PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6599197

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TATYANA V. KHAMATNUROVA	05/22/2017
WALTER T. STEPHENS	05/23/2017
PHILIP D. NGUYEN	05/22/2017
GLADYS ROCIO MONTENEGRO-GALINDO	05/22/2017

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
Application Number:	16485747

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: MDiaz@polsinelli.com

Correspondent Name: POLSINELLI PC

Address Line 1: 1000 LOUISIANA ST.

Address Line 2: SUITE 64

Address Line 4: HOUSTON, TEXAS 77002

ATTORNEY DOCKET NUMBER:	1600US-627656
NAME OF SUBMITTER:	MICHELLE DIAZ
SIGNATURE:	/Michelle Diaz/
DATE SIGNED:	03/12/2021

Total Attachments: 6

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PATENT REEL: 055580 FRAME: 0582

WORLDWIDE ASSIGNMENT

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

Tatyana V. KHAMATNUROVA, 2419 Gianna Way, Houston, Texas 77073 UNITED STATES OF AMERICA

Walter T. STEPHENS, 1948A Vermont Street, Houston, Texas 77019 UNITED STATES OF AMERICA

Philip D. NGUYEN, 13419 Piney View Lane, Houston, Texas 77044 UNITED STATES OF AMERICA

Gladys Rocio MONTENEGRO-GALINDO, 27600 Kings Manor Dr., Apt. 1512, Kingwood, Texas 77339
UNITED STATES OF AMERICA

has/have invented a BINDING COMPOSITION FOR PROPPANT ("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/US2017/20991, filed March 6, 2017.

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 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: 5/22/17

Tatyana V. KMAMATNUROVA

2419 Gianna Way Houston, Texas 77073

UNITED STATES OF AMERICA

STATE OF ____

Texas

COUNTY OF Harris

BEFORE ME, the undersigned authority, on this day personally appeared with the work with 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.

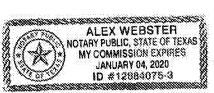
GIVEN UNDER MY HAND AND SEAL OF OFFICE, this the $\frac{22^{9}}{2}$, 2017

[SEAL]

My Commission Expires:

114/2020

Notary Signature



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

Walter T. STEPHENS 1948A Vermont Street Houston, Texas 77019

UNITED STATES OF AMERICA

STATE OF JULAN COUNTY OF Harris

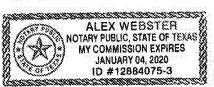
BEFORE ME, the undersigned authority, on this day personally appeared Walter T. Stephen known to me to be the person whose name is subscribed to the foregoing instrument and acknowledge to me that he executed the same for the purposes and considerations therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this the 🔏

[SEAL]

My Commission Expires:

Notary Signature



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

13419 Piner View L

Houston, Texas 77014

UNITED STATES OF AMERICA

STATE OF Texas

COUNTY OF Harris

Philip D. Me, the undersigned authority, on this day personally appeared 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.

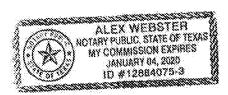
VEN UNDER MY HAND AND SEAL OF OFFICE, this the $\frac{22}{2017}$

+ Welster

[SEAL]

My Commission Expires:

Notary Signature



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

Date: 5/22/17

27600 Kings Manor Dr., Apt. 1512 Kingwood, Texas 77339 UNITED STATES OF AMERICA

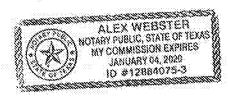
BEFORE ME, the undersigned authority, on this day personally appeared 6/2045 for Monkingero - 6 minute known to me to be the person whose name is subscribed to the foregoing instrument and acknowledge to me that he executed the same for the purposes and considerations therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this the 22

[SEAL]

My Commission Expires:

Notary Signature



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RECORDED: 03/12/2021