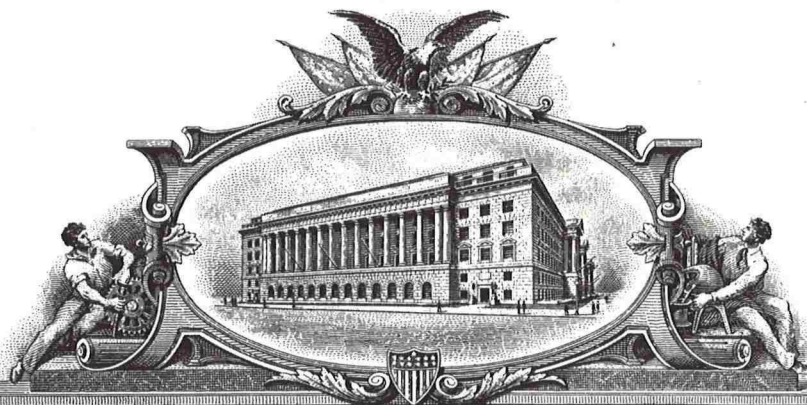


8199432



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

**UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office**

January 14, 2022

**THIS IS TO CERTIFY THAT ANNEXED IS A TRUE COPY FROM THE
RECORDS OF THIS OFFICE OF A DOCUMENT RECORDED ON**

October 3, 2019

**By Authority of the
Under Secretary of Commerce for Intellectual Property
and Director of the United States Patent and Trademark Office**



Sylvia Holley
**Sylvia Holley
Certifying Officer**

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5752152

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	PRESTON ANDREW MAY	09/24/2019
	JEFFREY J. MILLER	09/24/2019
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:	16591781
CORRESPONDENCE DATA		
Fax Number:	(713)229-2880	
<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>		
Phone:	713 229-1234	
Email:	tami.day@bakerbotts.com	
Correspondent Name:	BAKER BOTTS L.L.P.	
Address Line 1:	910 LOUISIANA STREET, ONE SHELL PLAZA	
Address Line 4:	HOUSTON, TEXAS 77002	
ATTORNEY DOCKET NUMBER:	063718.8643	
NAME OF SUBMITTER:	TAMI DAY	
SIGNATURE:	/Tami Day/	
DATE SIGNED:	10/03/2019	
Total Attachments: 4		
source=8643_Assignment#page1.tif		
source=8643_Assignment#page2.tif		
source=8643_Assignment#page3.tif		
source=8643_Assignment#page4.tif		

ASSIGNMENT

Whereas, I/We, Preston Andrew May of Porter, Texas; and Jeffrey J. Miller of Spring, Texas; have invented **"SOLID SHALE INHIBITOR ADDITIVES"** for which I/We filed a Non-Provisional Patent Application with the United States Patent and Trademark Office; and **"SOLID SHALE INHIBITOR ADDITIVES"** for which I/We have made application for Letters Patent of the International Bureau and which have been disclosed in the application for Patent Cooperation Treaty; 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 is desirous of acquiring an interest therein;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We, Assignor, does hereby sell, assign, transfer, set, and convey over to HALLIBURTON ENERGY SERVICES, INC., Assignee, its successors and assigns, the full and exclusive right, title and interest for the Patent Cooperation Treaty and the United States of America, and its territorial possessions and for any and all foreign countries, in and to said invention, in and to any and all improvements, and any divisional, continuing or reissue applications based on the present applications preparatory to obtaining Letters Patent of the International Application and Letters Patent of the United States therefor, including any and all rights to claim priority to the present applications; said invention, applications and any and all Letters Patent issuing therefor to be held and enjoyed by HALLIBURTON ENERGY SERVICES, INC. for its own use and behoove, 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 HALLIBURTON ENERGY SERVICES, INC., 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 September, 2019.

Preston Andrew May
Preston Andrew May

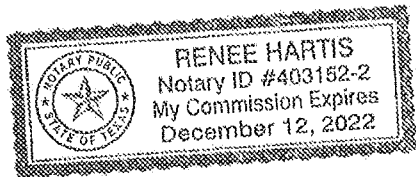
STATE OF TEXAS)

) ss

COUNTY OF Harris)

Before me personally appeared said Preston Andrew May and acknowledged the foregoing instrument to be his free act and deed this 24th day of September, 2019.

Seal



Renee Hartis
(Notary)

Executed this 24 day of September, 2019.



Jeffrey J. Miller

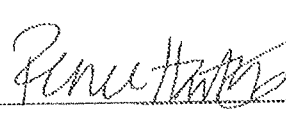
STATE OF TEXAS)

) ss

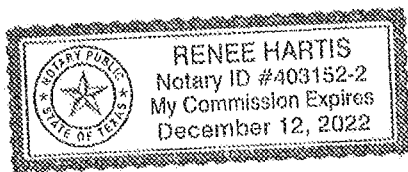
COUNTY OF Harris)

Before me personally appeared said Jeffrey J. Miller and acknowledged the foregoing instrument to be his free act and deed this 24th day of September, 2019.

