

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4348067

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|---|-----------------------------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| WALMY CUELLO JIMENEZ | 12/20/2013 |
| XUEYU PANG | 12/20/2013 |
| PAUL JONES | 01/03/2014 |
| ROBERT ERIC EPSTEIN | 12/18/2013 |
| ZACHARY EDWARD GORDON | 01/08/2014 |
| BATAKRISHNA MANDAL | 12/17/2013 |
| TATIANA GILSTRAP | 12/19/2013 |
| RECEIVING PARTY DATA | |
| Name: | HALLIBURTON ENERGY SERVICES, INC. |
| Street Address: | 3000 N. SAM HOUSTON PARKWAY E. |
| Internal Address: | SUITE 620 |
| City: | DALLAS |
| State/Country: | TEXAS |
| Postal Code: | 75254 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 15028761 |
| CORRESPONDENCE DATA | |
| Fax Number: | (972)480-8865 |
| <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> | |
| Phone: | 972-480-8800 |
| Email: | docket@pj-iplaw.com |
| Correspondent Name: | PARKER JUSTISS, P.C. |
| Address Line 1: | 14241 DALLAS PARKWAY |
| Address Line 2: | SUITE 620 |
| Address Line 4: | DALLAS, TEXAS 75254 |
| ATTORNEY DOCKET NUMBER: | 2013-070471 U1 US |
| NAME OF SUBMITTER: | GREG H. PARKER |
| SIGNATURE: | /Greg H. Parker/ |

PATENT

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| DATE SIGNED: | 03/31/2017 |
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Total Attachments: 8

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ASSIGNMENT

For valuable consideration, we, Walmy Cuello Jimenez of Houston, TX, Xueyu Pang of Houston, TX, Paul Jones of Humble, Texas, Robert Eric Epstein of Spring, TX, Zachary Edward Gordon of Conroe, TX, Batakrisna Mandal of Missouri City, TX, and Tatiana Gilstrap of The Woodlands, TX, hereby assign to Halliburton Energy Services, Inc., a Delaware corporation having a place of business at Houston, Texas, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of a PCT application entitled VALIDATION OF CASED-HOLE ACOUSTIC TOOLS, filed November 12, 2013, and assigned PCT Serial Number PCT/US2013/069719, this assignment including said application, any and all United States and foreign applications and patents, utility models, and design registrations for any of said inventions or improvements; and the right to claim priority based on the filing date of said application under all treaties; and we hereby authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

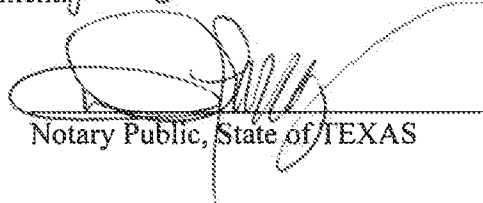
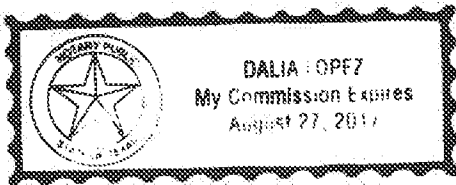


Walmy Cuello Jimenez

DATE: 12/20/2013

STATE OF TEXAS §
 §
COUNTY OF Harris §

On the 20th day of December, 2013, before me, the undersigned notary public, personally appeared Walmy Cuello Jimenez known to me to be the person whose name is subscribed on the foregoing instrument.



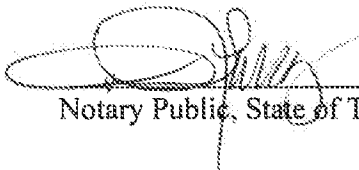
Notary Public, State of TEXAS

Xueyu Pang
Xueyu Pang

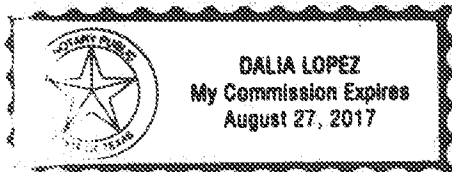
DATE: 12/20/2013

STATE OF TEXAS §
 §
COUNTY OF HARRIS §

On the 20th day of December, 2013, before me, the undersigned notary public, personally appeared Xueyu Pang, known to me to be the person whose name is subscribed on the foregoing instrument.



