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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4337380

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
THOMAS EARL BURKY	12/09/2016
JAMES MARSHALL BARKER	12/09/2016
DENNIS J. HAGGERTY	12/09/2016

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:	15514124

CORRESPONDENCE DATA

Fax Number: (214)200-0853

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.

Email: ipdocketing@haynesboone.com

HAYNES AND BOONE, LLP IP SECTION Correspondent Name:

Address Line 1: 2323 VICTORY AVENUE

Address Line 2: SUITE 700

Address Line 4: DALLAS, TEXAS 75219

ATTORNEY DOCKET NUMBER:	7523.1602US02
NAME OF SUBMITTER:	LESLIE AUSTIN
SIGNATURE:	/LESLIE AUSTIN/
DATE SIGNED:	03/27/2017

Total Attachments: 4

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ASSIGNMENT

WHEREAS, Thomas Earl BURKY (an "ASSIGNOR"), a citizen of the United States, residing at 2501 Blossom Trail Mansfield, TX 76063, has developed and is the owner of certain inventions as embodied in and represented by the Intellectual Property, as defined below.

WHEREAS, James Marshall BARKER (an "ASSIGNOR") a citizen of the United States, residing at 2013 Chrisman Trail Mansfield, TX 76063 has developed and is the owner of certain inventions as embodied in and represented by the Intellectual Property, as defined below.

WHEREAS, Dennis J. HAGGERTY (an "ASSIGNOR") a citizen of the United States, residing at 2613 Plains View Drive, Burleson, TX 76028 has developed and is the owner of certain inventions as embodied in and represented by the Intellectual Property, as defined below.

"Intellectual Property" shall collectively mean the technology developed by ASSIGNOR and generally titled;

AUTONOMOUS PRESSURE CONTROL ASSEMBLY WITH STATE-CHANGING VALVE SYSTEM

as w	ell as any application related	thereto, including	ş, without lim	iitation, the appli	cation(s):
	of even date filed herewith;				
	filed on December 1, 2016 7US2016/064330.	and assigned Inte	mational app	lication number	

WHEREAS, ASSIGNOR is desirous of assigning all of his right in the Intellectual Property to Halliburton Energy Services Inc. ("ASSIGNEE"), a corporation, doing business at 3000 N. Sam Houston Parkway E., Houston, Texas 77032, United States of America.

NOW, THEREFORE, subject to the terms, conditions, covenants and provisions of this Assignment, and in consideration of Ten Dollars (\$10.00) and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged by ASSIGNOR, the parties hereto, intending legally to be bound, agree as follows:

ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE, its successors and assigns, said ASSIGNOR'S entire right, title, and interest in the Intellectual Property, including, without limitation, (i) all United States and foreign rights therein, whether patentable or not, and in and to aforesaid patents, patent applications and any divisions or continuations thereof, and any patents or similar registrations obtained for the Intellectual Property in the United States and foreign countries, or issuing out of said application or any such division or continuation thereof, and any reissues or extensions of any such patents, as well as all rights to claim priority to any of the foregoing and (ii) all causes of action, past, present, and future, for infringement, unfair

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Halliburton Reference: 2016-IPM-100341 PCT Patent/ HB Docket No. 7523.1602WO02 Customer No. 000027683

competition or otherwise with respect to the Intellectual Property and all disclosures of ideas. whether or not patentable and all pending applications.

ASSIGNOR hereby authorizes and requests the Commissioner of Patents of the United States, and any official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

ASSIGNOR hereby covenants that (i) he believes himself to be the original and first inventor of the subject matter of the Intellectual Property; (ii) he has the full right to convey his entire right, title and interest in said Intellectual Property, and (iii) he has not executed and will not execute any agreement in conflict herewith.

ASSIGNOR further covenants that he will not undertake any activity to erode or challenge the ASSIGNEE'S rights in the Intellectual Property assigned hereunder.

ASSIGNOR further covenants that he will, at any time, upon ASSIGNEE'S request. execute and deliver any and all papers that may be necessary or desirable to perfect the title in the Intellectual Property, or any patents that may be granted therefore, in the ASSIGNEE, its successors and assigns, and if ASSIGNEE, or its assignee, desires to make a substitute, divisional or continuation application for said Intellectual Property, or to secure a reissue or extension of any Letters Patent, to file disclaimer relating thereto, or an application for a corresponding patent in any foreign country, or undertake any other act to secure and protect the ASSIGNEE'S rights in the Intellectual Property, that he will upon request, sign all papers, make all rightful oaths, and do all lawful acts requisite for the said purposes, but at the expense of the ASSIGNEE:

ASSIGNOR hereby acknowledges that the entire beneficial interest in the Intellectual Property and to which the above application relates is irrevocably vested in the ASSIGNEE including the right to make the application for protection in all countries abroad and to claim priority under the International Convention for such applications and hereby assents to the making of any such applications, with or without priority claims, and of any divisional application resulting therefrom.

ASSIGNOR further covenants that he will at all times communicate to the ASSIGNEE. its successors, assigns or legal representatives, all facts relating to the Intellectual Property, or the history thereof, known to him, and testify as the same in interferences or other litigation, when requested so to do.

Executed and delivered this $2^{-\frac{1}{2}}$ day of $2^{\frac{1}{2}}$ 2016.

Inventor: Thomas Earl BURKY

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2

Halliburton Reference: 2016-IPM-100341 PCT Patent/ HB Docket No. 7523.1602WO02 Customer No. 000027683

State of 72425 \$ County of Tarrant

BEFORE ME, the undersigned authority, personally appeared this am day of 2016, Thomas Earl BURKY, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he signed, sealed and delivered the said instrument as his free and voluntary act and deed for the uses and purposes therein set forth.

CATHERINE L. PETERSON Notary Public, State of Texas My Commission Expires July 01, 2017

Notary Public in and for the State of Texas

My Commission Expires: July 01, 2017

Executed and delivered this 9th day of Decaber 2016.

Inventor:

State of <u>TEXAS</u> County of TARRAUT

BEFORE ME, the undersigned authority, personally appeared this 24 day of Decamber 2016, James Marshall BARKER, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he signed, sealed and delivered the said instrument as his free and voluntary act and deed for the uses and purposes

therein set forth.

Cothoria: L Poterson
Notary Public in and for the State of 78,005

My Commission Expires: July 01, 2017

Catherine L. Peterson Notary Public, State of Texas My Commission Expires July 01, 2017

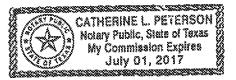
Halliburton Reference: 2016-IPM-100341 PCT Patent/ HB Docket No. 7523.1602WO02 Customer No. 000027683

Executed and delivered t	this	9	dav	of	DECEMBER	2016
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State of TEXAS

County of <u>John Son</u>

BEFORE ME, the undersigned authority, personally appeared this 44 day of 2016, Dennis J. HAGGERTY, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he signed, sealed and delivered the said instrument as his free and voluntary act and deed for the uses and purposes therein set forth.



My Commission Expires: July 04, 2017

RECORDED: 03/27/2017