## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3647487

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
ALAN CHARLES JOHN TURNER	02/11/2015
RICHARD IAN GILLINGS	02/11/2015
GEORGE STEWART COOPER	02/11/2015
IAIN JAMES SHEPHERD	02/17/2015

### **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:	14896709		

### **CORRESPONDENCE DATA**

**Fax Number:** (202)756-8087

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.

**Phone:** 202 756 8000

**Email:** mweipdocket@mwe.com

Correspondent Name: MCDERMOTT WILL & EMERY LLP Address Line 1: THE MCDERMOTT BUILDING

Address Line 2: 500 NORTH CAPITOL STREET, N.W.

Address Line 4: WASHINGTON, D.C. 20001

ATTORNEY DOCKET NUMBER:	098273-0171
NAME OF SUBMITTER:	DEBBIE ALLEN
SIGNATURE:	/Debbie Allen/
DATE SIGNED:	12/08/2015
	This document serves as an Oath/Declaration (37 CFR 1.63).

**Total Attachments: 8** 

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	As the	e below	named i	nventor, I h	ereb	y dec	lare that:		
	This c	declaration is directed to:							
	$\boxtimes$	The att	ached a	application to	o be	filed	as a United	States appli	cation or
		PCT int	ernatior	al applicatio	n, o	r			
		United	States	application	or	PCT	international	application	number
		*****************	file	d on		; an	d,		
entitle	d "RE/	AL-TIME	TRACK	(NG AND MI	ΓIGΑ	TING	OF BENDING	G FATIGUE IN	COILED
TUBIN	G." R	egardin	g that a	oplication, I	decl	are th	ne following:		

- The above-identified application was made, or authorized to be made, by me.
- I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.
- I hereby acknowledge that any willful false statement made in this
  declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of
  not more than five (5) years, or both.

Moreover, Whereas, HALLIBURTON ENERGY SERVICES, INC., a Delaware Corporation, having a place of business at 3000 N. Sam Houston Parkway E., Houston, TX 77032-3219 (hereinafter "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, by these presents do sell, assign and transfer and convey unto Assignee, its successors and assigns, the full and exclusive right, for the United States of America and its territorial possessions and for any and all foreign countries, in and to the said invention, described in the Patent Application identified above, and any national phase, divisional, continuing, continuation-in-part, or reissue application based on the present application preparatory to obtaining Letters Patent of the United States therefore; said invention, application and any and all Letters Patent issuing there from to be held and enjoyed by Assignee, for its own use and benefit, and for its legal representatives, successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me and had this assignment and sale not been made.

1 of 2

DM\_US 58625549-1.095184.0982

And I do further agree to sign all papers, make all rightful oaths and do all requisite acts for the filing of any disclaimer or for the filing and assignment of any divisional, continuing or reissue application or applications for patent based on the present application, as well as for any other U.S. or foreign application for patent which relates to the said invention.

And I do further agree to communicate to Assignee, its successors, assign or other legal representatives, such facts relating to the invention disclosed in the present application or Letters Patent issuing thereon as may be known to me, and to testify as to such facts in any interference or other litigation.

Executed this \_\_//\_\_day of \_\_*FEBRUARY*\_\_\_\_\_, 2015

Before me personally appeared said ALAN CHARLES JOHN TURNER and acknowledged the foregoing instrument to be a free act and deed this 15 day of FEBRUARY, 2015.

Dougly (Forder

2 of 2

	As th	e below named inventor, I hereby declare that:
	This o	declaration is directed to:
	$\boxtimes$	The attached application to be filed as a United States application or
		PCT international application, or
		United States application or PCT international application number
		filed on; and,
entitle	ed "RE	AL-TIME TRACKING AND MITIGATING OF BENDING FATIGUE IN COILED
TUBIN	IG." R	Regarding that application, I declare the following:

- The above-identified application was made, or authorized to be made, by me.
- I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.
- I hereby acknowledge that any willful false statement made in this
  declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of
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1 of 2

DM US 58625564-1.095184.0982

And I do further agree to sign all papers, make all rightful oaths and do all requisite acts for the filing of any disclaimer or for the filing and assignment of any divisional, continuing or reissue application or applications for patent based on the present application, as well as for any other U.S. or foreign application for patent which relates to the said invention.

And I do further agree to communicate to Assignee, its successors, assign or other legal representatives, such facts relating to the invention disclosed in the present application or Letters Patent issuing thereon as may be known to me, and to testify as to such facts in any interference or other litigation.

Executed this 1 day of february, 2015

Before me personally appeared said RICHARD IAN GILLINGS and acknowledged the foregoing instrument to be a free act and deed this  $\dot{M}$  day of FEBRUARY , 2015.

Dowles (R Fording)
(Witness)

2 of 2

DM\_US 58625564-1.095184.0982

As t	As the below named inventor, I hereby declare that:					
This	declaration is directed to:					
$\boxtimes$	The attached application to be filed as a United States application or					
	PCT international application, or					
	United States application or PCT international application number					
	filed on; and,					
entitled "R	EAL-TIME TRACKING AND MITIGATING OF BENDING FATIGUE IN COILED					
TUBING."	Regarding that application, I declare the following:					

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1 of 2

DM\_US 58625605-1.095184.0982

And I do further agree to sign all papers, make all rightful oaths and do all requisite acts for the filing of any disclaimer or for the filing and assignment of any divisional, continuing or reissue application or applications for patent based on the present application, as well as for any other U.S. or foreign application for patent which relates to the said invention.

And I do further agree to communicate to Assignee, its successors, assign or other legal representatives, such facts relating to the invention disclosed in the present application or Letters Patent issuing thereon as may be known to me, and to testify as to such facts in any interference or other litigation.

Executed this \_\_\_\_\_\_\_ day of \_\_FEBRUARY , 2015 \_\_\_\_\_\_ Colored Colored

Before me personally appeared said GEORGE STEWART COOPER and acknowledged the foregoing instrument to be a free act and deed this  $\frac{1}{2}$  day of FERRINALY\_\_\_\_, 2015.

2 of 2

DM\_US 58625605-1.095184.0982

	As the	e below named inventor, I hereby declare that:
	This d	declaration is directed to:
	$\boxtimes$	The attached application to be filed as a United States application o
		PCT international application, or
		United States application or PCT international application numbe
		filed on; and,
entitle	d "RE/	AL-TIME TRACKING AND MITIGATING OF BENDING FATIGUE IN COILE
TUBIN	IG." R	tegarding that application, I declare the following:

- · The above-identified application was made, or authorized to be made, by me.
- I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.
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1 of 2

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And I do further agree to sign all papers, make all rightful oaths and do all requisite acts for the filing of any disclaimer or for the filing and assignment of any divisional, continuing or reissue application or applications for patent based on the present application, as well as for any other U.S. or foreign application for patent which relates to the said invention.

And I do further agree to communicate to Assignee, its successors, assign or other legal representatives, such facts relating to the invention disclosed in the present application or Letters Patent issuing thereon as may be known to me, and to testify as to such facts in any interference or other litigation.

Executed this	/7 TH day of	FEBRUARY	, 2015
		In I	Shephal
	ĪA	IN JAMES SHEPH	ERD

Before me personally appeared said IAIN JAMES SHEPHERD and acknowledged the foregoing instrument to be a free act and deed this  $P^{k}$  day of F

(Witness)

2 of 2

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**RECORDED: 12/08/2015**