503554588 11/04/2015 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3601215

SUBMISSION TYPE:		NEW ASSIGNMENT			
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT		
CONVEYING PARTY D	ΑΤΑ				
		Name	Execution Date		
SANJA NATALI			12/31/2014		
ZHIJIE SUN			01/22/2015		
JASON D. DYKSTRA			12/18/2014		
YUZHEN XUE			12/18/2014		
RECEIVING PARTY DA	ТА				
Name:	HALLIBU	RTON ENERGY SERVICES, INC.			
Street Address:	3000 N. S	AM HOUSTON PARKWAY E.			
City:	HOUSTO	N			
State/Country:	TEXAS				
Postal Code:	77032-32	19			
Property Type Number					
Application Number:	14	889039]		
	ΔΤΔ				
CORRESPONDENCE DATA Fax Number: (202)756-8087					
	•	he e-mail address first; if that is un	successful, it will be sent		
using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.			nt via US Mail.		
Phone:	202 756 8000				
Email:	mweipdocket@mwe.com				
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Address Line 2: Address Line 4:	500 NORTH CAPITOL STREET, N.W. WASHINGTON, D.C. 20001				
	¥ ¥ .				
		000070 0000			
ATTORNEY DOCKET NU	JMBER:	098273-0020			
	JMBER:	DEBBIE ALLEN			
NAME OF SUBMITTER:	JMBER:				
NAME OF SUBMITTER:	JMBER:	DEBBIE ALLEN			
NAME OF SUBMITTER: SIGNATURE:	JMBER:	DEBBIE ALLEN /Debbie Allen/	/Declaration (37 CFR 1.63).		
ATTORNEY DOCKET NU NAME OF SUBMITTER: SIGNATURE:	JMBER:	DEBBIE ALLEN /Debbie Allen/			

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DECLARATION AND ASSIGNMENT

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

entitled "AUTOMATIC DOSING OF SURFACTANT FOR RECOVERED HYDROCARBON ENHANCEMENT." 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.

DM_US 57306574-1.095184.0586

1 of 2

PATENT REEL: 036959 FRAME: 0816 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 <u>31st</u> day of <u>December</u>, 2014 STATE OF TERAS COUNTY OF Harris

Before me personally appeared said SANJA NATALI and acknowledged the foregoing instrument to be a free act and deed this 21^{st} day of December, 2014.

Seal

Kalilise Dale Hulls (Notary)

8	(Seat and	MADELINE DALE MILLS
	(* <u> </u>	Notary Public, State of Texas
ļ	121/3	/ My Commission Expires
Ś	Nº 05 19	April 3, 2018 1

DECLARATION AND ASSIGNMENT

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,

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DM_US 57306631-1.095184.0586

1 of 2

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 22ml day of January, 2019 STATE OF COUNTY OF Harris

Before me personally appeared said ZHIJIE SUN and acknowledged the foregoing instrument to be a free act and deed this $2 \ln d$ day of $\int annowledged$, 2015



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Seal

DECLARATION AND ASSIGNMENT

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

entitled "AUTOMATIC DOSING OF SURFACTANT FOR RECOVERED HYDROCARBON ENHANCEMENT." Regarding that application, I declare the following:

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1 of 2

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 _______, 2014 Joron D. Dy STATE OF TExas) COUNTY OF Harris)

Before me personally appeared said JASON D. DYKSTRA and acknowledged the foregoing instrument to be a free act and deed this $\frac{12}{10}$ day of <u>Deciember</u>, 2014.

Seal

Waldine Dale Phills

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8/8/ ANA	Notary Public, State of Texas
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1 of 2

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	18th	day of	Desemi	ber	, 2014	
			4			
		X	ÍZHEN XUE			

STATE OF Texas COUNTY OF Harris

Before me personally appeared said YUZHEN XUE and acknowledged the foregoing instrument to be a free act and deed this 18^{42} day of <u>December</u>, 2014.

Seal

Madeline Dale Hills (Notary)

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8 6230	MADELINE DALE MILLS
Alt Ann	Notary Public, State of Texas
BARB	My Commission Expires
N X TOT THE	April 3, 2018
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RECORDED: 11/04/2015