

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5819568

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	SAUDI ARAMCO UPSTREAM TECHNOLOGY COMPANY	10/09/2019
RECEIVING PARTY DATA		
Name:	SAUDI ARABIAN OIL COMPANY	
Street Address:	1 EASTERN AVENUE	
City:	DHAHRAN	
State/Country:	SAUDI ARABIA	
Postal Code:	31311	
PROPERTY NUMBERS Total: 2		
	Property Type	Number
	Application Number:	16598332
	PCT Number:	US1955456
CORRESPONDENCE DATA		
Fax Number:	(617)502-5002	
<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:	617-248-5000	
Email:	PatentDocket@choate.com	
Correspondent Name:	CHOATE HALL & STEWART LLP-PATENT DOCKET	
Address Line 1:	TWO INTERNATIONAL PLACE	
Address Line 4:	BOSTON, MASSACHUSETTS 02110	
ATTORNEY DOCKET NUMBER:	2012737-0028 -0030	
NAME OF SUBMITTER:	CRISTIN E. JUDA	
SIGNATURE:	/Cristin E. Juda/	
DATE SIGNED:	11/14/2019	
Total Attachments: 5		
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ASSIGNMENT

This Intellectual Property Assignment ("Assignment") is made by **Saudi Aramco Upstream Technology Company** (hereinafter "ASSIGNOR"), a corporation organized and existing under the laws of the Kingdom of Saudi Arabia, and having a usual place of business at **1 Eastern Avenue, Dhahran 31311, SAUDI ARABIA**, in favor of **Saudi Arabian Oil Company** (hereinafter "SAO"), a corporation organized and existing under the laws of the Kingdom of Saudi Arabia, and having a usual place of business at **1 Eastern Avenue, Dhahran 31311, SAUDI ARABIA**, together recognized as "PARTIES";

WHEREAS, the PARTIES previously executed a License Agreement, dated as of May 1, 2016, and a Research Services Agreement, dated as of May 1, 2016, in which the PARTIES agreed that ASSIGNOR shall assign intellectual property to ASSIGNEE;

WHEREAS, ASSIGNOR is the owner by assignment of patent(s), patent application(s) and the invention(s) listed on Schedule A, including the rights in and to any provisionals, continuations, divisionals, reissues or re-examinations, the corresponding foreign patent applications and foreign patents arising out of the aforementioned patent(s) and patent application(s), any future patents related thereto, in whole or in part, or issuing therefrom, and any and all inventions described and/or claimed in said patent(s) and patent application(s) (referred to collectively hereinafter as the "PATENT RIGHTS"), and

WHEREAS, ASSIGNEE desires to acquire or confirm an interest therein;

NOW, THEREFORE, to all whom it may concern be it known that, for good and valuable consideration, the receipt and sufficiency of which is hereby mutually acknowledged, ASSIGNOR has sold, assigned, and transferred and/or by these presents does hereby sell, assign and transfer unto ASSIGNEE, its successors, assigns, and legal representatives, ASSIGNOR'S entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to any and all inventions described and/or claimed in said PATENT RIGHTS, together with ASSIGNOR's entire right, title and interest in and to the patent application(s) as noted above and such other patents as may issue thereon or claim priority under United States law or international convention, including but not limited to non-provisionals, continuations, divisionals, reissues, reexaminations, extensions, and substitutions of said patent(s) and patent application(s); said invention(s), patent application(s) and patent(s) to be held and enjoyed by ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said patent(s) may be granted as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made; ASSIGNOR hereby conveys all of its rights arising under or pursuant to any and all United States laws and international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for patent, including but not limited to any cause(s) of action and damages accruing prior to this assignment;

AND, ASSIGNOR hereby acknowledges that this assignment, being of its entire right, title and interest in and to said inventions, patent application(s) and patent(s), carries with it the right in ASSIGNEE to apply for an obtain from competent authorities in all countries of the

world any and all patents by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all patents to ASSIGNEE in its own name as assignee of ASSIGNOR's entire right, title and interest therein;

AND, ASSIGNOR hereby further agrees for itself and its successors, assigns, agents, and legal representatives to provide statements or testimony in any interference or proceeding in which said patent(s) or patent application(s) or inventions directed thereto may be involved; to communicate to ASSIGNEE, its successors, assigns and legal representatives, any facts known to ASSIGNOR regarding said inventions, and to testify in any legal proceedings, sign all lawful papers, make all rightful oaths, and generally execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid inventions to ASSIGNEE, its successors, assignees, and legal representatives, including the execution of non-provisional, continuation, divisional, reissue, reexamination, extension, substitution, or corresponding foreign or international patent applications, and generally do everything possible to aid ASSIGNEE, its successors, assigns and legal representatives, to obtain, record and enforce full protection for the inventions in all countries, but in each instance at ASSIGNEE's reasonable expense;

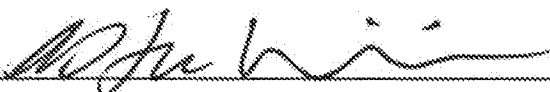
AND, ASSIGNOR does hereby authorize ASSIGNEE or its attorneys or agents to insert the correct application number(s) and/or filing date(s) into this assignment document, if appropriate;

AND, ASSIGNOR does hereby authorize and request the Director of the United States Patent and Trademark Office and any officials of any country or countries other than the United States, whose duty is to issue patents or other forms of industrial property protection, to issue the same as shall be granted upon any application relating to said PATENT RIGHTS to ASSIGNEE, its successors, assigns, or legal representatives;

AND, ASSIGNOR covenants and agrees that it has full right to convey the entire right, title, and interest assigned, and it has not executed and will not execute any agreement in conflict herewith;

IN TESTIMONY WHEREOF, ASSIGNOR and ASSIGNEE by their duly authorized representative acting on their own free will have caused this instrument to be duly executed and have hereunto set his hand and affixed our seal on the dates set forth below.

The undersigned (whose title is supplied below) is authorized to act on behalf of
Saudi Aramco Upstream Technology Company

Signature:  Date: October 9, 2019

Name (printed): Ashraf M. Tahini

Title (printed): Chief Executive Officer

The undersigned (whose title is supplied below) is authorized to act on behalf of
Saudi Arabian Oil Company

Signature:  Date: October 9, 2019

Name (printed): Kwadio S. Adusei-Poku

Title (printed): Sr. Counsel II, IP Practice Lead

SCHEDULE A

Reference No.	Application No.	Filing Date	Title
SA2118/ASC_IP-18-286	US 62/795,787	23-Jan-2019	MITIGATION OF CONDENSATE AND WATER BANKING USING FUNCTIONALIZED NANOPARTICLES
SA2124/ASC_IP-18-311	US 62/743,947	10-Oct-2018	METHODS FOR DELIVERING IN-SITU GENERATED ACIDS FOR STIMULATION OF DOWNHOLE STRUCTURES