504324000 04/17/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JOE ELI HESS	05/15/2014
ANDREW JOHN CUTHBERT	05/15/2014
ARASH HAGHSHENAS	05/15/2014
RONALD WAYNE COURVILLE	05/15/2014

RECEIVING PARTY DATA

Name:	HALLIBURTON ENERGY SERVICES, INC.	
Street Address:	10200 BELLAIRE BOULEVARD	
City:	HOUSTON	
State/Country:	TEXAS	
Postal Code:	77072	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15310609

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: 1399-067.08		
NAME OF SUBMITTER:	VY NGUYEN	
SIGNATURE:	/Vy Nguyen/	
DATE SIGNED:	04/17/2017	

Total Attachments: 5

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PATENT REEL: 042029 FRAME: 0013

ASSIGNMENT

Whereas, I/We, Joe Eli HESS, of Richmond, Texas, Andrew John CUTHBERT, of Spring, Texas, Arash HAGHSHENAS, of Houston, Texas, and Ronald Wayne COURVILLE of Richmond, Texas have invented "METHODS AND SYSTEMS FOR IDENTIFYING AND PLUGGING SUBTERRANEAN CONDUITS" for which I/We have made application for Letters Patent of the United States; and

Whereas, HALLIBURTON ENERGY SERVICES, INC., a Delaware Corporation, having a place of business at 10200 Bellaire Boulevard, Houston, Texas 77072 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 serial number PCT/US14/38430 filed on 16 May 2014 (attorney is authorized to enter the serial number and filing date) 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.

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.

Page I of 5

Executed this 15 day of MAY	, 2014.	
Joe Eli HESS STATE OF)) ss COUNTY OF)	Joe Eli HESS	***************************************
Defense men the condensation of mathematics and	this day 15 ¹⁴ day of <u>MW</u>	ຕກເຮ
	wn to me to be the person whose name is sul	
	will to me to be the person whose name is sui ged to me that he executed the same of his ow	
for the purposes and consideration therein		11 1166 17111
Tare R Logen My Commission Expires 11/15/2015	(Notary Public)	
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	Page 2 of 5	

Executed this	/5_day of	MAY	, 201	4.		
STATE OF		ì	AC androw J	<i>CONSOLL</i> JAN CUTHBER	T	
) ss)				
Before me, the u personally apper subscribed to the	ared Andrew J e foregoing ins	ohn CUTHBE trument and ac	ERT, known t knowledged to	o me to be the p o me that he exe	erson whose no	
Tara Ri My Come 11/15/2	~~~~~~ .ogan nission Expires J15 ~~~~~~	Ž	\int) volu		
			(144	sary ruone)		
	STATE OF COUNTY OF Before me, the upersonally appersubscribed to the own free will for	STATE OF COUNTY OF Before me, the undersigned autopersonally appeared Andrew Journal of the foregoing instantial subscribed to the subscrib	COUNTY OF Before me, the undersigned authority, on this a personally appeared Andrew John CUTHBE subscribed to the foregoing instrument and ac own free will for the purposes and considerations.	STATE OF STATE OF STATE OF Separate of the undersigned authority, on this day Separate of the foregoing instrument and acknowledged to the foregoing inst	STATE OF State	STATE OF) ss COUNTY OF Before me, the undersigned authority, on this day

Executed this 15 day of May
Arash HAGHSHENKS
STATE OF) ss
COUNTY OF O
Before me, the undersigned authority, on this day 15 day of MAVY, 2014,
personally appeared Arash HAGHSHENAS, known to me to be the person whose name is
subscribed to the foregoing instrument and acknowledged to me that he executed the same of his
ewn for will for the oursess and gonsideration therein expressed.
Experses S Commission Experses
S Ny Commission Express 11/15/2015
ISEATY CARD BU
(Notary Public)
Page 4 of 5

Executed this <u>15</u> day of <u>M4</u> Y	, 2014.
	Postal Walter L
	Ronald Wayne CON RVILLE
STATE OF	
COUNTY OF)	
Before me, the undersigned authority, on this d	ay <u>15¹/_{day} or May</u> , 2014,
	ILLE, known to me to be the person whose name
	acknowledged to me that he executed the same of
his swip free will for the purposes and consider Tara R Logan Hy Commission Expres 11/15/2015	ation therein expressed.
(SEAL)	- Ynou
	(Notary Public)
Pag	e 5 of 5

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