

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3916541

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
LOAN K. VO	02/03/2014
PHILIP D. NGUYEN	02/03/2014
BRADLEY J. SPARKS	02/03/2014
<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>Application Number:</b>	15104192
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(214)932-6499
<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>	
<b>Phone:</b>	214-932-6400
<b>Email:</b>	sshernandez@mcguirewoods.com
<b>Correspondent Name:</b>	ROBERT C. HILTON
<b>Address Line 1:</b>	1750 TYSONS BLVD, SUITE 1400
<b>Address Line 2:</b>	MCGUIREWOODS LLP
<b>Address Line 4:</b>	TYSONS CORNER, VIRGINIA 22102
<b>ATTORNEY DOCKET NUMBER:</b>	2069464-0198PTUS
<b>NAME OF SUBMITTER:</b>	ROBERT C. HILTON
<b>SIGNATURE:</b>	/Robert C. Hilton/
<b>DATE SIGNED:</b>	06/14/2016
<b>Total Attachments: 5</b>	
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ASSIGNMENT

This Assignment is made between **Loan K. VO, Philip D. NGUYEN** and **Bradley J. SPARKS** ("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 "**MULTI-FUNCTIONAL ADDITIVE FOR OIL OR GAS OPERATIONS**".
2. Patent Cooperation Treaty patent application on said invention, **Attorney File No. 13-079974U1**, executed by me, entitled "**MULTI-FUNCTIONAL ADDITIVE FOR OIL OR GAS OPERATIONS**".
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 Harris County, Texas, on the 3 day of Feb, 2014.

[Signature]  
Loan K. VO

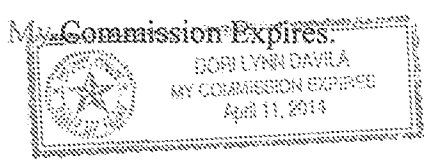
COUNTY OF Harris §  
STATE OF TEXAS §

BEFORE ME, the undersigned authority, on this day personally appeared Loan K. VO 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.

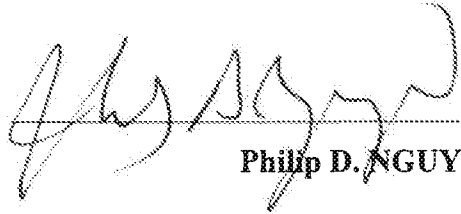
GIVEN UNDER MY HAND AND SEAL OF OFFICE, this the 3 day of Feb, 2014.

[Faint Signature]

[Signature]  
Notary Public



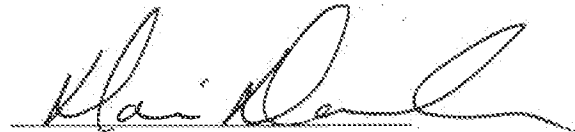
EXECUTED at Harris County, Texas, on the 3<sup>rd</sup> day of February, 2014.

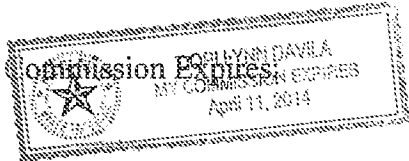
  
Philip D. NGUYEN

COUNTY OF Harris §  
STATE OF Texas §


BEFORE ME, the undersigned authority, on this day personally appeared **Philip D. NGUYEN** 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 3 day of Feb, 2014,

  
Notary Public

My  Commission Expires

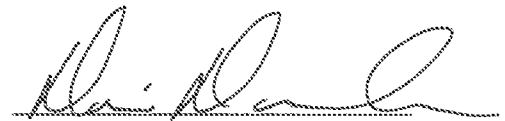
EXECUTED at Harris County, Texas, on the 3 day of Feb, 2014.

  
Bradley J. SPARKS

COUNTY OF HARRIS §  
STATE OF TEXAS §

BEFORE ME, the undersigned authority, on this day personally appeared Bradley J. SPARKS 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 3 day of Feb, 2014.

  
Notary Public

