505076150 09/04/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

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EPAS ID: PAT5122907

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
STEPHEN MICHAEL GRECI	03/09/2017
THOMAS JULES FROSELL	03/08/2017
MICHAEL LINLEY FRIPP	05/26/2017
GARY JOHN GEOFFROY	03/08/2017

RECEIVING PARTY DATA

Name:	HALLIBURTON ENERGY SERVICES, INC.	
Street Address:	3000 N. SAM HOUSTON PARKWAY E.	
City:	HOUSTON	
State/Country:	TEXAS	
Postal Code:	77032-3219	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15759410

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	061429-1070582	
NAME OF SUBMITTER:	MARGARET HORTON	
SIGNATURE:	/MHORTON/	
DATE SIGNED:	09/04/2018	

Total Attachments: 5

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ASSIGNMENT OF INTELLECTUAL PROPERTY RIGHTS IN PATENT APPLICATION

Whereas we, the undersigned inventors, have invented certain new and useful innovations as set forth in the patent application entitled:

TUBING ASSEMBLY FOR HYDRAULIC SHIFTING OF SLEEVE WITHOUT TOOL MOVEMENT

the specification of which was filed with the U.S. Receiving Office of the PCT on March 08, 2017, and assigned application no. PCT/US2017/021317.

For one dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which we acknowledge, we:

- Agree to assign, transfer, convey, and sell, hereby assign, transfer, convey, and sell
 and have assigned, transferred, conveyed, and sold to Halliburton Energy Services,
 Inc., a corporation of the State of Texas having a principal place of business at 3000
 N. Sam Houston Parkway E., Houston, Texas 77032-3219 ("Assignee"), the entire
 right, title, and interest in and to:
 - (a) all intellectual property (including, without limitation, any innovation, information, invention, discovery, product, process, work or design) disclosed, embodied, shown, or claimed in the above-referenced patent application, implicitly or explicitly;
 - (b) the above-referenced patent application, the right to claim priority to the above-referenced patent application, all applications based in whole or in part upon the above-referenced patent application, including, without limitation, all applications that are a provisional, non-provisional, design, divisional, continuation, continuation-in-part, registration, utility model, industrial design, reissue, renewal, substitute, extension, reexamination, post-grant review, inter partes review, supplemental examination or non-U.S. patent application or application for other rights based in whole or in part on the above-referenced patent application;
 - (c) all patents (including, without limitation, all U.S. and non-U.S. patents, registrations, utility models, industrial designs, design patents, counterparts, continuations, continuations-in-part, divisionals, reissues, renewals, substitutes, extensions, reexaminations, post-grant reviews, inter partes reviews and supplemental examinations) that are granted or issued upon, or that claim priority to, any and all applications described in (b) of this paragraph or that disclose or claim intellectual property described in (a) of this paragraph, in whole or in part; and

Assignment of Intellectual Property Rights in Application

Patent Application Entitled: Tubing Assembly For Hydraulic Shifting of Sleeve Without Tool Movement

Attorney Docket: 061429-1035916

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- (d) all claims for damages by reason of past infringement of any rights under the applications or patents described in (a), (b) or (c) of this paragraph (including provisional rights to reasonable royalties pursuant to 35 U.S.C. §154(d)) and the right to sue for and collect such damages and royalties for Assignce's own use.
- 2. Authorize and request the U.S. Patent and Trademark Office or any other U.S. or non-U.S. agency to issue to the Assignee any and all patent(s), or other rights or documents, resulting from the intellectual property, patent application(s) and patents described in paragraph 1 of this Assignment.
- 3. Agree to sign all papers and documents, including without limitation, applications, declarations, oaths and petitions, and, at the Assignee's expense, perform any other acts that are necessary in connection with prosecution of patent application(s) or intellectual property described in paragraph 1 of this Assignment and the enforcement of patent(s) or other rights resulting from such patent application(s) or intellectual property.
- 4. Agree that the terms, covenants, and conditions of this Assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon us, as well as our heirs, legal representatives, and assigns.
- Promise and affirm that we have not entered, and will not enter, into any assignment, contract, or understanding that conflicts with this Assignment.

Dated: 3/9/19 2	
vacea	Stephen Michael Greci
STATE OF	# # # # # # # # # # # # # # # # # # #
COUNTY OF DALLAS	
	for the State of <u>Texas</u> , on this <u>9</u> 74 day eared Stephen Michael Greci , who being duly sworn ssignment as his free act and deed. Shavan E. Battabana
(Seal)	NOTARY PUBLIC
	My Commission Expires: 7/27/30/9 SHARON E. BARTHOLOMEW 8 Notery Public, State of Texas My Commission Expires

July 27, 2019

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Attorney Docket: 061429-1035916
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Dated: 3817

Thomas Jules Frosell

STATE OF | exas |
COUNTY OF | Lollar |
Before me, a Notary Public in and for the State of | evas | on this | & day of | or ch | 2017, personally appeared Thomas Jules Frosell, who being duly sworn, signed and acknowledged the foregoing Assignment as his free act and deed.

JANE CLARK
Notary Public, State of Texas
My Commission Expires
November 03, 2018

Assignment of Intellectual Property Rights in Application

NOTARY PUBLIC
My Commission Expires:

Assignment of Intellectual Property Rights in Application
Patent Application Entitled: Tubing Assembly For Hydraulic Shifting of Sleeve Without Tool Movement

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Dated: 5-24-17

Michael Linley/Fripp

COUNTY OF DALLAS

(Seal)

NOTARY PUBLIC My Commission Expires:



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STATE OF

COUNTY OF

Before me, a Notary Public in and for the State of of 10 000, 2017, personally appeared Gary John Geoffroy, who being duly sworn, signed and acknowledged the foregoing Assignment as his free act and deed.

(Seal)

JANE CLARK Notary Public, State of Texas My Commission Expires November 03, 2018

My Commission Expires:

PATENT REEL: 046777 FRAME: 0685

RECORDED: 09/04/2018