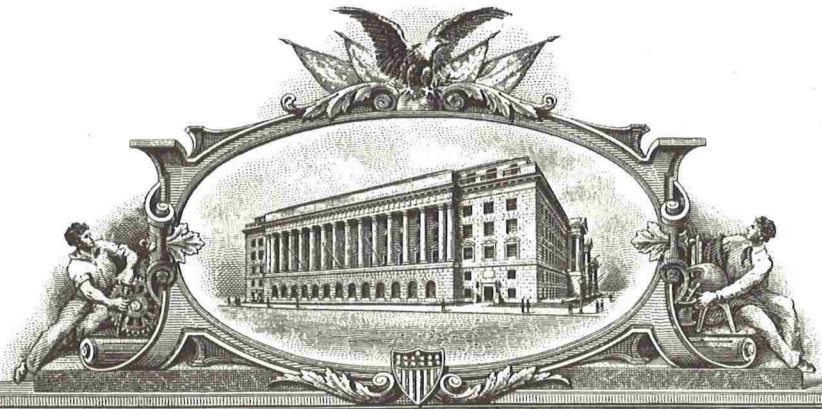
Seal



(Notary)



8199429



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

January 18, 2022

THIS IS TO CERTIFY THAT ANNEXED IS A TRUE COPY FROM THE
RECORDS OF THIS OFFICE OF A DOCUMENT RECORDED ON

October 4, 2019

By Authority of the
Under Secretary of Commerce for Intellectual Property
and Director of the United States Patent and Trademark Office



Sylvia Holley
Sylvia Holley
Certifying Officer

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5754820

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
PRESTON ANDREW MAY	09/24/2019
JEFFREY JAMES MILLER	09/24/2019
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
PCT Number:	US2019054645
CORRESPONDENCE DATA	
Fax Number:	(713)229-2708
<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>	
Phone:	7132292122
Email:	houston.foreign.patent@bakerbotts.com
Correspondent Name:	SHONDREA OWENS
Address Line 1:	910 LOUISIANA STREET
Address Line 4:	HOUSTON, TEXAS 77002
ATTORNEY DOCKET NUMBER:	063718.8642
NAME OF SUBMITTER:	SHONDREA OWENS
SIGNATURE:	/Shondrea Owens/
DATE SIGNED:	10/04/2019
Total Attachments: 4	
source=PCT Assignment_8642#page1.tif	
source=PCT Assignment_8642#page2.tif	
source=PCT Assignment_8642#page3.tif	
source=PCT Assignment_8642#page4.tif	

ASSIGNMENT

Whereas, I/We, Preston Andrew May of Porter, Texas; and Jeffrey James Miller of Spring, Texas; have invented "SOLID SHALE INHIBITOR ADDITIVES" for which I/We filed a Non-Provisional Patent Application with the United States Patent and Trademark Office; and "SOLID SHALE INHIBITOR ADDITIVES" for which I/We have made application for Letters Patent of the International Bureau and which have been disclosed in the application for Patent Cooperation Treaty; 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 is desirous of acquiring an interest therein;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/We, Assignor, does hereby sell, assign, transfer, set, and convey over to HALLIBURTON ENERGY SERVICES, INC., Assignee, its successors and assigns, the full and exclusive right, title and interest for the Patent Cooperation Treaty and the United States of America, and its territorial possessions and for any and all foreign countries, in and to said invention, in and to any and all improvements, and any divisional, continuing or reissue applications based on the present applications preparatory to obtaining Letters Patent of the International Application and Letters Patent of the United States therefor, including any and all rights to claim priority to the present applications; said invention, applications and any and all Letters Patent issuing therefor to be held and enjoyed by HALLIBURTON ENERGY SERVICES, INC. for its own use and behoove, 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 HALLIBURTON ENERGY SERVICES, INC., 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.

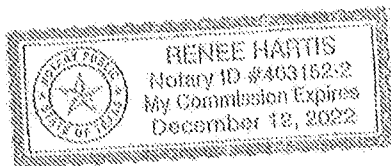
Executed this 24 day of September, 2019.

Preston Andrew May
Preston Andrew May

STATE OF TEXAS)
) ss
COUNTY OF Harris)

Before me personally appeared said Preston Andrew May and acknowledged the foregoing instrument to be his free act and deed this 24th day of September, 2019.

Seal



Renee Hattis
(Notary)

Executed this 24 day of September, 2019.


Jeffrey J. Miller

STATE OF TEXAS)

) ss

COUNTY OF Harris)

Before me personally appeared said Jeffrey J. Miller and acknowledged the foregoing instrument to be his free act and deed this 24th day of September, 2019.

Seal



(Notary)

