504794118 02/26/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
LUIS E. SAN MARTIN	09/16/2015
REZA KHALAJ AMINEH	09/16/2015
BURKAY DONDERICI	09/16/2015

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:	15755431

CORRESPONDENCE DATA

Fax Number: (713)622-0220

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ATTORNEY DOCKET NUMBER:	1560-047303
NAME OF SUBMITTER:	DANIEL MASTERS
SIGNATURE:	/dlm/
DATE SIGNED:	02/26/2018

Total Attachments: 4

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PATENT REEL: 045042 FRAME: 0647 504794118

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, LUIS E. SAN MARTIN, REZA KHALAJ AMINEH and BURKAY DONDERICI, having made an invention in "DETERMINING PERMEABILITY BASED ON COLLAR RESPONSES", 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 "DETERMINING PERMEABILITY BASED ON COLLAR RESPONSES";
- 2. The International PCT Patent Application on said invention, filed concurrently herewith or as PCT Patent Application No. PCT/US2015/050763 filed September 17, 2015 (Attorney's File No. 1391-998.00; attorney is authorized to fill in the application number and filing date after the USPTO assigns them), entitled "DETERMINING PERMEABILITY BASED ON COLLAR RESPONSES":
- 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 6 day of SEP, 2015.				
LUIS E. SAN MARTIN				
FIR SERVENT PLANE CRUIT				
STATE OF TEXAS § COUNTY OF HARRIS §				
COULTAIN TALLISTICE 8				
BEFORE ME, the undersigned authority, on this day personally appeared LUIS E. SAN MARTIN, 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				
[SEAL]				
My Commission Expires: Dec. 15, 2018 STEFANIE JOHNSON Notary Public, State of Texas My Commission Expires December 15, 2018				

EXECUTED in Hawlon, To on the 16 day of Sep , 2015. (City) (State)		
REZA KIFALAJ AMINEH		
REZA KIFALAJ AMINEH		
STATE OF		
COUNTY OF 1/64//5 §		
BEFORE ME , the undersigned authority, on this day personally appeared REZA KHALAJ AMINEH, 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 16 day of 5e/ 2015.		
[SEAL]		
My Commission Expires: Dec 15 2013 STEFANIE JOHNSON &		
STEFANIE JOHNSON Notary Public, State of Texas My Commission Expires December 15, 2018		

EXECUTED in		, \overrightarrow{IX} , on the	Withday of Seftember, 2015.	
	(City)	(State)		
¥				
		BUR	KAY DONDERICI	
STATE OF	Texas	§		
COUNTY OF	HARRIS	§		
BEFORE ME, the undersigned authority, on this day personally appeared BURKAY DONDERICI, 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 Lb day of Sept., 2015.				
[SEAL]		*	Notary Public	
My Commission I	Expires: <u>Vec</u> .	15,2018	STEFANIE JOHNSON Notary Public, State of Texas My Commission Expires December 15, 2018	