

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT3674498

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
LOAN VO	08/05/2013
FENG LIANG	08/05/2013
TINGJI TANG	08/05/2013
PHILIP D. NGUYEN	08/05/2013
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	HALLIBURTON ENERGY SERVICES, INC.
<b>Street Address:</b>	10200 BELLAIRE BOULEVARD
<b>City:</b>	HOUSTON
<b>State/Country:</b>	TEXAS
<b>Postal Code:</b>	77072
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14901785
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(713)229-2880
<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>	713 229-1234
<b>Email:</b>	susan.stewart@bakerbotts.com
<b>Correspondent Name:</b>	BAKER BOTTS L.L.P.
<b>Address Line 1:</b>	910 LOUISIANA STREET, ONE SHELL PLAZA
<b>Address Line 4:</b>	HOUSTON, TEXAS 77002
<b>ATTORNEY DOCKET NUMBER:</b>	063718.5817
<b>NAME OF SUBMITTER:</b>	SUSAN STEWART
<b>SIGNATURE:</b>	/Susan Stewart/
<b>DATE SIGNED:</b>	12/29/2015
<b>Total Attachments: 5</b>	
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### ASSIGNMENT

Whereas, we, Loan VO of Summerwood, Texas, Feng LIANG of Cypress, Texas, Tingji TANG of Spring, Texas and Philip D. NGUYEN of Houston, Texas, have invented "WELLBORE SERVICING MATERIALS AND METHODS OF MAKING AND USING SAME" for which we have made application for Letters Patent of the United States and/or any and all foreign countries; 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, 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 No. PCT/US13/53029 filed on July 31, 2013 (attorney is authorized to fill in the blank when known), 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 us and had this assignment and sale not been made.

And we 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 we 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 us, and to testify as to such facts in any interference or other litigation.

Executed this 5 day of August, 2013.

V. Jan

Loan VO

STATE OF TEXAS )

) ss

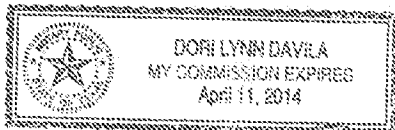
COUNTY OF Harris )

Before me personally appeared said **Loan VO** and acknowledged the foregoing instrument to be his free act and deed this 5 day of August, 2013.

Handwritten Signature

(Notary)

Seal




Executed this 5 day of August, 2013.

Feng LIANG

STATE OF TEXAS )  
 ) SS  
COUNTY OF Harris )

Before me personally appeared said **Feng LIANG** and acknowledged the foregoing instrument to be his free act and deed this 5 day of August, 2013.

Seal

 DORI LYNN DAVILA  
MY COMMISSION EXPIRES:  
April 11, 2014

Kari Kaul  
(Notary)

Executed this 5 day of August, 2013.

*[Handwritten signature]*

*[Handwritten signature]*

Tingji TANG

STATE OF TEXAS )

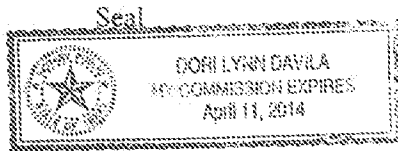
) ss

COUNTY OF Harris )

Before me personally appeared said **Tingji TANG** and acknowledged the foregoing instrument to be his free act and deed this 5 day of August, 2013.

*[Handwritten signature]*

(Notary)



Executed this 5 day of August, 2013.

~~Philip D. NGUYEN~~

STATE OF TEXAS )

(22)

COUNTY OF ARIZONA)

Before me personally appeared said **Philip D. NGUYEN** and acknowledged the foregoing instrument to be his free act and deed this 5 day of August, 2013.

(Notary)

