

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5475904

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	ARAMCO SERVICES COMPANY	12/17/2018
RECEIVING PARTY DATA		
Name:	SAUDI ARABIAN UPSTREAM TECHNOLOGY COMPANY	
Street Address:	1 EASTERN AVENUE	
City:	DHAHRAN	
State/Country:	SAUDI ARABIA	
Postal Code:	31311	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	15992907
CORRESPONDENCE DATA		
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<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>		
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ATTORNEY DOCKET NUMBER:	0004159.005718	
NAME OF SUBMITTER:	CHRISTOPHER L. DRYMALLA	
SIGNATURE:	/Christopher L. Drymalla/	
DATE SIGNED:	04/16/2019	
Total Attachments: 2		
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ASSIGNMENT

WHEREAS, we, ARAMCO SERVICES COMPANY, a corporation of the State of Delaware, and having a principle address of 1200 Smith Street, Two Allen Building, Houston, Texas 77002, USA, hereafter "ARAMCO SERVICES" is the owner by mesne assignments of an invention entitled, "LOGGING FRACTURE TOUGHNESS USING DRILL CUTTINGS" for which a non-provisional patent application was filed on May 30, 2018, as a U. S. Non-Provisional Application No. 15/992,907; and

WHEREAS, Saudi Arabian Upstream Technology Company, a Limited Liability Company organized under the laws of the Kingdom of Saudi Arabia, with a business address of 1 Eastern Avenue, Dhahran 31311, Saudi Arabia, hereafter "SAUTC", is desirous of acquiring the entire right, title and interest in and to the aforesaid invention and U. S. Patent Applications throughout the world, and all right, title and interest in, to and under any and all Letters Patent of the United States and all other countries throughout the world;

WHEREAS, by an Agreement dated January 1, 2017 entitled "Research Services Agreement," SAUTC is granted sole and exclusive ownership to the aforesaid invention throughout the world, and ARAMCO SERVICES and SAUTC are each desirous of ratifying such Assignment for the record;

NOW, THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) to us in hand paid by ARAMCO SERVICES and for other good and valuable considerations, the receipt of which is hereby acknowledged, ARAMCO SERVICES does hereby assign, transfer and set over to SAUTC, all right, title and interest in and to the said invention throughout the world, and said application for U.S. Letters Patent, and any and all divisions, continuations, reexaminations and reissues thereof, and any and all Letters Patent of the United States and foreign countries which may be granted therefor, the same to be held and enjoyed by SAUTC for its own use and benefit, and for the use and benefit of its successors, assigns, or other legal representatives, to the end of the term or terms for which said Letters Patent of the United States or foreign countries are or may be granted, reexamined or reissued, as fully and entirely as the same would have been held and enjoyed by ARAMCO SERVICES if this assignment and sale had not been made.

And ARAMCO SERVICES hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States on said invention or

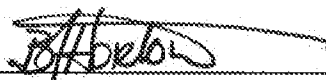
resulting from said application and from any and all divisions, continuations, and reissues thereof, to SAUTC, as assignee of its entire interest.

And ARAMCO SERVICES further hereby agrees that it will, at any time, upon request, execute and deliver any and all papers that may be necessary or desirable to perfect the title of said invention and to such Letters Patent as may be granted therefor, to SAUTC, its successors, assigns, or other legal representatives and that if SAUTC shall desire to file any divisional or continuation applications or to secure a reexamination or reissue of such Letters Patent, or to file a disclaimer relating thereto, will upon request, sign all papers, make all rightful oaths and do all lawful acts requisite for the filing of such divisional or continuation applications, or such application for reissue and the procuring thereof, and for the filing of such disclaimer.

And ARAMCO SERVICES does further agree that it will, at any time upon request, communicate to SAUTC, its successors, assigns or other legal representatives, such facts relating to said invention and Letters Patent or the file history thereof as may be known to it or its employees, and testify as to the same in any interference or other litigation when requested so to do, without further compensation but at the expense of SAUTC, its successors, or other legal representatives.

EXECUTED this 17th day of December, 2018.

ARAMCO SERVICES COMPANY



BOBBY HORTON
General Counsel

1200 Smith Street
Two Allen Building
Houston, Texas 77002 USA