

## PATENT ASSIGNMENT COVER SHEET

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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>
PAUL GREGORY JAMES	04/07/2017
IBRAHIM EL MALLAWANY	04/07/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	HALLIBURTON ENERGY SERVICES, INC.
<b>Street Address:</b>	3000 N. SAM HOUSTON PARKWAY E.
<b>City:</b>	HOUSTON
<b>State/Country:</b>	TEXAS
<b>Postal Code:</b>	77032-3219
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15773921
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(713)622-0220
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<b>ATTORNEY DOCKET NUMBER:</b>	1560-028301
<b>NAME OF SUBMITTER:</b>	ERIC M. ADAMS
<b>SIGNATURE:</b>	/Eric M. Adams/
<b>DATE SIGNED:</b>	05/07/2018
<b>Total Attachments: 3</b>	
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### ASSIGNMENT

Whereas, We, **Paul Gregory James of Spring, Texas and Ibrahim El Mallawany of Spring, Texas ("ASSIGNORS")**, have invented **MULTI STAGE CHEMICAL INJECTION**, and

Whereas, **Halliburton Energy Services, Inc.**, a Delaware Corporation having a place of business at 3000 N. Sam Houston Parkway E., Houston, Texas 77032-3219, United States of America (sometimes hereinafter called "ASSIGNEE"), is desirous of acquiring an interest therein,

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, We 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 **MULTI STAGE CHEMICAL INJECTION**,
2. Patent Cooperation Treaty international application on said invention, Application No. PCT/US2017/038503, filed June 21, 2017, entitled **MULTI STAGE CHEMICAL INJECTION**, Halliburton Reference No. 2016-IPM-100869U1 PCT (The undersigned hereby grant(s) the firm of Tumey L.L.P. of 7500 San Felipe, Suite 440, Houston, Texas 77063 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document);
3. All applications for patent or like protection on said invention that have now been or may in the future be made by me or my 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 in any other country or 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 me or my 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 limitation, those obtained or permissible under past, present and future laws and statutes;
6. 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;

7. 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

8. 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.

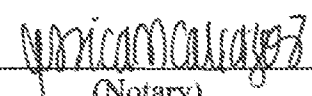
Executed this 07 day of APRIL, 2017

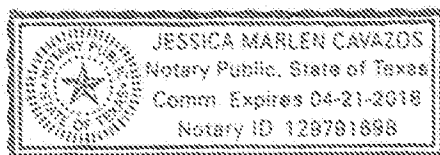
  
Paul Gregory James

STATE OF Texas )  
 ) ss  
COUNTY OF Montgomery


Before me personally appeared said Paul Gregory James and acknowledged the foregoing instrument to be his free act and deed this 7th day of April, 2017.

Seal

  
(Notary)



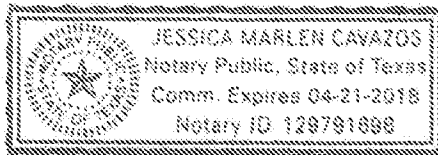
Executed this 07 day of April, 2017

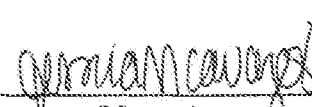
  
\_\_\_\_\_  
Ibrahim El Mallawany

STATE OF Texas )  
                                  ) ss  
COUNTY OF Montgomery )

Before me personally appeared said Ibrahim El Mallawany and acknowledged the foregoing instrument to be his free act and deed this 7th day of April, 2017.

Seal



  
\_\_\_\_\_  
(Notary)