

## PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT5576084

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
IBRAHIM EL MALLAWANY	05/26/2019
MICHAEL LINLEY FRIPP	05/23/2019
STEPHEN MICHAEL GRECI	05/24/2019
HADI ARABNEJAD KHANOUKI	05/23/2019
<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: 2</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16440558
<b>PCT Number:</b>	US2019037119
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	2819624503
<b>Email:</b>	rflynt@ctumeylawgroup.com
<b>Correspondent Name:</b>	C. TUMEY LAW
<b>Address Line 1:</b>	P.O BOX 890226
<b>Address Line 4:</b>	HOUSTON, TEXAS 77062-9998
<b>ATTORNEY DOCKET NUMBER:</b>	1560-059301 & 059303
<b>NAME OF SUBMITTER:</b>	JOHN ROSS FLYNT
<b>SIGNATURE:</b>	/rflynt/
<b>DATE SIGNED:</b>	06/17/2019
<b>Total Attachments: 5</b>	
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ASSIGNMENT

Whereas, We, **Ibrahim El Mallawany of Spring, Texas**, and **Michael Linley Fripp of Carrollton, Texas**, and **Stephen Michael Greci of Little Elm, Texas**, and **Hadi Arabnejad Khanouki of Dallas, Texas**, ("ASSIGNORS"), have invented **SHUTTLE VALVE FOR AUTONOMOUS FLUID FLOW DEVICE**, 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 **SHUTTLE VALVE FOR AUTONOMOUS FLUID FLOW DEVICE**,
2. United States Provisional application on said invention, Application No. 62/721,829, filed August 23, 2018, entitled **SHUTTLE VALVE FOR AUTONOMOUS FLUID FLOW DEVICE**, Halliburton Reference No. 2018-IPM-102467V1 US.
3. Patent Cooperation Treaty international application on said invention, Application No. PCT/US2019/037119, filed June 13, 2019, entitled **SHUTTLE VALVE FOR AUTONOMOUS FLUID FLOW DEVICE**, Halliburton Reference No. 2018-IPM-102467U1 PCT; (The undersigned hereby grant(s) the firm of C. Tumey Law Group, PLLC. of 1150 Clear Lake City Blvd., Suite 201, Houston, Texas 77062 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);
4. 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;
5. 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;

6. 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;

7. 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;

8. 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

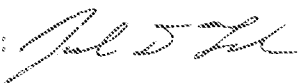
8. All international rights of priority associated with said invention, applications, patents and like protection and we covenant that we, and our heirs, legal representatives, assigns, administrators, and executors, will, at the expense of ASSIGNEE, its successors and assigns, execute all papers and perform such other acts as may be reasonably necessary to give ASSIGNEE, its successors and assigns, the full benefit of this Assignment.

Executed this 26 day of May, 2019




Ibrahim El Mallawany

Witness 1 name: Jacob Ford

Witness 1 signature: 

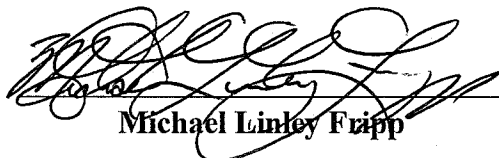
Date: May 26<sup>th</sup>, 2019

Witness 2 name: TERRELL FREDRICK

Witness 2 signature: 

Date: May 26, 2019

Executed this 23 day of May, 2019

  
Michael Linley Fripp

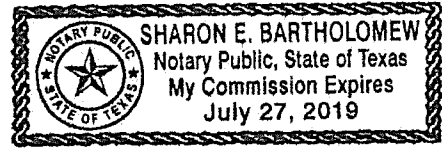
STATE OF Texas )  
                                                                  ) ss  
COUNTY OF Dallas )

Before me personally appeared said **Michael Linley Fripp** and acknowledged the foregoing instrument to be his free act and deed this 23 day of May, 2019.



Seal

  
(Notary)



Executed this \_\_\_\_\_ day of \_\_\_\_\_, 2019

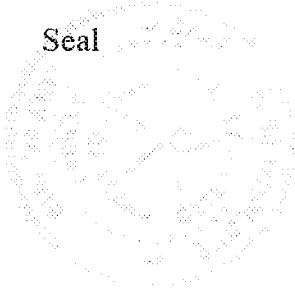
\_\_\_\_\_  
**Stephen Michael Greci**

STATE OF \_\_\_\_\_ )  
                                                                  ) ss

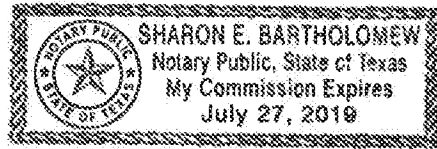
COUNTY OF DALLAS )

Before me personally appeared said **Stephen Michael Greci** and acknowledged the foregoing instrument to be his free act and deed this 24 day of May, 2019.

Seal



Sharon E. Bartholomew  
(Notary)



Executed this \_\_\_\_\_ day of \_\_\_\_\_, 2019

\_\_\_\_\_  
**Hadi Arabnejad Khanouki**

STATE OF )  
) ss  
COUNTY OF )

Before me personally appeared said **Hadi Arabnejad Khanouki** and acknowledged the foregoing instrument to be his free act and deed this \_\_\_ day of \_\_\_\_\_, 2019.

Seal

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

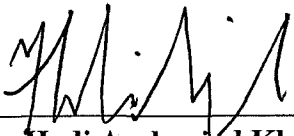
COUNTY OF \_\_\_\_\_ )

Before me personally appeared said **Stephen Michael Greci** and acknowledged the foregoing instrument to be his free act and deed this \_\_\_ day of \_\_\_\_\_, 2019.

Seal

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


Executed this 23 day of May, 2019

  
\_\_\_\_\_  
**Hadi Arabnejad Khanouki**

STATE OF Texas )  
                                          ) ss  
COUNTY OF Dallas )

Before me personally appeared said **Hadi Arabnejad Khanouki** and acknowledged the foregoing instrument to be his free act and deed this 23 day of May, 2019.

Seal

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