Notary Public, State of Texas



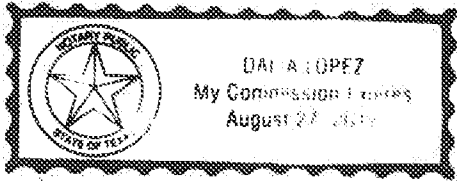
Paul J. Jones
Paul Jones

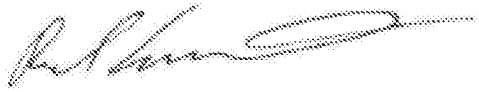
DATE: 1-3-14

STATE OF TEXAS §
 §
COUNTY OF Harris §

On the 3rd day of January, 2014, before me, the undersigned notary public, personally appeared Paul Jones, known to me to be the person whose name is subscribed on the foregoing instrument.

[Signature]
Notary Public, State of Texas





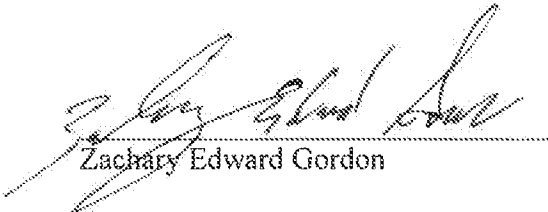
DATE: 12-18-13

Robert Eric Epstein

STATE OF TEXAS §
 §
COUNTY OF _____ §

On the _____ day of _____, _____, before me, the undersigned notary public, personally appeared _____, known to me to be the person whose name is subscribed on the foregoing instrument.

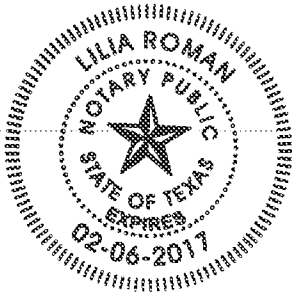
Notary Public, State of Texas


Zachary Edward Gordon

DATE: 1/8/14

STATE OF TEXAS §
 §
COUNTY OF Harris §

On the 8th day of January, 2014, before me, the undersigned notary public, personally appeared Zachary Edward Gordon, known to me to be the person whose name is subscribed on the foregoing instrument.



Lilia Roman
Notary Public, State of Texas

Batakrishna Mandal

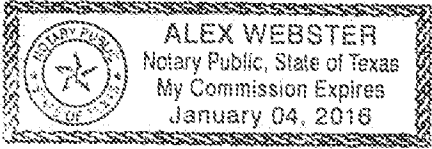
DATE: 12/17/13

Batakrishna Mandal

STATE OF TEXAS §

COUNTY OF Harris §

On the 17th day of December, 2013 before me, the undersigned notary public, personally appeared B. Mandal, known to me to be the person whose name is subscribed on the foregoing instrument.



Alex Webster
Notary Public, State of Texas

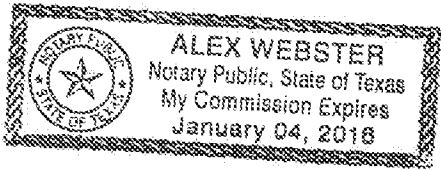
Takana Gilstrap
Takana Gilstrap

DATE: 12/19/2013

STATE OF TEXAS §
 §
COUNTY OF Harris §

On the 19th day of December, 2013, before me, the undersigned notary public, personally appeared Takana Gilstrap, known to me to be the person whose name is subscribed on the foregoing instrument.

Alex Webster
Notary Public, State of Texas



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