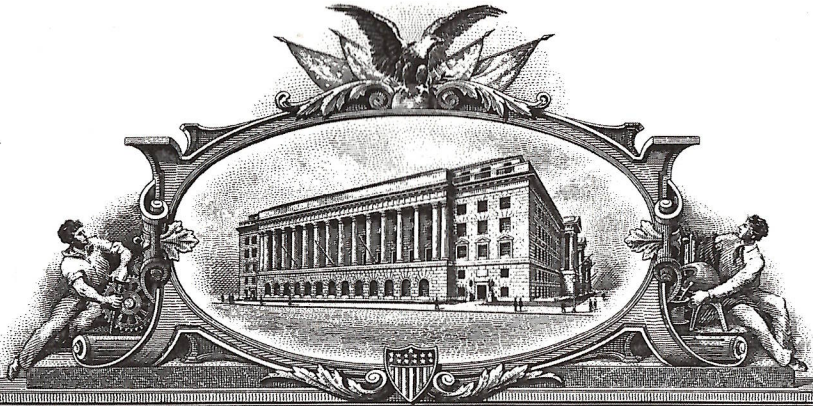


A 8134531



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

UNITED STATES DEPARTMENT OF COMMERCE

United States Patent and Trademark Office

July 27, 2021

**THIS IS TO CERTIFY THAT ANNEXED IS A TRUE COPY FROM THE
RECORDS OF THIS OFFICE OF A DOCUMENT RECORDED ON
JUNE 11, 2019.**

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




R GLOVER
Certifying Officer

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5565190

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JOHN PAUL BIR SINGH	04/25/2019
THOMAS JASON PISKLAK	04/23/2019
RONNIE GLEN MORGAN	06/10/2019
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:	US2019026172
CORRESPONDENCE DATA	
Fax Number:	
<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:	2819624503
Email:	dmasters@ctumeylawgroup.com
Correspondent Name:	C. TUMEY LAW
Address Line 1:	P.O BOX 890226
Address Line 4:	HOUSTON, TEXAS 77062-9998
ATTORNEY DOCKET NUMBER:	1560-058200
NAME OF SUBMITTER:	DANIEL MASTERS
SIGNATURE:	/dlm/
DATE SIGNED:	06/10/2019
Total Attachments: 4	
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source=2017-IPM-101879U1-PCT-Assignment-signed#page4.tif	

ASSIGNMENT

Whereas, We, John Paul Bir Singh of Kingwood, Texas, Thomas Jason Pisklak of Cypress, Texas, and Ronnie Glen Morgan of Waurika, Oklahoma ("ASSIGNORS"), have invented **METHOD FOR DESIGNING MIXABLE SLURRIES**, 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, United States of America (sometimes hereinafter called "ASSIGNEE"), is desirous of acquiring an interest therein,

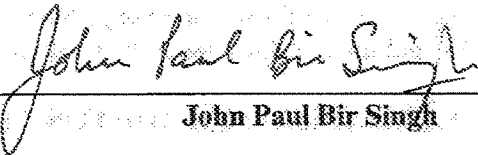
NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, We do hereby ASSIGN, SELL and CONVEY to said **Halliburton Energy Services, Inc.**, its successors and assigns, the entire right, title and interest throughout the world in and to:

1. Said invention in **METHOD FOR DESIGNING MIXABLE SLURRIES**;
2. Patent Cooperation Treaty international application on said invention, Application No. PCT/US2019/026172, filed April 5, 2019, entitled **METHOD FOR DESIGNING MIXABLE SLURRIES**, Halliburton Reference No. 2017-IPM-101879U1 PCT (The undersigned hereby grant(s) the firm of C. Tumey Law Group, PLLC of 1150 Clear Lake City Blvd., Suite 201, Houston, Texas 77062-9998 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document);
3. All applications for patent or like protection on said invention that have now been or may in the future be made by me or my legal representatives, including any continuation, continuation-in-part and any other utility applications that may be based on this invention, whether in the United States of America or in any other country or place anywhere in the world;
4. All patents and like protection that have now been or may in the future be granted on said invention to me or my legal representatives, whether in the United States of America or in any other country or place anywhere in the world;
5. All substitutions for and divisions, continuations, continuations-in-part, renewals, reissues, extensions, and the like of said applications and patents and like grants, including without limitation, those obtained or permissible under past, present and future laws and statutes;
6. All rights of action on account of past, present and future unauthorized use of said invention and for infringement of said patents and like protection;

7. The right in ASSIGNEE to file in its name applications for patents and like protection for said invention in any country or countries foreign to the United States; and

8. All international rights of priority associated with said invention, applications, patents and like protection and we covenant that we, and our heirs, legal representatives, assigns, administrators, and executors, will, at the expense of ASSIGNEE, its successors and assigns, execute all papers and perform such other acts as may be reasonably necessary to give ASSIGNEE, its successors and assigns, the full benefit of this Assignment.

Executed this 25th day of April, 2019


John Paul Bir Singh

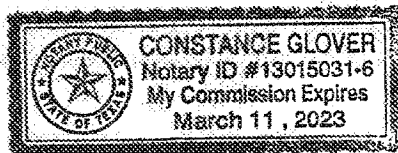
STATE OF TEXAS)

) ss.

COUNTY OF HARRIS)

Before me personally appeared said John Paul Bir Singh and acknowledged the foregoing instrument to be his free act and deed this 25th day of April, 2019.

Seal





(Notary)

PATENT

REEL: 049429 FRAME: 0411

Executed this 10th day of June, 2019

Ronnie Glen Morgan
Ronnie Glen Morgan

STATE OF Oklahoma)
) ss
COUNTY OF Stephens)

Before me personally appeared said Ronnie Glen Morgan and acknowledged the foregoing instrument to be his free act and deed this 10 day June of _____, 2019.

Seal

Jessica Hays
(Notary)

