention disclosed in the present application or Letters Patent issuing thereon as may be known to me, and to testify as to such facts in any interference or other litigation.

Signature:   
Name: Jacob A. Schurmann

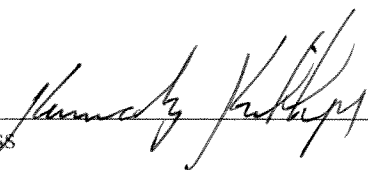
Date: March 18, 2013

Residence Address: 18 Maple Street  
Spruce Grove  
Alberta, Canada T7X 2L7

Citizenship: Canada


Post Office Address: Same as Residence

Date: March 18, 2013

  
Witness

KENNEDY KIRKHOPE  
Witness Printed Name

Date: 2013/03/18

  
Witness

Gopal Bhosle  
Witness Printed Name