

PATENT ASSIGNMENT

Electronic Version v1.1  
Stylesheet Version v1.1

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>Adan Hernandez Herrera</td><td>10/21/2011</td></tr><tr><td>James H. Dudley</td><td>08/10/2011</td></tr><tr><td>Michael Dewayne Finke</td><td>09/06/2011</td></tr><tr><td>Christopher Allen Golla</td><td>11/14/2011</td></tr></tbody></table>		Name	Execution Date	Adan Hernandez Herrera	10/21/2011	James H. Dudley	08/10/2011	Michael Dewayne Finke	09/06/2011	Christopher Allen Golla	11/14/2011
Name	Execution Date										
Adan Hernandez Herrera	10/21/2011										
James H. Dudley	08/10/2011										
Michael Dewayne Finke	09/06/2011										
Christopher Allen Golla	11/14/2011										
RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>Halliburton Energy Services, Inc.</td></tr><tr><td>Street Address:</td><td>10200 Bellaire Boulevard</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>77072</td></tr></table>		Name:	Halliburton Energy Services, Inc.	Street Address:	10200 Bellaire Boulevard	City:	Houston	State/Country:	TEXAS	Postal Code:	77072
Name:	Halliburton Energy Services, Inc.										
Street Address:	10200 Bellaire Boulevard										
City:	Houston										
State/Country:	TEXAS										
Postal Code:	77072										
PROPERTY NUMBERS Total: 3											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>13201343</td></tr><tr><td>Application Number:</td><td>61152015</td></tr><tr><td>PCT Number:</td><td>US1023875</td></tr></tbody></table>		Property Type	Number	Application Number:	13201343	Application Number:	61152015	PCT Number:	US1023875		
Property Type	Number										
Application Number:	13201343										
Application Number:	61152015										
PCT Number:	US1023875										
CORRESPONDENCE DATA											
Fax Number: (512)610-3456											
Phone: 512-610-3410											
Email: eskaggs@conleyrose.com											
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>											
Correspondent Name: Mark E. Scott											
Address Line 1: 2508 Ashley Worth Blvd., Suite 200											
Address Line 4: Austin, TEXAS 78738											
ATTORNEY DOCKET NUMBER:	1391-83403										

501723107

PATENT  
REEL: 027222 FRAME: 0622

CH \$120.00 13201343

NAME OF SUBMITTER:

Mark E. Scott

**Total Attachments: 5**

source=1391-83403 Executed Assignment#page1.tif

source=1391-83403 Executed Assignment#page2.tif

source=1391-83403 Executed Assignment#page3.tif

source=1391-83403 Executed Assignment#page4.tif

source=1391-83403 Executed Assignment#page5.tif

## ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION given to us by **HALLIBURTON ENERGY SERVICES, INC.**, and other valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we, **ADAN HERNANDEZ HERRERA, JAMES H. DUDLEY, MICHAEL DEWAYNE FINKE, and CHRISTOPHER ALLEN GOLLA**, ("ASSIGNORS"), having made an invention in "**A DRILL STRING TUBULAR WITH A DETECTION SYSTEM MOUNTED THEREIN**," while in the employ either as an employee or consultant of **HALLIBURTON ENERGY SERVICES, INC.**, a corporation organized and existing under the laws of the State of Texas, doing business at 10200 Bellaire Boulevard, Houston, Texas 77072 (sometimes hereinafter called "ASSIGNEE"), do hereby ASSIGN, SELL and CONVEY to said **HALLIBURTON ENERGY SERVICES, INC.** its successors and assigns, the entire right, title and interest throughout the world in and to:

