504345749 05/01/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
DENISE NICOLE BENOIT	11/12/2014
NATHAN CARL SCHULTHEISS	11/12/2014
ZHENG LU	11/12/2014
HUMBERTO ALMEIDA OLIVEIRA	11/13/2014
CHANDRA SEKHAR PALLA-VENKATA	11/12/2014

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:	15523530

CORRESPONDENCE DATA

Fax Number: (713)229-2880

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: 713 229-1234

Email: susan.stewart@bakerbotts.com

Correspondent Name: BAKER BOTTS L.L.P.

Address Line 1: 910 LOUISIANA STREET, ONE SHELL PLAZA

Address Line 4: HOUSTON, TEXAS 77002

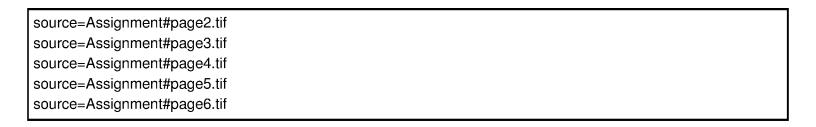
ATTORNEY DOCKET NUMBER:	063718.7189
NAME OF SUBMITTER:	SUSAN STEWART
SIGNATURE:	/Susan Stewart/
DATE SIGNED:	05/01/2017

Total Attachments: 6

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PATENT REEL: 042194 FRAME: 0415

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PATENT REEL: 042194 FRAME: 0416

ASSIGNMENT

Whereas, I/We Denise Nicole Benoit of Harris County, Houston, Texas; Nathan Carl Schultheiss of Harris County, Kingwood, Texas; Zheng Lu of Harris County, Kingwood, Texas; Humberto Almeida Oliveira of Barrio Joa, Lagoa Santa, Minas Gerais, Brazil, and Chandra Sekhar Palla-Venkata of Fort Bend County, Sugar Land, Texas; have invented "TRACEABLE METAL-ORGANIC FRAMEWORKS FOR USE IN SUBTERRANEAN FORMATIONS" for which we have made application for Letters Patent of the International Bureau; and

Whereas, HALLIBURTON ENERGY SERVICES, INC., a Delaware Corporation, having a place of business at 3000 N. Sam Houston Parkway E., Houston, Texas 77032-3219 is desirous of acquiring an interest therein;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We, by these presents do sell, assign and transfer and convey unto HALLIBURTON ENERGY SERVICES, INC., 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, and any divisional, continuing or reissue application based on the present application preparatory to obtaining Letters Patent of the United States therefor; said invention, application and any and all Letters Patent issuing therefor to be held and enjoyed by HALLIBURTON ENERGY SERVICES, INC., for its own use and behoof, 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.

And 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.

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And I do further agree to communicate to HALLIBURTON ENERGY SERVICES, INC., 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 interference or other litigation.

Executed this 12 day of 1	ovember, 20	14.
	******	Denise Benoit
STATE OF TEXAS)	
COUNTY OF HARRIS)	
Before me personally appropriate foregoing instrument to November, 2014.	eared said Denise be his free act	Nicole Benoit and acknowledged the and deed this /2 day of (Notary)

DORI LYNN DAVILA & Notary Public, State of Texas My Commission Expires April 11, 2018

Executed this Aday of Nove	2mb-C12014.
	Nathan Carl Schultheiss
STATE OF TEXAS)
)
COUNTY OF HARRIS)
Before me personally appeared strong instrument to be him which with the beautiful personally appeared strong instrument to be him with the beautiful personally appeared strong instrument.	said Nathan Carl Schultheiss and acknowledged the is free act and deed this day of
Seal	(Notary)
DORI LYNN DAVILA Notary Public, State of Texas My Commission Expires April 11, 2018	

Executed this 12 day of Novam	ber, 2014.	
	Sunt	
	Zheng Lu	
STATE OF TEXAS)	
)	
COUNTY OF HARRIS)	
Before me personally appeared instrument to be his free act and 2014.	said Zheng Lu and acknowledged the foregoing deed this /2 day of /// vemper,	
Seal	Made	
DORI LYNN DAVILA Motary Public, State of Texas My Commission Expires April 11, 2018	(Notary)	

Signature: <u>Howb</u> Name: Hu	erle Alueda Oliveira
Date: 11/13	1224
Residence Address:	Rua Mato Grosso 135 Bairro Joa, Lagoa Santa, Minas Gerais CEP 33400-000 Brazil
Citizenship: Brazil	
Post Office Address:	Same as Residence
n	Some P.E.
Date:	
RW	
Witne	258
, may	
Parlen De OLIM Witness Pri	nted Name
Date: 1/13/	<u>2014</u>
\$ A	
Witness	
Tulie Amaral Witness Prin	Santos ted Name

5 of 6

Executed this <u>/2</u> day of <u><i>Mol</i></u>	vemb-ex	2 2014.
		P.V. Chandra Sekhar Palla-Venkata
STATE OF TEXAS)	
)	
COUNTY OF FORT BEND)	
Before me personally appeared the foregoing instrument to NOVERNOUS, 2014. DORI LYNN DAVIL. Notary Public, State of Text My Commission Expires April 11, 2018	be his free	dra Sekhar Palla-Venkara and acknowledged e act and deed this