

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4013321

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	KEWEI ZHANG	11/26/2010
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	TRICAN WELL SERVICE LTD.	
<b>Street Address:</b>	645-7TH AVENUE SW	
<b>Internal Address:</b>	SUITE 2900	
<b>City:</b>	CALGARY, ALBERTA	
<b>State/Country:</b>	CANADA	
<b>Postal Code:</b>	T2P 4G8	
<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	14273030
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(205)488-6267	
<i>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.</i>		
<b>Phone:</b>	205-521-8267	
<b>Email:</b>	devans@bradley.com	
<b>Correspondent Name:</b>	DONITA EVANS	
<b>Address Line 1:</b>	1819 FIFTH AVENUE NORTH	
<b>Address Line 2:</b>	BRADLEY ARANT BOULT CUMMINGS LLP	
<b>Address Line 4:</b>	BIRMINGHAM, ALABAMA 35203	
<b>ATTORNEY DOCKET NUMBER:</b>	P105843US03NJ	
<b>NAME OF SUBMITTER:</b>	DONITA EVANS	
<b>SIGNATURE:</b>	/donita evans/	
<b>DATE SIGNED:</b>	08/18/2016	
<b>Total Attachments: 2</b>		
source=14273030assign#page1.tif		
source=14273030assign#page2.tif		

## **ASSIGNMENT OF PATENT APPLICATION**

I, **Kewei ZHANG**, residing at 418-11979 49th Street, SE, Calgary, Alberta, T2Z 4M3 ("Assignor") state that I am the original inventor of the inventions relating to the

### **CONTROL OF PARTICULATE ENTRAINMENT BY FLUIDS**

described in the U.S. patent application bearing the same title, and naming as inventor myself, Kewei ZHANG, (such inventions and description being the "Invention"), such application referred to herein as "the Current Application." Assignor agrees to assign, and hereby does assign for good and valuable consideration, receipt and sufficiency of which are hereby expressly acknowledged, and hereby does sell, assign and transfer unto

**Trican Well Service Ltd.**, 645-7th Avenue SW, Suite 2900, Calgary, Alberta, T2P 4G8, Canada (the "Assignee")

a corporation organized under the laws of Canada, and its successors, assigns and legal representatives, Assignor's entire right, title and interest, for all countries in and to: (1) the Invention, (2) the Current Application and any invention(s) (including without limitation, improvement(s)) set forth therein; and (3) any and all applications (and all rights and inventions therein) that claim the benefit of or priority to the Current Application (including without limitation any and all nonprovisional applications, continuations, continuations-in-part, divisionals, renewals of, International Applications, national stage applications, foreign counterpart applications, and substitutes); and (4) all the rights and privileges under any and all Letters Patent that may be granted for any of the foregoing in any country, and any reissues, or reexaminations, or extensions thereof. Assignor requests that any and all Letters Patent for said inventions be issued to said Assignee, its successors, assigns and legal representatives, or to such nominees as it may designate.

I hereby authorize and request attorneys **Bradley Arant Boult Cummings, LLP**, to insert here in parentheses the filing date and application number of the Current Application when known: (Appl. No. 14/273030, filed May 8, 2014).

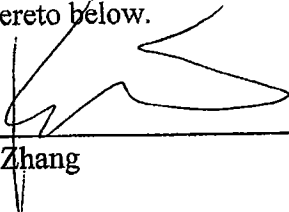
Assignor agrees that, when requested, Assignor will, without charge to said Assignee but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in said Assignee, its successors, assigns and legal representatives or nominees.

Assignor authorizes and empowers said Assignee, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the Patent Cooperation Treaty, the Paris Convention, and the International Convention for the Protection of Industrial Property, as amended, or by any convention or treaty which may henceforth be substituted for said treaties and conventions, and to invoke and claim such right of priority without further written or oral authorization from me.

Assignor hereby consents that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said Assignee or nominee to claim the aforesaid benefit of the right of priority provided by the International convention which may henceforth be substituted for it.

Assignor represents and covenants with said Assignee, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that Assignor has full right to convey the same as herein expressed.


IN WITNESS WHEREOF, and with the intent to be bound, the inventor identified above signs his name hereto below.

  
Kewei Zhang

NOV. 26, 2010

Date

61  
On this 28 day of Nov, 2010, personally appeared Kewei Zhang to me known to me to be the assignor above-named and acknowledged that she executed the foregoing Assignment.

  
Notary Public in and for  
the Province of Alberta

GEORGE W. PETEL  
Barrister & Solicitor  
A Notary Public  
In and for the Province of Alberta