505498870 05/29/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5545674

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date	
CLAYTON A. OWNBY	12/16/2014	
GRANT O. COOK III	11/07/2014	
JEFFREY G. THOMAS	11/07/2014	
RONALD EUGENE JOY	09/24/2014	
GARRETT T. OLSEN	10/10/2014	
DANIEL BRENDAN VOGLEWEDE	10/20/2014	

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:	16425493

CORRESPONDENCE DATA

Fax Number:

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: 2819624503

Email: rflynt@ctumeylawgroup.com

Correspondent Name: C. TUMEY LAW
Address Line 1: P.O BOX 890226

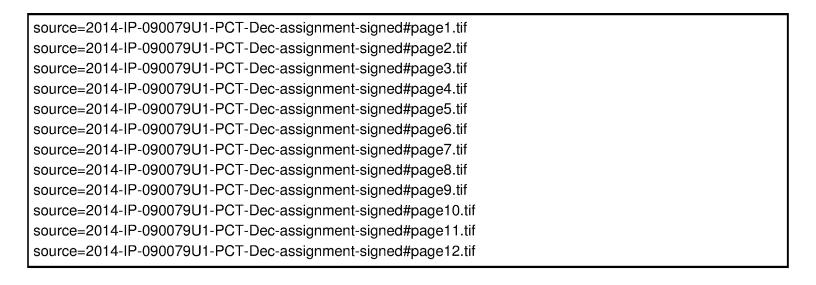
Address Line 4: HOUSTON, TEXAS 77062-9998

ATTORNEY DOCKET NUMBER:	1560-097902
NAME OF SUBMITTER:	JOHN ROSS FLYNT
SIGNATURE:	/rflynt/
DATE SIGNED:	05/29/2019

Total Attachments: 12

PATENT REEL: 049310 FRAME: 0259

505498870



PATENT REEL: 049310 FRAME: 0260

As the b	pelow named inventor, I hereby declare that:
This dec	claration is directed to:
	he attached application to be filed as a United States application or
Р	CT international application, or
	Inited States application or PCT international application number
Quinterior.	filed on; and,
entitled "MOL	D ASSEMBLIES THAT ACTIVELY HEAT INFILTRATED DOWNHOLE
TOOLS." Rega	arding 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 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.

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 _	16 76 d	ay of DECEMBA, 2014 CLAYTON A. OWNBY	torio and
STATE OF)		
COUNTY OF)		

Before me personally appeared said CLAYTON A. OWNBY and acknowledged the foregoing instrument to be a free act and deed this \6 day of \cong 2014.



(Notary)

As the below named inventor, I hereby declare that:
This declaration is directed to:
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 "MOLD ASSEMBLIES THAT ACTIVELY HEAT INFILTRATED DOWNHOLE
TOOLS." 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 not more than five (5) years, or both.

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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 1th day of November , 2014

CRANT O COOK III

STATE OF TEXAS)
COUNTY OF MUNICIPAL)

Before me personally appeared said GRANT O. COOK III and acknowledged the foregoing instrument to be a free act and deed this 2 hday of November , 2014.



As t	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 "	MOLD ASSEMBLIES THAT ACTIVELY HEAT INFILTRATED DOWNHOLE
TOOLS "	Regarding that application. I declare the following:

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- I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.
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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 1th day of November , 2014

STATE OF TEXAS)
COUNTY OF MONTGOMENY)

Before me personally appeared said JEFFREY G. THOMAS and acknowledged the foregoing instrument to be a free act and deed this $\frac{\eta m}{\hbar}$ day of $\frac{November}{\hbar}$, 2014.



As the below named inventor, I hereby declare that:
This declaration is directed to:
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 "MOLD ASSEMBLIES THAT ACTIVELY HEAT INFILTRATED DOWNHOLE
TOOLS." 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 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.

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 _	24	_day of	Sec	tenser	, 2014	
		Hele a				
		RO	DNALD E	UĞENE JOY		
STATE OF)				
COUNTY OF)				

Before me personally appeared said RONALD EUGENE JOY and acknowledged the foregoing instrument to be a free act and deed this day of September, 2014.

(Notary)

As the below named inventor, I hereby	declare that:
This declaration is directed to:	
☐ 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 "MOLD ASSEMBLIES THAT ACTIV	ELY HEAT INFILTRATED DOWNHOLE
TOOLS." Regarding that application, I declar	e 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 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.

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	Mul	_day of	D CTOBER	, 2014
			Settle	
			GARRETT T. OLSEN	
STATE OF)		
COUNTY OF)		

Before me personally appeared said GARRETT T. OLSEN and acknowledged the foregoing instrument to be a free act and deed this of day of October , 2014.

(Notary)

As	As the below named inventor, I hereby declare that:					
Thi	s 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 "	MOLD ASSEMBLIES THAT ACTIVELY HEAT INFILTRATED DOWNHOLE					
TOOLS."	Regarding that application, I declare the following:					

- The above-identified application was made, or authorized to be made, by me.
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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;

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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 20th day of October

STATE OF TEXAS

COUNTY OF montgomery

Before me personally appeared said DANIEL BRENDAN VOGLEWEDE and acknowledged the foregoing instrument to be a free act and deed this $20^{\rm th}$ day of October , 2014.

