

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4390366

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ARAMCO SERVICES COMPANY	01/01/2016
RECEIVING PARTY DATA	
Name:	SAUDI ARABIAN OIL COMPANY
Street Address:	P.O. BOX 5000
City:	DHAHRAN
State/Country:	SAUDI ARABIA
Postal Code:	31311
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15581408
CORRESPONDENCE DATA	
Fax Number:	(937)449-6405
<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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Correspondent Name:	DINSMORE & SHOHL LLP
Address Line 1:	FIFTH THIRD CENTER, ONE S. MAIN ST.
Address Line 2:	SUITE 1300
Address Line 4:	DAYTON, OHIO 45402
ATTORNEY DOCKET NUMBER:	SA 6054 PA / 77097-60541
NAME OF SUBMITTER:	KATHERINE GHEARING
SIGNATURE:	/Katherine Ghearing/
DATE SIGNED:	04/28/2017
Total Attachments: 4	
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**INTELLECTUAL PROPERTY ASSIGNMENT
FROM ARAMCO SERVICES COMPANY
TO SAUDI ARABIAN OIL COMPANY**

This Intellectual Property Assignment ("Assignment"), dated as of January 1, 2016, is made by Aramco Services Company, a Delaware corporation, having offices at 9009 West Loop South, Houston, Texas 77096-1719 ("Assignor"), in favor of Saudi Arabian Oil Company, a company with limited liability, duly organized and existing under the laws of the Kingdom of Saudi Arabia and established by Royal Decree M/8 dated 4/4/1409 H. ("Assignee") together recognized as "Parties".

RECITALS

WHEREAS, the parties previously executed an Intellectual Property Assignment, dated as of April 13, 2015, in which the Parties agreed that Assignor shall continue to assign intellectual property to Assignee on a quarterly basis; and

WHEREAS, Assignor is the present owner of the rights, title and interest in the invention disclosures, patents and patent applications set forth in the attached Schedule A (the "Intellectual Property") as of January 1, 2016;

NOW, for good and valuable consideration, the receipt and sufficiency of which is acknowledged, the Parties agree as follows:

1. Assignment of Intellectual Property. Assignor assigns to Assignee all of its rights, title and interest in and to the Intellectual Property, including, but not limited to:

(a) the right to make, use and sell the inventions associated with the Intellectual Property;

(b) the right to take all legal actions on account of past, present and future infringement of the Intellectual Property;

(c) the right to conduct and control all protection activities associated with the Intellectual Property as fully and entirely as the same would have been held and enjoyed by Assignor if this assignment had not been made, including for example: the filing and prosecution of any and all patent applications, including divisions, continuations, and continuations-in-part of existing applications assigned by this Assignment; reexaminations, reissues or other administrative proceedings; and the payment of issuance and maintenance fees; and

(d) any and all rights and obligations held by the Assignor arising under the Assignment in relation to the Intellectual Property.

2. Further Assurances. Assignor hereby covenants and agrees that it will at any time, upon the request and at the expense of Assignee but without further compensation, cooperate with Assignee in the protection of the Intellectual Property, including: all lawful acts that may be necessary to perfect the title to the Intellectual Property, such as the execution and delivery of

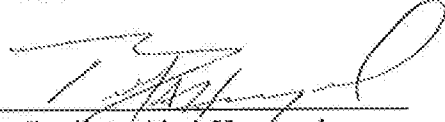
formal documents; cooperate with Assignee in the enforcement or licensing of the Intellectual Property, including in any interference, reexamination, or other litigation; communicate to Assignee, its successors and assigns, any facts known respecting the Intellectual Property and its history, and generally do everything possible which the Assignee shall consider desirable for vesting title to improvements in the Intellectual Property.

3. Warranties. Assignor hereby warrants that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the Assignor, and that the full right to convey the same as herein expressed is possessed by the Assignor, to the extent set forth in Schedule A.

IN WITNESS WHEREOF, the Parties have executed this Assignment as of January 1, 2016.

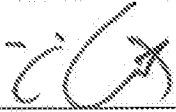
ARAMCO SERVICES COMPANY

By: _____


Basil A. Abul-Hamayel
President

SAUDI ARABIAN OIL COMPANY

By: _____


Ahmad Khowaiter
Chief Technology Officer

**Intellectual Property Assignment
from Aramco Services Company to Saudi Arabian Oil Company**

**Schedule A
January 1, 2016**

Title	ASC Docket Number	SAO Docket Number	Application Date	Application Number	Inventors
Use of permeable packaging for oilfield chemical delivery in wells and pipelines	ASC0030	SA5487			Ghaithan Al-Muntasheri (ASC) Sunder Ramachandran (ASC) Mohammed Sayed (ASC)
Reversible Amino Gel Compositions and Method of Use	ASC0069	SA5466			Peter J. Boul (ASC) B.R. Reddy (ASC) Matt Hilfiger (ASC) Carl Thaeplitz (ASC)
Laboratory method to determine pore-pressure-dependent gas permeability of shale	ASC0082	SA5464	12/14/2015	62/267091	Hui-Hai Liu (ASC) Bitao Lai (ASC) Jiling Zhang (ASC) Daniel T. Georgi (ASC) Xinwo Huang (ASC)
Enhancements of the High-Temperature Viscoelastic Surfactant (VES) Fluids Using Polymers	ASC0083	SA6054			Leiming Li (ASC) Selmus Ozden (ASC) Ghaithan Al-Muntasheri (ASC) Feng Liang (ASC) B.R. Reddy (ASC)
Method and apparatus for downhole infrared spectroscopy using pyroelectric detectors	ASC0087				Sebastian Csutak (ASC) Max Deffenbaugh (ASC) David Jacobi (ASC)
Collaborative sensing and prediction of source rock properties from multiple measurements	ASC0090				Weichang Li (ASC) Sebastian Csutak (ASC) David Jacobi (ASC) Max Deffenbaugh (ASC) Dawn Jobe (ASC)

Synthesis of Catalytic Materials for Metathesis and Other Catalytic Applications via Well Controlled Aerosol Processing	ASC0091	SA6043	12/02/2015	62/262250	Michele L. Ostraat (ASC) Brian S. Hanna (ASC)
High Temperature Fracturing Fluids	ASC0096	SA7128			Feng Liang (ASC) B.R. Reddy (ASC) Leiming Li (ASC) Ghaithan Al-Muntasheri (ASC)
In-Situ Electromagnetic Wave Heating to Fracture Patternd-Wells in Tight Formations for Hydrocarbon Production	ASC0098	SA7138			Jinhong Chen (ASC) Dan Georgi (ASC) Hui-Hai Liu (ASC)
Crosslinkable, Highly Selective Polynorbornenes for Natural Gas Upgrading	ASC0100	SA6052			Benjamin Sundell; John Lawrence III
An efficient Technique to Determine Elastic Properties from Brazilian Testing	ASC0111	SA7143			Bitao Lai (ASC) Hui Hai Liu (ASC) Yanhui Han (ASC)
Enhancements of the High-Temperature Viscoelastic Surfactant (VES) Fluids Using Inorganic Materials	ASC0141	SA6055			Leiming Li (ASC) Sehms Ozden (ASC) Ghaithan Al-Muntasheri (ASC) Feng Liang (ASC) B.R. Reddy (ASC)