

**PATENT ASSIGNMENT**

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Thomas J. FROSELL	05/01/2013
Mark D. MACEK	04/30/2013
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Halliburton Energy Services, Inc.
<b>Street Address:</b>	10200 Bellaire Boulevard
<b>City:</b>	Houston
<b>State/Country:</b>	TEXAS
<b>Postal Code:</b>	77072
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>PCT Number:</b>	US1338228
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	9724327673
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
<b>Phone:</b>	972-773-9947
<b>Email:</b>	law@sheri-higgins-law.com
<b>Correspondent Name:</b>	Sheri Higgins
<b>Address Line 1:</b>	4106 University Blvd
<b>Address Line 4:</b>	Dallas, TEXAS 75205
<b>ATTORNEY DOCKET NUMBER:</b>	HAL 165PCT
<b>NAME OF SUBMITTER:</b>	Sheri Higgins
<b>Signature:</b>	/Sheri Higgins/
<b>Date:</b>	06/07/2013

OP \$40.00 US1338228

Total Attachments: 4

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**ASSIGNMENT**

This Assignment is made between Thomas J. FROSELL and Mark D. MACEK ("Assignor") and HALLIBURTON ENERGY SERVICES, INC., a Delaware Corporation, having a place of business at 10200 Bellaire Boulevard, Houston, Texas 77072 ("Assignee").

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor does hereby SELL, ASSIGN, TRANSFER, AND CONVEY unto Assignee, its successors and assigns, all of Assignor's right, title, and interest in and to;

1. Said invention in "**METHODS FOR AUTONOMOUSLY ACTIVATING A SHIFTING TOOL**".
2. Patent Cooperation Treaty patent application on said invention, Attorney File No. **12-062123U1**, executed by me, entitled "**METHODS FOR AUTONOMOUSLY ACTIVATING A SHIFTING TOOL**".
3. All applications for patent or like protection on said invention that have now been or may in the future be made by Assignee or Assignee's 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 Assignee or Assignee's 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 Assignee's 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 Assignor covenants that Assignor, 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 Dallas County, Texas, on the 1st day of May, 2013.

[Signature]  
Thomas J. FROSELL

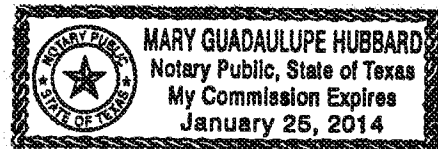
COUNTY OF Dallas §  
STATE OF Texas §

BEFORE ME, the undersigned authority, on this day personally appeared **Thomas J. FROSELL** 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 1st day of May, 2013.

[Signature]  
Notary Public

My Commission Expires:  
1-25-2014



EXECUTED at Dallas County, Texas, on the 30<sup>th</sup> day of April, 2013.

Mark Macek  
Mark D. MACEK

COUNTY OF Dallas §  
STATE OF Texas §

BEFORE ME, the undersigned authority, on this day personally appeared Mark D. MACEK 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 30<sup>th</sup> day of April, 2013.

Mary Guadalupe Hubbard  
Notary Public

My Commission Expires:  
1-25-2014

