PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4884348

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
WALTER T. STEPHENS	10/30/2015
PHILIP D. NGUYEN	10/30/2015
MICHAEL WAYNE SANDERS	10/28/2015

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:	15759799

CORRESPONDENCE DATA

Fax Number: (949)851-9348

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: 949-851-0633

Email: smanriquez@mwe.com, mweipdocket@mwe.com,

HalliburtonUSPTOReporting@mwe.com

MCDERMOTT WILL & EMERY LLP **Correspondent Name:**

Address Line 1: 4 PARK PLAZA, SUITE 1700

Address Line 4: IRVINE, CALIFORNIA 92614-2559

ATTORNEY DOCKET NUMBER:	098273-2450
NAME OF SUBMITTER:	MARK J. ITRI, REG. NO. 36,171
SIGNATURE:	/Mark J. Itri/
DATE SIGNED:	03/26/2018

Total Attachments: 6

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As	the below named inventor, I hereby declare that:	
Th	is declaration is directed to:	
\boxtimes	The attached application to be filed as a United States application or PCT	
	international application, or	
	United States application or PCT international application number	
	; and,	
Entitled:		
	NT AGGREGATE PARTICULATES FOR USE IN SUBTERRANEAN TION OPERATIONS	

Regarding that application, I declare the following:

- The above-identified application was made, or authorized to be made, by me.
- I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.
- I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

Moreover, Whereas, HALLIBURTON ENERGY SERVICES, INC., a Delaware Corporation, having a place of business at 3000 N. Sam Houston Parkway E., Houston, TX 77032-3219 (hereinafter "Assignee") is desirous of acquiring an interest therein;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, by these presents do sell, assign and transfer and convey unto Assignee, its successors and assigns, the full and exclusive right, for the United States of America and its territorial possessions and for any and all foreign countries, in and to the said invention, described in the Patent Application identified above, and any national phase, divisional, continuing, continuation-in-part, or reissue application based on the present application preparatory to obtaining Letters Patent of the United States therefore; said invention, application and any and all Letters Patent issuing there from to be held and enjoyed by Assignee, for its own use and benefit, and for its legal representatives, successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me and had this assignment and sale not been made.

I do further agree to sign all papers, make all rightful oaths and do all requisite acts for the filing of any disclaimer or for the filing and assignment of any divisional,

continuing or reissue application or applications for patent based on the present application, as well as for any other U.S. or foreign application for patent which relates to the said invention.

I do further agree to communicate to Assignee, its successors, assign or other legal representatives, such facts relating to the invention disclosed in the present application or Letters Patent issuing thereon as may be known to me, and to testify as to such facts in any patent office proceeding or litigation.

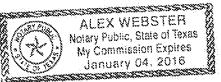
I do further grant the power to amend the following information on this document: the title of the application and the filing designation (attached or by reference to an application number) as required by or in view of any rules or requirements of the United States Patent and Trademark Office or any other patent regulatory authority.

Walter V. Stephens

STATE OF TOKES)
COUNTY OF HANGE)

Before me personally appeared said WALTER T. STEPHENS and acknowledged the foregoing instrument to be a free act and deed this day of of 2015.

Seal



(Notary)

	T AGGREGATE PARTICULATES FOR USE IN SUBTERRANEAN ON OPERATIONS		
Entitled:			
	filed on; and,		
	United States application or PCT international application number		
	international application, or		
\boxtimes	The attached application to be filed as a United States application or PCT		
This	declaration is directed to:		
As th	ne below named inventor, I hereby declare that:		

Regarding that application, I declare the following:

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- I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.
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I do further grant the power to amend the following information on this document: the title of the application and the filing designation (attached or by reference to an application number) as required by or in view of any rules or requirements of the United States Patent and Trademark Office or any other patent regulatory authority.

Executed this 30 H day of October

2015

HILIP D)NGUYEN

STATE OF TEXAS

COUNTY OF WAR OF

Before me personally appeared said PHILIP D. NGUYEN and acknowledged the foregoing instrument to be a free of the deed this day of day of 2015.

ALEX WEBSTER
ALEX WEBSTER
Notary Public, State of Texas
My Commission Expires
My Commission Expires
January 04, 2016

(Motany)

As	the below named inventor, I hereby declare that:	
Th	is declaration is directed to:	
\boxtimes	The attached application to be filed as a United States application or PCT	
	international application, or	
	United States application or PCT international application number	
	; and,	
Entitled:		
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I do further agree to sign all papers, make all rightful oaths and do all requisite acts for the filing of any disclaimer or for the filing and assignment of any divisional,

1 of 1

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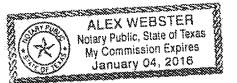
Executed this <u>28</u> day of <u>(</u>

MICHAEL WAYNE SANDERS

STATE OF TEXAS COUNTY OF Harn's

Before me personally appeared said MICHAEL WAYNE SANDERS acknowledged the foregoing instrument to be a free act and deed this $\frac{28^{12}}{2}$ day of OCto<u>Ver</u>, 2015.

Seal



A4 NULL

RECORDED: 03/26/2018