505252301 12/26/2018 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5299071

SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT		
CONVEYING PARTY D	ΑΤΑ				
		Name	Execution Date		
HUBERTUS V. THOME	ER		12/06/2018		
SEAN A. OSBORNE			12/06/2018		
ERIK K. HOWARD			12/06/2018		
RECEIVING PARTY DA	TA				
Name:	BJ SER	VICES, LLC			
Street Address:	11211 F	M 2920 RD			
City:	TOMBA	LL			
State/Country:	TEXAS				
Postal Code:	77375				
Property Type		Number			
Application Number:	1	6227987			
Application Number:		6227987			
CORRESPONDENCE	DATA	6227987			
CORRESPONDENCE D Fax Number: <i>Correspondence will b</i>	DATA (; e sent to	281)404-4468 the e-mail address first; if that is unsuc			
CORRESPONDENCE D Fax Number: <i>Correspondence will b</i>)ATA (; e sent to provided;	281)404-4468			
CORRESPONDENCE E Fax Number: <i>Correspondence will b</i> <i>using a fax number, if</i> Phone: Email:	DATA (; provided; 2 n	281)404-4468 the e-mail address first; if that is unsuc if that is unsuccessful, it will be sent v 281-404-4859 npruitt@mktlaw.com			
CORRESPONDENCE E Fax Number: <i>Correspondence will b</i> <i>using a fax number, if</i> Phone: Email: Correspondent Name:	DATA (; provided; 2 n N	281)404-4468 <i>the e-mail address first; if that is unsuc</i> <i>if that is unsuccessful, it will be sent v</i> 281-404-4859 npruitt@mktlaw.com <i>I</i> OSSMAN, KUMAR AND TYLER, PC			
CORRESPONDENCE E Fax Number: <i>Correspondence will b</i> <i>using a fax number, if</i> Phone: Email: Correspondent Name: Address Line 1:	DATA (; provided; 2 n N F	281)404-4468 the e-mail address first; if that is unsuc if that is unsuccessful, it will be sent v 281-404-4859 npruitt@mktlaw.com MOSSMAN, KUMAR AND TYLER, PC P.O. BOX 421239			
CORRESPONDENCE D Fax Number: <i>Correspondence will b</i> <i>using a fax number, if</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 4:	DATA (; provided; 2 n N F F	281)404-4468 <i>the e-mail address first; if that is unsuc</i> <i>if that is unsuccessful, it will be sent v</i> 281-404-4859 npruitt@mktlaw.com MOSSMAN, KUMAR AND TYLER, PC P.O. BOX 421239 HOUSTON, TEXAS 77242			
CORRESPONDENCE D Fax Number: <i>Correspondence will b</i> <i>using a fax number, if</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 4:	DATA (; provided; 2 n N F F	281)404-4468 the e-mail address first; if that is unsuc if that is unsuccessful, it will be sent v 281-404-4859 npruitt@mktlaw.com MOSSMAN, KUMAR AND TYLER, PC P.O. BOX 421239 HOUSTON, TEXAS 77242 BJS-1001-US			
CORRESPONDENCE E Fax Number: Correspondence will b using a fax number, if Phone: Email: Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET NUMARE OF SUBMITTER:	DATA (; provided; 2 n N F F	281)404-4468 the e-mail address first; if that is unsuc if that is unsuccessful, it will be sent v 281-404-4859 npruitt@mktlaw.com MOSSMAN, KUMAR AND TYLER, PC P.O. BOX 421239 HOUSTON, TEXAS 77242 BJS-1001-US CHANDRAN D. KUMAR			
CORRESPONDENCE D Fax Number: <i>Correspondence will b</i> <i>using a fax number, if</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 4:	DATA (; provided; 2 n N F H	281)404-4468 the e-mail address first; if that is unsuc if that is unsuccessful, it will be sent v 281-404-4859 npruitt@mktlaw.com MOSSMAN, KUMAR AND TYLER, PC P.O. BOX 421239 HOUSTON, TEXAS 77242 BJS-1001-US			
CORRESPONDENCE E Fax Number: Correspondence will b using a fax number, if Phone: Email: Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET NUMARE OF SUBMITTER:	DATA (; provided; 2 n N F H	281)404-4468 the e-mail address first; if that is unsuc if that is unsuccessful, it will be sent v 281-404-4859 npruitt@mktlaw.com MOSSMAN, KUMAR AND TYLER, PC P.O. BOX 421239 HOUSTON, TEXAS 77242 BJS-1001-US CHANDRAN D. KUMAR			
CORRESPONDENCE E Fax Number: Correspondence will b using a fax number, if Phone: Email: Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET NUME NAME OF SUBMITTER: SIGNATURE: DATE SIGNED: Total Attachments: 4	DATA (: provided; 2 n N F JMBER:	281)404-4468 the e-mail address first; if that is unsuc if that is unsuccessful, it will be sent v 281-404-4859 npruitt@mktlaw.com AOSSMAN, KUMAR AND TYLER, PC P.O. BOX 421239 HOUSTON, TEXAS 77242 BJS-1001-US CHANDRAN D. KUMAR /Chandran D. Kumar/ 12/26/2018			
CORRESPONDENCE D Fax Number: Correspondence will b using a fax number, if Phone: Email: Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET NUME ADDRESS DOCKET NUME AME OF SUBMITTER: DATE SIGNED: Total Attachments: 4 source=BJS-1001US - Ex	DATA (; e sent to provided; 2 n N F JMBER:	281)404-4468 the e-mail address first; if that is unsuccessful, it will be sent volume 281-404-4859 281-404-485			
CORRESPONDENCE E Fax Number: Correspondence will b using a fax number, if Phone: Email: Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET NU NAME OF SUBMITTER: SIGNATURE: DATE SIGNED: Total Attachments: 4 source=BJS-1001US - Expource=BJS-1001US -	DATA (; provided; 2 n N F JMBER:	281)404-4468 the e-mail address first; if that is unsuc if that is unsuccessful, it will be sent v 281-404-4859 npruitt@mktlaw.com AOSSMAN, KUMAR AND TYLER, PC P.O. BOX 421239 HOUSTON, TEXAS 77242 BJS-1001-US CHANDRAN D. KUMAR /Chandran D. Kumar/ 12/26/2018			

