

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Xiaolan Wang</td> <td>12/18/2012</td> </tr> <tr> <td>Qi Qu</td> <td>12/18/2012</td> </tr> <tr> <td>Scott Nelson</td> <td>12/14/2012</td> </tr> <tr> <td>Hong Sun</td> <td>12/18/2012</td> </tr> <tr> <td>Michael Guerin</td> <td>12/20/2012</td> </tr> </tbody> </table>		Name	Execution Date	Xiaolan Wang	12/18/2012	Qi Qu	12/18/2012	Scott Nelson	12/14/2012	Hong Sun	12/18/2012	Michael Guerin	12/20/2012
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RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>Baker Hughes Incorporated</td> </tr> <tr> <td>Street Address:</td> <td>2929 Allen Parkway</td> </tr> <tr> <td>Internal Address:</td> <td>Suite 2100</td> </tr> <tr> <td>City:</td> <td>Houston</td> </tr> <tr> <td>State/Country:</td> <td>TEXAS</td> </tr> <tr> <td>Postal Code:</td> <td>77019-2118</td> </tr> </table>		Name:	Baker Hughes Incorporated	Street Address:	2929 Allen Parkway	Internal Address:	Suite 2100	City:	Houston	State/Country:	TEXAS	Postal Code:	77019-2118
Name:	Baker Hughes Incorporated												
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PROPERTY NUMBERS Total: 1													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13718844</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13718844								
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CORRESPONDENCE DATA													
Fax Number: 8602860115 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 860-286-2929 Email: usptopatentmail@cantorcolburn.com Correspondent Name: Cantor Colburn LLP Address Line 1: 20 Church Street Address Line 2: 22nd Floor Address Line 4: Hartford, CONNECTICUT 06103													
ATTORNEY DOCKET NUMBER:	PPS4-5441-US (PPS0001USP)												

NAME OF SUBMITTER:	Paige J. Thomson
Signature:	/Paige J. Thomson/
Date:	07/15/2013
<p>Total Attachments: 6 source=6PN6396#page1.tif source=6PN6396#page2.tif source=6PN6396#page3.tif source=6PN6396#page4.tif source=6PN6396#page5.tif source=6PN6396#page6.tif</p>	

PATENT APPLICATION ASSIGNMENT

WHEREAS, WE, Xiolan Wang, Qi Qu, Scott Nelson, Hong Sun and Michael Guerin, have invented new and useful improvements in **FRACTURING FLUIDS AND METHODS FOR TREATING HYDROCARBON-BEARING FORMATIONS** for which we have filed as United States Patent Application 13/718,844 on Decemeber 18, 2012;

WHEREAS, Baker Hughes Incorporated, a corporation of the State of Delaware, having a correspondence address of 2929 Allen Parkway, Suite 2100, Houston, Texas 77019-2118, is desirous of acquiring our entire right, title and interest in said application and our Letters Patent which may issue thereon.

NOW, THEREFORE, it be known by all whom it may concern that for and in consideration of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and other good and valuable consideration, We hereby assign to said corporation, both in and for the territory of the United States of America and the entire world, all our title and interest in and to said invention, patent application and any patent which may issue thereon, including all divisions, continuations, reissues, continuations-in-part and substitutions thereof, plus all priority rights for patent applications foreign to the United States of America. We further hereby assign and transfer to said corporation whatever cause of action We may have for past or present infringement of said invention, together with the right to bring suit for any such infringement and to seek and receive damages and other relief arising from any such infringement.

WE HEREBY covenant and agree that We will at any time, upon the request of said corporation, execute and deliver any and all papers and do all lawful acts that may be necessary or desirable to perfect the title to said invention, applications and patents, and We authorize the Commissioner of Patents and Trademarks to issue Letters patent to said corporation.

Inventor 1

XIAOLAN WANG

Date:

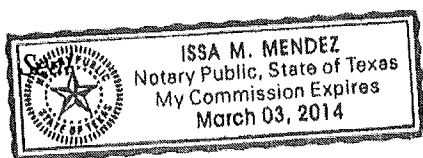
12-18-2012

STATE OF

SS.

COUNTY OF

This 18 day of December, 2012 before me personally came the above-named **Xiaolan Wang**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.



Issa M. Mendez
(Notary Public)

Inventor 2

Qi Qu Date: 12/18/2012

QI QU

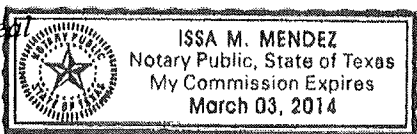
STATE OF

ss.

COUNTY OF

This 18 day of December, 2012 before me personally came the above-named **Qi Qu**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Subl



Issa M. Mendez
(Notary Public)

Inventor 3

Scott Nelson Date: 12/14/2012
SCOTT NELSON

STATE OF Oklahoma
COUNTY OF Oklahoma SS.

This 14 day of December, 2012 before me personally came the above-named **Scott Nelson**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal



Kelly Haygood
(Notary Public)

Inventor 4

Hong
HONG SUN

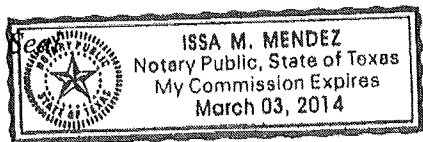
Date: 12/18/2012

STATE OF

SS.

COUNTY OF

This 18 day of December, 2012 before me personally came the above-named **Hong Sun**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.



Issa M. Mendez
(Notary Public)

Inventor 5


MICHAEL GUERIN

Date:

12/20/12
~~12/20/12~~

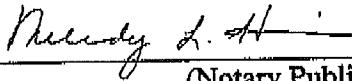
STATE OF

ss.

COUNTY OF

This 20th day of December, 2012 before me personally came the above-named **Michael Guerin**, to me personally known as the individual who executed the foregoing assignment, who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Seal


(Notary Public)

