506915858 10/11/2021

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6962693

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MICHAEL S. BITTAR	08/28/2018
HSU-HSIANG WU	08/27/2018

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:	17497457

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: 12819624503

Email: rflynt@ctumeylawgroup.com
Correspondent Name: C. TUMEY LAW GROUP, PLLC

Address Line 1: P.O. BOX 890226

Address Line 4: HOUSTON, TEXAS 77062-9998

ATTORNEY DOCKET NUMBER:	1560-051506
NAME OF SUBMITTER:	JOHN ROSS FLYNT
SIGNATURE:	/rflynt/
DATE SIGNED:	10/08/2021

Total Attachments: 3

source=2017-IPM-101847U1-PCT_Assignment-as-filed#page1.tif source=2017-IPM-101847U1-PCT_Assignment-as-filed#page2.tif source=2017-IPM-101847U1-PCT_Assignment-as-filed#page3.tif

PATENT 506915858 REEL: 057756 FRAME: 0052

ASSIGNMENT

Whereas, We, Michael S. Bittar of Houston, Texas, and Hsu-Hsiang Wu of Sugar Land, Texas ("ASSIGNORS"), have invented LOOK-AHEAD RESISTIVITY CONFIGURATION, 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 Malliburton Energy Services, Inc., its successors and assigns, the entire right, title and interest throughout the world in and to:

- 1. Said invention in LOOK-AHEAD RESISTIVITY CONFIGURATION,
- 2. Patent Cooperation Treaty international application on said invention, Application No. PCT/US2018/062641 , filed November 27 , 2018, entitled LOOK-AHEAD RESISTIVITY CONFIGURATION, Halliburton Reference No. 2017-IPM-101847U1 PCT (The undersigned hereby grant(s) the firm of Tumey L.L.P. of 5177 Richmond Avenue, Suite 1188, Houston, Texas 77056 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;

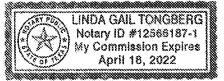
PATENT REEL: 057756 FRAME: 0053

- 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	28th day of	August	, 2018
			Milal Gillin
STATE OF	Texas)) ss)	Michael S. Bittar
COUNTY OF	Harris		

Before me personally appeared said Michael S. Bittar and acknowledged the foregoing instrument to be his free act and deed this 26 day of August, 2018.

Seal



Sinda Skil Jorghey (Notary)

> PATENT REEL: 057756 FRAME: 0054

	A	
Executed this $\frac{276h}{}$ day of $\frac{h}{}$	Jugu 52, 2018	
	1/2-66	
	Hsu-Hsiang Wu	
STATE OF TEXAS)		
) ss		
STATE OF Texas) ss COUNTY OF Harris)		
7,100, 7,400		
Before me personally appeared said Hsu-Hsjang Wu and acknowledged the foregoing instrument to be his free act and deed this 27 day of August, 2018.		
Seal	Seeds Hail Jonsberg	
	(Notary)	
LINDA GAIL TONGBER		
MICL 20 12 My Commission Expire	3	
April 18, 2022		

PATENT REEL: 057756 FRAME: 0055

RECORDED: 10/11/2021