## 505160899 10/26/2018 PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		1	NEW ASSIGNMENT			
NATURE OF CONVEYA	NCE:	/	ASSIGNMENT			
CONVEYING PARTY D	ΑΤΑ	ľ				
			Name			Execution Date
LI GAO						08/20/2012
WEI ZHANG						08/20/2012
MICHAEL T. PELLETIE	R					08/20/2012
CHRISTOPHER MICH	AEL JONES					08/20/2012
DINGDING CHEN	NG CHEN					08/28/2012
RECEIVING PARTY D	ΑΤΑ					
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City:	HOUSTON					
State/Country:	TEXA	EXAS				
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PROPERTY NUMBERS Property Type			Number			
Application Number:		15926				
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	DATA					
Fax Number:		• •	00-0853	Wat ia una		
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ATTORNEY DOCKET N	UMBER	: 7	7523.446US02			
NAME OF SUBMITTER:		l	LESLIE AUSTIN			
SIGNATURE:	IGNATURE:		/Leslie Austin/			
DATE SIGNED:			10/26/2018			
otal Attachments: 3						

Total Attachments: 3

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## ASSIGNMENT

WHEREAS, I, Li Gao, a citizen of the United States, has developed and is the owner of certain inventions as embodied in and represented by the Intellectual Property, as defined below;

WHEREAS, I, Wei Zhang, a citizen of the P.R. China, has developed and is the owner of certain inventions as embodied in and represented by the Intellectual Property, as defined below;

WHEREAS, I, Michael T. Pelletier, a citizen of the United States, has developed and is the owner of certain inventions as embodied in and represented by the Intellectual Property, as defined below;

WHEREAS, I, Christopher Michael Jones, a citizen of the United States, has developed and is the owner of certain inventions as embodied in and represented by the Intellectual Property, as defined below;

WHEREAS, I, Dingding Chen, a citizen of the United States, has developed and is the owner of certain inventions as embodied in and represented by the Intellectual Property, as defined below;

WHEREAS, I, David Earl Ball, a citizen of the United States, has developed and is the owner of certain inventions as embodied in and represented by the Intellectual Property, as defined below;

## APPARATUS AND METHOD FOR DOWNHOLE IN-SITU DETERMINATION OF FLUID VISCOSITY

for which:

× of even date filed herewith; and

filed on \_\_\_\_\_\_ and assigned application number \_\_\_\_\_\_

WHEREAS, Halliburton Energy Services Inc. (Assignee), a corporation organized and existing under the laws of the State of Texas, having its principal office and place of business at 10200 Bellaire Blvd., Houston, Texas 77072, is desirous of obtaining the entire right, title, and interest in, to and under the said invention and the said application in the United States of America and in any and all countries foreign thereto;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said Assignee, its successors, legal representatives, and assigns, the entire right, title, and interest in, to and under the said invention, and the said application, and all divisional, renewal, substitutional, and continuing applications thereof, and all Letters Patent of the United States of America which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may be filed for said invention in any country or countries foreign to the United States of America, and all extensions, renewals, and reissues thereof, and all prior patents and patent applications from which a filing priority of the above-described patent application may be obtained, including the right to collect past damages; and I hereby authorize and request the Commissioner of Patents of the United States of America, whose duty it is to issue patents on applications as aforesaid, to

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PATENT REEL: 047324 FRAME: 0339 issue all Letters Patent for said invention to the said Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND I HEREBY covenant that I have full right to convey the entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

AND I HEREBY further covenant and agree that I will communicate to said Assignee, its successors, legal representatives and assigns, any facts known to me respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, renewal, substitutional, continuing, and reissue applications, make all rightful declarations and/or oaths and generally do everything possible to aid the said Assignee, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention in all countries.

First Inventor Name: Residence Address: Li Gao 5618 Grandwood Ln, Katy, TX 7745

Dated:

Signature

Witness Signature Alex Webster

First Inventor Name: Residence Address:

Dated:

Wei Zhang 5339 Rutherglenn, Houston, TX 77032

Dated:

Witness Signature Alex Wcbster



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Attorney Docket No. 7523.446 (2012-IP-056084 UI PCT) Customer No. 27683

First Inventor Name: Michael T. Pelletier Residence Address: 7826 Heather Heights Way, Houston, TX 77095 Dated: 20 Inventor Signature Dated: Witness Signature Witness Name: Christopher Michael Jones First Inventor Name: 3219 Cobblestone Creek Way, Houston, TX 77084 Residence Address: Dated: 20 - Aug - 12 Dated: 8/20/12 webster Witness Signature ler Witness Name: **Dingding Chen** First Inventor Name: 11511 Bermondsey Drive, Tomball, TX 77377 Residence Address: Dated: 8/28 Inventoi Signature 28 8 Dated: Alex web fir Witness Signature Witness Name: David Earl Ball First Inventor Name: 12127 Meadowhollow, Meadows Place, TX 77477 Residence Address: Dated: 8/28/12 Inventor Signature Dated: Witness Signature ALEX WEBSTER Notary Public, State of Texas Mu Commission Expires Witness Name:\_\_\_\_\_ January 04, 2016

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PATENT REEL: 047324 FRAME: 0341

**RECORDED: 10/26/2018**