

## PATENT ASSIGNMENT COVER SHEET

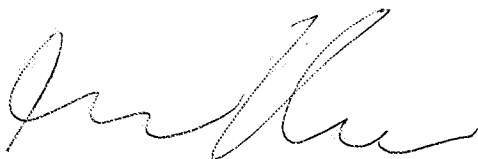
Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5436573

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SONGHUA CHEN	04/09/2018
LILONG LI	04/09/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	HALLIBURTON ENERGY SERVICES, INC.
<b>Street Address:</b>	3000 N. SAM HOUSTON PARKWAY E.
<b>City:</b>	HOUSTON
<b>State/Country:</b>	TEXAS
<b>Postal Code:</b>	77032-3219
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16335988
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(972)480-8865
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	972-480-8800
<b>Email:</b>	docket@pj-iplaw.com
<b>Correspondent Name:</b>	HALLIBURTON ENERGY SERVICES, INC. C/O PA
<b>Address Line 1:</b>	14241 DALLAS PARKWAY
<b>Address Line 2:</b>	SUITE 620
<b>Address Line 4:</b>	DALLAS, TEXAS 75254
<b>ATTORNEY DOCKET NUMBER:</b>	2017-101347 U1 US
<b>NAME OF SUBMITTER:</b>	J. JOEL JUSTISS
<b>SIGNATURE:</b>	/J. Joel Justiss/
<b>DATE SIGNED:</b>	03/22/2019
<b>Total Attachments: 3</b>	
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**ASSIGNMENT**

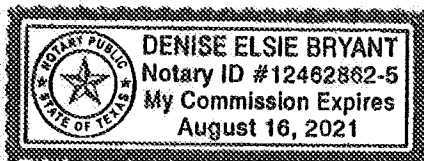
For valuable consideration, I, Songhua Chen, a resident of Katy, TX; and Lilong Li, a resident of Houston, TX, hereby, assign to Halliburton Energy Services, Inc., a corporation of Delaware, having a place of business at 3000 N. Sam Houston Parkway E., Houston, Texas 77032-3219, U.S.A., and its successors, assigns (collectively hereinafter called "the Assignee), the entire right, title and interest throughout the world in the inventions and improvements which are subject of a PCT Application entitled "**DETERMINING SUB-SURFACE FORMATION WETTABILITY CHARACTERISTICS UTILIZING NUCLEAR MAGNETIC RESONANCE AND BULK FLUID MEASUREMENTS**" this assignment including said application, any and all United States and foreign applications and patents, utility models, and design registrations for any of said inventions or improvements; and the right to claim priority based on the filing date of said application under all treaties; and I hereby authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and I agree for ourselves and our respective heirs, legal representatives and assign, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

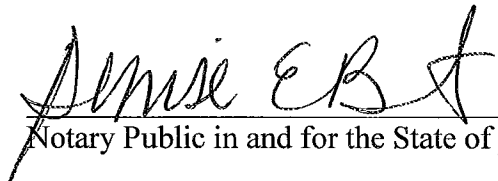
  
Songhua Chen

In the State of Texas §

In the County of Harris §

On this 9<sup>th</sup> day of April, 2018, before me personally came Songhua Chen, to me known to be the individual described herein and who executed the foregoing instrument and acknowledged execution of the same.



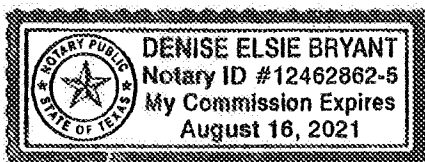
  
Notary Public in and for the State of TX

*Lilong Li*  
Lilong Li

In the State of Texas §

In the County of Harris §

On this 9<sup>th</sup> day of April, 2018, before me personally came Lilong Li, to me known to be the individual described herein and who executed the foregoing instrument and acknowledged execution of the same.



*Denise Elsie Bryant*  
Notary Public in and for the State of TX