1. Said invention in "**A DRILL STRING TUBULAR WITH A DETECTION SYSTEM MOUNTED THEREIN**;"
2. United States of America provisional patent application on said invention, filed as U.S. Patent Application No. 61/152,015 filed February 12, 2009 (Attorney's File No. 1391-83400), entitled "**A DRILL STRING TUBULAR WITH A DETECTION SYSTEM MOUNTED THEREIN**;"
3. Patent Cooperation Treaty international application on said invention, filed as PCT Application No. PCT/US2010/023875 on February 11, 2010, (Attorney's File No. 1391-83401) entitled "**A DRILL STRING TUBULAR WITH A DETECTION SYSTEM MOUNTED THEREIN**;"
4. United States of America patent application on said invention, filed as U.S. Patent Application No. 13/201,343 filed August 12, 2011 (Attorney's File No. 1391-83403), entitled "**ANTI-EXTRUSION SEAL FOR HIGH TEMPERATURE APPLICATIONS**;"
5. All applications for patent or like protection on said invention that have now been or may in the future be made by us or our legal representatives, including any continuation, continuation-in-part and any other utility applications that may be based on this invention, whether in the United States of America or any other place anywhere in the world;
6. All patents and like protection that have now been or may in the future be granted on said invention to us or our legal representatives, whether in the United States of America or in any other country or place anywhere in the world;
7. All substitutions for and divisions, continuations, continuations-in-part, renewals, reissues, extensions, and the like of said applications and patents and like grants, including without limitation, those obtained or permissible under past, present and future laws and statutes;

8. All rights of action on account of past, present and future unauthorized use of said invention and for infringement of said patents and like protection;
9. The right in ASSIGNEE to file in its name applications for patents and like protection for said invention in any country or countries foreign to the United States; and
10. All international rights of priority associated with said invention, applications, patents and like protection;

and we covenant that we, and our heirs, legal representatives, assigns, administrators, and executors, will, at the expense of ASSIGNEE, its successors and assigns, execute all papers and perform such other acts as may be reasonably necessary to give ASSIGNEE, its successors and assigns, the full benefit of this Assignment.

\*\*\*\*\*

EXECUTED on the date indicated below, opposite my signature.

Signature:

  
Adan Hernandez Herrera

Date: 21 OCT 2011

Witnessed by:

  
Signature

Date: 21 OCT 2011

ALBERTO QUINTERO  
Printed Name of Witness

\*\*\*\*\*

EXECUTED on the date indicated below, opposite my signature.

Date: Aug. 10, 2011

ASSIGNOR

James H. Dudley  
James H. Dudley

THE STATE Texas §

COUNTY OF Harris §

BEFORE ME, the undersigned authority, on this day personally appeared **James H. Dudley**, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

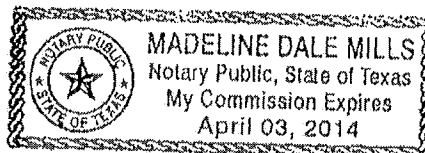
GIVEN UNDER MY HAND AND SEAL OF OFFICE, this the 10<sup>th</sup> day of August, 2011.

[SEAL]

My Commission Expires:

04-03-2014

Madeline Dale Mills  
Notary Public in and for  
the State of Texas



\*\*\*\*\*

EXECUTED on the date indicated below, opposite my signature.

Date: SEPTEMBER 6, 2011

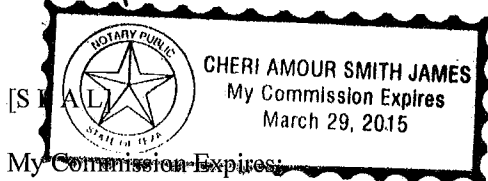
ASSIGNOR

  
Michael Dewayne Finke

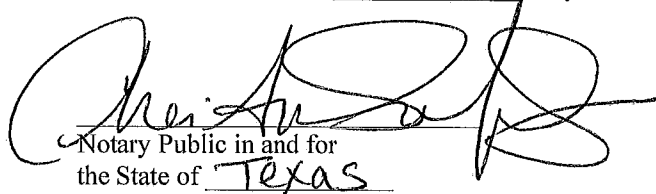
THE STATE TEXAS §  
COUNTY OF HARRIS §

BEFORE ME, the undersigned authority, on this day personally appeared **Michael Dewayne Finke**, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this the 6th day of September, 2011.



March 29, 2015

  
Notary Public in and for  
the State of Texas

\*\*\*\*\*

EXECUTED on the date indicated below, opposite my signature.

Date: Nov. 14<sup>th</sup>, 2011

ASSIGNOR

Christopher Allen Golla  
Christopher Allen Golla

THE STATE Tx §  
COUNTY OF Harris §

BEFORE ME, the undersigned authority, on this day personally appeared **Christopher Allen Golla**, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this the 14<sup>th</sup> day of November, 2011.

[SEAL]

My Commission Expires:

April 03, 2014

Madeline Dale Mills

Notary Public in and for  
the State of Texas

