PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7242074

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MICHAEL LINLEY FRIPP	01/26/2018
STEPHEN MICHAEL GRECI	01/26/2018
RICHARD DECENA ORNELAZ	01/26/2018
ZACHARY WILLIAM WALTON	01/30/2018

RECEIVING PARTY DATA

Name:	HALLIBURTON ENERGY SERVICES, INC.	
Street Address:	3000 N. SAM HOUSTON PARKWAY E.	
City:	HOUSTON	
State/Country:	TEXAS	
Postal Code:	77032-3219	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16771645

CORRESPONDENCE DATA

Fax Number: (972)480-8865

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.

using a lax number, if provided, if that is unsuccessful, it will be sent vi

Phone: 972-480-8800

Email: docket@pj-iplaw.com

Correspondent Name: HALLIBURTON ENERGY SERVICES, INC. C/O PA

Address Line 1: 14241 DALLAS PARKWAY

Address Line 2: SUITE 620

Address Line 4: DALLAS, TEXAS 75254

ATTORNEY DOCKET NUMBER:	2017-101798 U1 US	
NAME OF SUBMITTER:	GREG H. PARKER	
SIGNATURE:	/Greg H. Parker/	
DATE SIGNED:	03/24/2022	

Total Attachments: 4

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PATENT 507195224 REEL: 059385 FRAME: 0746

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PATENT REEL: 059385 FRAME: 0747 Ref. No. 2016-IPM-101798 U1 PCT Docket No.: 0539542-463WO1

ASSIGNMENT OR RATIFICATION OF ASSIGNMENT OF INTELLECTUAL PROPERTY

WHEREAS, the undersigned, hereafter individually/collectively "Assignor," has invented certain new and useful methods, devices, and/or systems that are disclosed and/or claimed in an application for patent entitled "AUTOMATICALLY SHIFTING FRAC SLEEVES THAT ELIMINATE PROPPANT FLOWBACK

WHEREAS HALLIBURTON ENERGY SERVICES, INC., a Delaware corporation having a place of business at 3000 N. Sam Houston Parkway E., Houston, Texas 77032, United States of America, hereafter "Assignee," is desirous of acquiring the entire and exclusive right, title and interest in and to, and possession of, the subject matter disclosed and claimed in the Application, including any tangible materials, know-how and trade secrets related thereto (hereafter, collectively, the "Invention"); and the entire and exclusive right, title, interest in and to, and possession of, the Application, including rights to claim priority thereto, and to all related pending and future United States and/or foreign applications disclosing or claiming the Invention in whole or in part, including, without limitation, all provisional applications, non-provisional applications, divisional applications, continuation applications, continuation-in-part applications, renewals, reissues, reexaminations, substitutes or extensions thereof, and to all patents or other related property rights that may be issued or granted thereon anywhere in the world (hereafter, collectively, the "Intellectual Property");

NOW, THEREFORE, for and in consideration of good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, and to the extent not already assigned by **Assignor** to **Assignee** by prior written agreement or employment relationship, **Assignor** has hereby assigned, transferred and conveyed, or hereby ratified such, and does hereby assign, transfer and convey, or does hereby ratify such, to **Assignee**, its successors and assigns, the entire and exclusive right, title and interest in and to, and possession and use of, the aforesaid **Intellectual Property**, throughout the world, including without limitation, the right to file and prosecute applications for patent in the name of **Assignee** and/or **Assignor**; all income, royalties, damages and payments now or hereafter due or payable with respect to any patent or other right that is based on the **Intellectual Property**; and in and to all causes of action (either in law or in equity), and the right to sue, counterclaim, and recover for past, present and future infringement of the rights assigned or to be assigned hereunder, as fully and entirely as the same would have been held and enjoyed by **Assignor** if this transfer and assignment had not been made;

AND **Assignor** hereby authorizes and requests the appropriate governmental officials to issue any and all such United States or foreign country patent or related property right assigned hereunder, to **Assignee**, as the owner of the entire and exclusive right, title and interest in and to the same;

AND Assignor hereby represents, warrants and covenants that Assignor has the full right to convey the interest herein assigned, that Assignor has not executed and will not execute any agreement, instrument or assignment in conflict herewith, and that the rights assigned herein are not otherwise encumbered by any grant, license or right;

AND Assignor further covenants and agrees that Assignor will at any time upon request make, execute and deliver without further compensation, any and all other instruments in writing, including further applications, papers, affidavits, power of attorney, assignments, and other documents, and do all lawful acts and things, which, in the opinion of counsel for Assignee, its successors and assigns, may in any country be required or necessary more effectively to secure to and vest in Assignee, its successors and assigns the Intellectual Property, and that Assignor will sign any applications for reissue, division, continuation, continuation-in-part, counterpart, renewal, reexamination, substitute or extension of said **Application** or any resulting patent or related property right;

AND Assignor further covenants and agrees that Assignor will at any time upon request communicate to the Assignee, its successors, assigns or other legal representatives any facts relating to the aforesaid Invention, Application and Intellectual Property known to it, and will testify as to the same in any interference, litigation, mediation, arbitration or other proceeding when requested to do so.

IN WITNESS WHEREOF, Assignor has hereunto set his/her hand and seal.

COUNTY OF Dallas Signature Michael Linley Fripp

3826 Cemetery Hill Road Carrolton, Texas 75007 United States of America

1-26-18 Date of Execution

AM 67753268.1

BEFORE ME, the undersigned authority, on this day personally appeared Michael Linley Fripp, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND and seal of office this 26th day of January, 2018.

STATE OF Texas

Notary Public



Signature	STATE OF TEXAS § COUNTY OF DALL AS §
Stephen Michael Graci 31134 Luminara Drive Little Elm, Texas 75068 United States of America 1/26/2018 Date of Execution	BEFORE ME, the undersigned authority, on this day personally appeared Stephen Michael Graci, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same for the purposes and consideration therein expressed. GIVEN UNDER MY HAND and seal of office this day of January, 2018. Notary Physics SHARON E. BARTHOLOM Notary Public, State of Tex My Commission Expires
Richard Science July Signature	STATE OF \{ \} COUNTY OF \[\lambda \lambda \lambda \lambda \} \\ \} \\ \\ \\ \\ \\ \\ \\ \\ \\ \\
Richard Decena Ornelaz 11341 Covery Point Lane Frisco, Texas 75035 United States of America	BEFORE ME, the undersigned authority, on this day personally appeared Richard Decena Ornelaz, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same for the purposes and consideration therein expressed.
Date of Execution	GIVEN UNDER MY HAND and seal of office this day of January, 2018. Sharont Dullan. Notary Public
	SHARON E. BARTHOLOMEW Notary Public, State of Texas My Commission Expires July 27, 2019

Ref. No. 2016-IPM-101798 U1 PCT Docket No.: 0539542-463WO1

Signature

Zachary William Walton 2204 Southern Ct. Carrollton, Texas 75006 United States of America

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Date of Execution

COUNTY OF Nallas

BEFORE ME, the undersigned authority, on this day personally appeared Zachary William Walton, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he/she executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND and seal of office this

30/1 day of /2//2/2, 2018.

Notary Public



DEBBIE VITRO Notary ID #12929595-7 My Commission Expires February 26, 2021

RECORDED: 03/24/2022