ASSIGNMENT

IN CONSIDERATION OF ONE (1) DOLLAR AND OTHER GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, do hereby:

SELL, ASSIGN AND TRANSFER to BJ SERVICES, LLC., a Delaware Corporation, having a place of business at 11211 FM 2920 Rd. Tomball, Texas 77375 the entire right, title and interest for the United States and all foreign countries in and to any and all inventions and improvements that are disclosed in the Patent Application entitled, "DEVICES AND **RELATED METHODS FOR HYRAULIC FRACTURING,**" further identified as Attorney Docket No.: BJS-1001US; such identified US Non-Provisional patent application; all applications that take priority from such identified patent application; all provisional non-provisional applications, applications, divisional, continuing, continuation-in-part, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such inventions or improvements; and all original and reissued patents that have been or shall be issued in the United States and all foreign countries on such inventions or improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such identified PCT patent;

AUTHORIZE AND HEREBY REQUEST the issuing authorities to issue any and all United States and foreign patents granted on such inventions or improvements to **BJ** SERVICES, LLC.;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purposes of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

IN WITNESS WHEREOF, the undersigned have hereunto subscribed their names on the date set opposite their signatures.

Assignment Page 1 of 4

PATENT REEL: 047852 FRAME: 0002

1

(Signature)	appleby. K	Date	12-6-18	
Name:	Hubertus V. Thomeer		_	
Ş				
· §				

BEFORE ME, on this $\underline{5+h}$ day of \underline{hec} , 2018 personally appeared Hubertus V. Thomeer, the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

Nora Long Notary Public, State of Texas Comm. Expires 09/15/2020 Notary ID 13082254-6

Y PUBLIC WITNE

Assignment Page 2 of 4

PATENT REEL: 047852 FRAME: 0003

(Signatur	Dat	
(Signature) Name:	Sean A. Osborne	
ş		

Date 72-6-2018

BEFORE ME, on this 5 th day of 20 and 20 and 20 and 20 and 20 day of 20 and 2



Assignment Page 3 of 4

PATENT REEL: 047852 FRAME: 0004

(Signature)	Cr/fal	Date _	12-6-2018	
Name:	Erik M. Howard			
	0			
	.8			
	Ş			

BEFORE ME, on this $5 \frac{4}{10}$ day of <u>lec</u>, 2018 personally appeared Erik M. Howard, the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.



BLIC

Assignment Page 4 of 4

PATENT REEL: 047852 FRAME: 0005

RECORDED: 12/26/2018