PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4789535

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ANTHONY H. VAN ZUILEKOM	10/20/2016
CHRISTOPHER MICHAEL JONES	09/23/2016
DARREN GASCOOKE	06/02/2017
MICHAEL T. PELLETIER	09/26/2016

RECEIVING PARTY DATA

Name:	HALLIBURTON ENERGY SERVICES, INC.	
Street Address:	3000 N. SAM HOUSTON PARKWAY E.	
City:	HOUSTON	
State/Country:	TEXAS	
Postal Code:	77032	

PROPERTY NUMBERS Total: 1

Property Type	Number
PCT Number:	US2016043381

CORRESPONDENCE DATA

Fax Number: (713)374-1601

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.

Phone: 7133741600

Email: sramirez@polsinelli.com JASON W. BRYAN **Correspondent Name:**

Address Line 1: 1000 LOUISIANA STREET Address Line 2: FIFTY-THIRD FLOOR Address Line 4: HOUSTON, TEXAS 77002

ATTORNEY DOCKET NUMBER:	01070PCT-518455
NAME OF SUBMITTER:	SONIA RAMIREZ
SIGNATURE:	/Sonia Ramirez/
DATE SIGNED:	01/23/2018

Total Attachments: 6

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PATENT REEL: 044704 FRAME: 0431 504742807

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PATENT REEL: 044704 FRAME: 0432

WORLDWIDE ASSIGNMENT

WHEREAS, WE, (hereinafter referred to as the "ASSIGNOR(S)"):

Anthony H. VAN ZUILEKOM, 9310 Tepee Trail, Houston, Texas 77064 UNITED STATES OF AMERICA

Christopher Michael JONES, 3219 Cobblestone Creek Way, Houston, Texas 77084 UNITED STATES OF AMERICA

Darren GASCOOKE, 702 Trademark Pl., Houston, TEXAS 77079 UNITED STATES OF AMERICA

Michael T. PELLETIER, 7826 Heather Heights Way, Houston, TEXAS 77095 UNITED STATES OF AMERICA

has/have invented a **FLUID SATURATED FORMATION CORE SAMPLING TOOL** ("Invention") for which one or more applications for patent, design registration, utility model registration, or other form of protection, rights, or title have been or will be made in certain countries ("Applications"), as further described below:

PCT Application No. PCT/US2016/043381, filed July 21, 2016.

AND WHEREAS, HALLIBURTON ENERGY SERVICES, INC., (hereinafter referred to as the "ASSIGNEE"), a company organized under the laws of Delaware, having a place of business at 3000 N. SAM HOUSTON PARKWAY E., HOUSTON, TEXAS 77032, is desirous of acquiring the full and exclusive right, title and interest in and to said Invention, said Applications inclusive of all ancillary rights relating thereto, any and all priority rights derived from said Applications, and all patents, design registrations, utility model registrations and other forms of protection, rights and titles relating to said Invention, in any country or countries and in respect of the whole or any part or parts of or improvements to the Invention;

NOW THEREFORE, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR(S) does/do hereby confirm that ASSIGNOR(S) has/have transferred, conveyed and assigned, and by way of further assurance does/do hereby transfer, convey and assign, any and all of ASSIGNOR(S)'s respective rights, title and interest in and to: the Invention; the Applications; any further applications for patent, design registration, utility model registration or other forms of protection, rights or titles for the whole or any part or parts of or improvements to the Invention in any country or countries ("Further Applications") together with the right to file divisional applications, substitute applications and continuation applications of any one or more of the Applications and Further Applications ("Divisionals"); the right to obtain patents, design registrations, utility model registrations and all other forms of protection, rights and titles relating to the Invention; the right in and to any patent or reissue patent relating to the Applications, Further Applications and Divisionals ("Grants"); and the right to obtain any extensions / supplementary protection certificates ("Extensions"); together with the right to bring proceedings to recover damages and/or to obtain other remedies for acts committed

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in respect of one or more of the aforesaid Invention, Applications, Grants, Further Applications, Divisionals and Extensions, whether such acts are committed before or after the date of this Worldwide Assignment; with the intent that the Invention, Applications, Grants, Further Applications, Divisionals and Extensions are owned and enjoyed by ASSIGNEE absolutely to the full end of the term or terms for same.

ASSIGNOR(S) does/do hereby agree, upon request, to provide assistance and to execute any and all further documents, at the expense of ASSIGNEE and/or its successors and assigns (as applicable), which may be necessary or desirable to enable ASSIGNEE, and/or its successors and assigns (as applicable), to file, prosecute, bring proceedings and take other actions with respect to any and all of the Invention, Applications, Further Applications, Divisionals, Grants and Extensions, and any and all patents and registrations granted thereon and other forms of protection, rights and titles relating thereto, and ASSIGNOR(S) further agrees/agree to execute, upon request and at the expense of ASSIGNEE and/or its successors and assigns (as applicable), any and all further documents which may be necessary or desirable to vest or perfect the title of ASSIGNEE therein.

ASSIGNOR(S) does/do hereby authorize ASSIGNEE or its patent agents or attorneys to insert, above, the jurisdictions, application numbers, filing dates and any other indicia identifying the Applications when such information is available for the purpose of recording this assignment.

ASSIGNOR(S) does/do hereby authorize and request The Commissioner of Patents or any equivalent authority to issue to ASSIGNEE each and every patent, registration and other form of protection, right, and title granted upon the Applications, Further Applications, Divisionals and Extensions.

THIS WORLDWIDE ASSIGNMENT shall inure to the benefit of ASSIGNEE and its successors and assigns, and shall be binding upon ASSIGNOR(S) and their successors and permitted assigns.

DELIVERY of this Worldwide Assignment by copy, however transmitted, constitutes valid and effective delivery. This Worldwide Assignment may be executed in one or more counterparts, each of which when so executed and delivered shall be an original, and such counterparts shall together constitute one and the same instrument.

IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned:

Date:	20	OCT	2016
£			

Anthony H. VAN ZUILEKOM

9310 Tepee Trail

Houston, Texas 77064

UNITED STATES OF AMERICA

STATE OF	Tevas
COUNTY OF	Harris

appeared Average and acknowledge to me that he executed the same for the purposes and considerations therein expressed.

Swanning.	TINA SNIDER	
	Untary Public, State of Texa	8
	My Commission Expires	
	April 20, 2018	

Notary Signature

Notary Public in and for

County,

IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned:

Date: 9/23/2016

min fr Christopher Michael JONES 3219 Cobblestone Creek Way

Houston, Texas 77084

UNITED STATES OF AMERICA

STATE OF TEXAS

COUNTY OF Harris

the undersigned BEFORE ME, authority, this day personally appeared Unital place Michael Japanown to me to be the person whose name is subscribed to the foregoing instrument and acknowledge to me that he executed the same for the purposes and considerations therein expressed.

Notary Signature

Notary Public in and for Harris County, Texas

IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned:

Date: 6/2/17

Darren GASCOOKE 702 Trademark Pl. Houston, Texas 77079 UNITED STATES OF AMERICA

STATE OF HAVIO

BEFORE undersigned authority, this day personally appeared Darres Gascooke, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledge to me that he executed the same for the purposes and considerations therein expressed.

ALEX WEBSTER
NOTARY PUBLIC, STATE OF TEXAS
MY COMMISSION EXPIRES JANUARY 04, 2020 ID #12884075-3

4 Neleta Notary Signature

Notary Public in and for County, IV as

IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned:
Date: 26 Sept 16 Michael T. PELLETIER 7826 Heather Heights Way Houston, Texas 77095 UNITED STATES OF AMERICA
STATE OF <u>LeyaS</u> COUNTY OF <u>Harris</u>
BEFORE ME, the undersigned authority, on this day personally appeared 9-26-16, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledge to me that he executed the same for the purposes and considerations therein expressed.
Mina Villowan

DIANE VILLMAN
Notary Public, State of Texas
Comm Expires 02-09-2020 Notary ID 130530353

Notary Signature

Notary Public in and for Leya S County,

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