

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>Paul F. Rodney</td> <td>03/09/2012</td> </tr> <tr> <td>Michael Fripp</td> <td>03/21/2012</td> </tr> </tbody> </table> | | Name | Execution Date | Paul F. Rodney | 03/09/2012 | Michael Fripp | 03/21/2012 | | | | |
| Name | Execution Date | | | | | | | | | | |
| Paul F. Rodney | 03/09/2012 | | | | | | | | | | |
| Michael Fripp | 03/21/2012 | | | | | | | | | | |
| 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>14001548</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 14001548 | | | | | | |
| Property Type | Number | | | | | | | | | | |
| Application Number: | 14001548 | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | |
| <p>Fax Number: 7132292880 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 713-229-1580 Email: susan.stewart@bakerbotts.com Correspondent Name: Baker Botts LLP, IP Department Address Line 1: 910 Louisiana Street Address Line 2: One Shell Plaza Address Line 4: Houston, TEXAS 77002</p> | | | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | 063718.2398 | | | | | | | | | | |
| NAME OF SUBMITTER: | Susan Stewart | | | | | | | | | | |
| Signature: | /Susan Stewart/ | | | | | | | | | | |
| Date: | 08/26/2013 | | | | | | | | | | |

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Total Attachments: 4

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PATENT

REEL: 031080 FRAME: 0115

ASSIGNMENT

Whereas, I/We, Paul F. Rodney of Harris County, Spring, Texas and Michael Fripp of Denton County, Carrollton, Texas have invented "***SYSTEMS AND METHODS TO HARVEST FLUID ENERGY IN A WELLBORE USING PRELOADED MAGNETOSTRICTIVE ELEMENTS***" for which I/We have made application for Letters Patent of the Provisional Application Serial No. 61/451,253 filed March 10, 2011 and any Letters Patent that may issue thereon; and in and to the International Bureau and which has been disclosed in the application for Patent Cooperation Treaty, Application Serial No. PCT/US2012/27891, filed March 6, 2012 and any Letters Patent that may issue thereon 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, I/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, title and interest for the Patent Cooperation Treaty, and its territorial possessions and for any and all foreign countries, in and to said invention, in and to any and all improvements, and any divisional, continuing or reissue application based on the present application preparatory to obtaining Letters Patent of the International Application 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 me and had this assignment and sale not been made.

And I 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 I 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 me, and to testify as to such facts in any interference or other litigation.

Executed this 9th day of March, 2012.

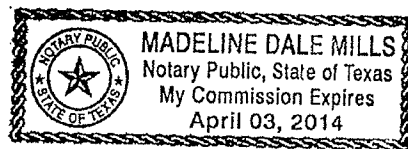
Paul F. Rodney
Paul F. Rodney

STATE OF TEXAS)
) ss
COUNTY OF HARRIS)


Before me personally appeared said Paul F. Rodney and acknowledged the foregoing instrument to be his free act and deed this 9th day of March, 2012.

Seal

Madeline Dale Mills
(Notary)



Executed this 21 day of March, 2012.

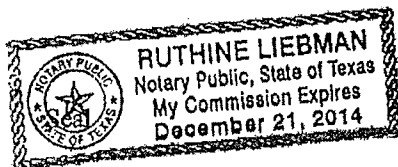

Michael Fripp

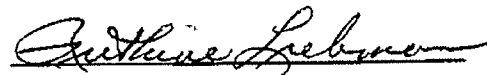
STATE OF TEXAS)

) ss

COUNTY OF ^{DALLAS} ~~DENTON~~)

Before me personally appeared said Michael Fripp and acknowledged the foregoing instrument to be his free act and deed this 21st day of March, 2012.





(Notary)