PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BOGUSLAW WIECEK	02/22/2016
DANIEL JOSHUA STARK	02/23/2016
DAVID YAN LAP WONG	02/22/2016
SRIVIDHYA VEERAVALLI MURALI	03/18/2016

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:	16066093

CORRESPONDENCE DATA

Fax Number: (972)480-8865

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.

972-480-8800 Phone:

Email: docket@pj-iplaw.com

HALLIBURTON ENERGY SERVICES, INC. C/O PA **Correspondent Name:**

Address Line 1: 14241 DALLAS PARKWAY

Address Line 2: SUITE 620

Address Line 4: DALLAS, TEXAS 75254

ATTORNEY DOCKET NUMBER: 2015-098733 U1 US		
NAME OF SUBMITTER:	GREG H. PARKER	
SIGNATURE:	/Greg H. Parker/	
DATE SIGNED:	06/26/2018	

Total Attachments: 5

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> PATENT REEL: 046200 FRAME: 0337

ASSIGNMENT

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, that the undersigned inventor(s), for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, BOGUSLAW WIECEK, DANIEL JOSHUA STARK, DAVID YAN LAP WONG and SRIVIDHYA VEERAVALLI MURALI, having made an invention in "FIXED-WAVELENGTH FIBER OPTIC TELEMETRY", while in the employment of HALLIBURTON ENERGY SERVICES, INC., a corporation organized and existing under the laws of the State of Delaware, doing business at 3000 N. Sam Houston Parkway E., Houston, TX 77032-3219, USA, (sometimes hereinafter called "ASSIGNEE"), do hereby ASSIGN, SELL and CONVEY to said ASSIGNEE, its successors and assigns, the entire right, title and interest throughout the world in and to:

- 1. Said invention in "FIXED-WAVELENGTH FIBER OPTIC TELEMETRY";
- 2. The International PCT Patent Application on said invention, filed concurrently herewith or as PCT Patent Application No. PCT/US2016/020038 filed February 29, 2016 , (Attorney's File No. 1392-117.00; attorney is authorized to fill in the application number and filing date after the USPTO assigns them), entitled "FIXED-WAVELENGTH FIBER OPTIC TELEMETRY";
- 3. All applications for patent or like protection on said invention that have now been or may in the future be made by us or our legal representatives, whether in the United States of America or any other 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 us or our 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 limitations, those obtained or permissible under past, present and future law and statutes;
- 6. All rights of action on account of past, present and future unauthorized use of said invention for infringement of said patents and like protection;
- 7. The right to 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

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I (or We) covenant that I (or We), my (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 in Houston, TX, on the 22 day of February, 2016. (City) (State)	
BOGUSLAW WIECEK	
STATE OF \\ \lambda & \tau \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	
COUNTY OF Hatis §	
BEFORE ME, the undersigned authority, on this day personally appeared BOGUSLAW WIECEK, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed. GIVEN UNDER my hand and seal of office, this the Awday of Tolory, 2016. [SEAL] CHERI AMOUR SMITH JAMES Notary ID # 126057782 My Commission Expires March 29, 2019 My Commission Expires: Work 29, 2019	

EXECUTED in Houston, IX, on the 23 day of February, 2016. (City) (State)		
DANIEL JOSHUA STARK		
STATE OF <u>lekas</u> § county of <u>Harris</u> §		
BEFORE ME, the undersigned authority, on this day personally appeared DANIEL JOSHUA STARK, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed. GIVEN UNDER my hand and seal of office, this the 23 day of Feb., 2016.		
[SEAL] PORSCHE JEANPIERRE My Commission Expires June 5, 2018 Notary Public		
My Commission Expires: June 5, 18		

EXECUTED in Houston (City)	, TX, on the 22 day of Fobruary, 2016. (State)	
	DAVID YAN WAP WONG	
STATE OF Texas	§	
COUNTY OF Harris	§	
BEFORE ME, the undersigned authority, on this day personally appeared DAVID YAN LAP WONG, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed. GIVEN UNDER my hand and seal of office, this the day of the purposes and consideration therein expressed.		
Motery ID # 126057782 My Commission Expires Merch 29, 2019 Protary Public		
My Commission Expires: 1/ Janeh 29, 2019		

EXECUTED in CHENNAL, Teaching to (City, Country)	n the 18 day of MARCH 2016	
BEFORE ME, the undersigned witness, on this		
Witness's Signature:	J. M.S.	
	RIDDHI- 5-LADHANI	
Witness's Address:	4C, UMA GOVPLEX KELLYS	
	CHEMMAL ROOM	

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