

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>Maxime P. COFFIN</td> <td>10/19/2011</td> </tr> <tr> <td>Patrick P. BOURGNEUF</td> <td>10/18/2011</td> </tr> <tr> <td>Andrew D. PENNO</td> <td>10/18/2011</td> </tr> </tbody> </table> | | Name | Execution Date | Maxime P. COFFIN | 10/19/2011 | Patrick P. BOURGNEUF | 10/18/2011 | Andrew D. PENNO | 10/18/2011 | | |
| Name | Execution Date | | | | | | | | | | |
| Maxime P. COFFIN | 10/19/2011 | | | | | | | | | | |
| Patrick P. BOURGNEUF | 10/18/2011 | | | | | | | | | | |
| Andrew D. PENNO | 10/18/2011 | | | | | | | | | | |
| 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: 1 | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13483413</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 13483413 | | | | | | |
| Property Type | Number | | | | | | | | | | |
| Application Number: | 13483413 | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | |
| <p>Fax Number: (972)432-7673 Phone: 972-773-9947 Email: law@sheri-higginslaw.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: Sheri Higgins Address Line 1: 4224 University Blvd Address Line 4: Dallas, TEXAS 75205</p> | | | | | | | | | | | |
| NAME OF SUBMITTER: | Sheri Higgins | | | | | | | | | | |
| Total Attachments: 5 source=ASSIGNMENT#page1.tif source=ASSIGNMENT#page2.tif source=ASSIGNMENT#page3.tif source=ASSIGNMENT#page4.tif source=ASSIGNMENT#page5.tif | | | | | | | | | | | |

OP \$40.00 13483413

ASSIGNMENT

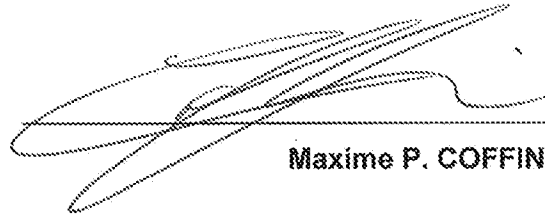
In consideration of one dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I (we) the undersigned, **Maxime P. COFFIN, Patrick P. BOURGNEUF, and Andrew D. PENNO**, having made an invention in "**METHODS OF PREVENTING PREMATURE FRACTURING OF A SUBTERRANEAN FORMATION USING A SHEATH**" while in the employ of HALLIBURTON ENERGY SERVICES, INC., a corporation organized and existing under the laws of the State of Delaware, doing business at 10200 Bellaire Boulevard, Houston, Texas 77072, (sometimes hereinafter called "ASSIGNEE"), do hereby ASSIGN, SELL and CONVEY to said ASSIGNEE, its successors and assigns, the entire right, title and interest throughout the world in and to:

1. Said invention in "**METHODS OF PREVENTING PREMATURE FRACTURING OF A SUBTERRANEAN FORMATION USING A SHEATH**";
2. Patent Cooperation Treaty patent application on said invention, Attorney File No. **11-044844**, executed by me, entitled "**METHODS OF PREVENTING PREMATURE FRACTURING OF A SUBTERRANEAN FORMATION USING A SHEATH**";
3. 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, whether in the United States of America or any other place anywhere in the world;
4. 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;
5. 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 limitations, those obtained or permissible

under past, present and future law and statutes;

6. All rights of action on account of past, present and future unauthorized use of said invention for infringement of said patents and like protection;
7. The right to 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
8. All international rights of priority associated with said invention, applications, patents and like protection; and we covenant that we, 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.

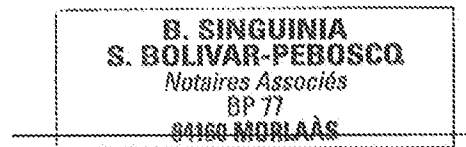
EXECUTED at MORLAAS City, France, on the 19th day of
October, 2011.


Maxime P. COFFIN

CITY OF MORLAAS §

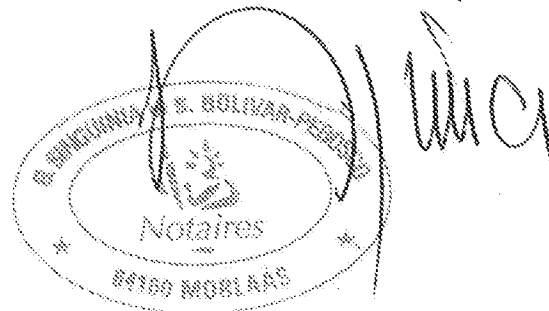
BEFORE ME, the undersigned authority, on this day personally appeared
Maxime P. COFFIN known to me to be the person whose name is subscribed to the
foregoing instrument, and acknowledged to me that he executed the same for the
purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this the 19th day of
October, 2011.

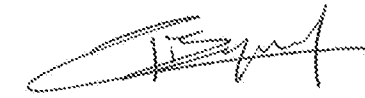


Notary Public

My Commission Expires:



EXECUTED at MORLAAS City, France, on the 18th day of
october, 2011.

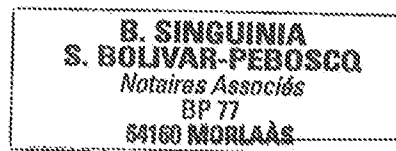


Patrick P. BOURGNEUF


CITY OF MORLAAS §

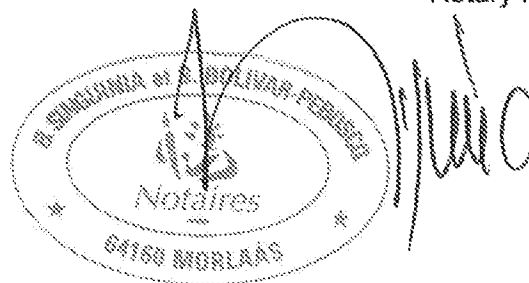
BEFORE ME, the undersigned authority, on this day personally appeared **Patrick P. BOURGNEUF** known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this the 18th day of
october, 2011.

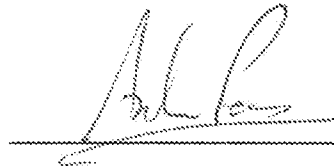


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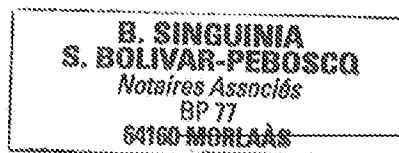


Andrew D. PENNO

CITY OF MORLAAS §

BEFORE ME, the undersigned authority, on this day personally appeared **Andrew D. PENNO** 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 18th day of
October, 2011.



Notary Public

My Commission Expires:

