PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Desmond Schipper	04/25/2019
Katherine Leigh Hull	04/25/2019
Mohammad Hamidul Haque	04/25/2019

RECEIVING PARTY DATA

Name:	ARAMCO SERVICES COMPANY	
Street Address:	1200 SMITH STREET, TWO ALLEN BUILDING,	
City:	HOUSTON	
State/Country:	TEXAS	
Postal Code:	77002	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16883800

CORRESPONDENCE DATA

Fax Number: (877)769-7945

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.

Phone: +1 (713) 654-5398

Email: matteo@fr.com, apsi@fr.com

Correspondent Name: FLORON C. FARIES

Address Line 1: FISH & RICHARDSON P.C.

Address Line 2: P.O.BOX 1022

Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022

ATTORNEY DOCKET NUMBER:	38136-0717002	
NAME OF SUBMITTER:	KIRSTIN MATTEO	
SIGNATURE:	/kirstin matteo/	
DATE SIGNED:	06/01/2020	

Total Attachments: 2

source=38136-0717002; SA71337- ASC0354-US02-CON - assignment - FILED (from parent appl)#page1.tif source=38136-0717002; SA71337- ASC0354-US02-CON - assignment - FILED (from parent appl)#page2.tif

PATENT 506084080 REEL: 052799 FRAME: 0337

Attorney Docket No.: 38136-0717001 / \$A7755

ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, DESMOND SCHIPPER, KATHERINE LEIGH HULL, and MOHAMMAD HAMIDUL HAQUE, each individually assign to ARAMCO SERVICES COMPANY, a corporation formed under the laws of Texas and having a principal place of business at 1200 Smith Street, Two Allen Building, Houston, TX 77002, and its successors, transferees, and assignees (collectively the "Assignee"), all of our individual and joint right, title, and interest throughout the world in the invention(s) (the "Subject Matter") described in a patent application that names us as inventors, is titled "FORMING MINERAL IN FRACTURES IN A GEOLOGICAL FORMATION," and was or will be filed in the United States Patent and Trademark Office on April 29, 2019, as application 16/397,710 (the "Application"). We authorize the insertion of the filing date and application number above.

This Assignment assigns, in addition to the Subject Matter of the Application, (a) the Application and all other applications that may be made for, and all patents, utility models, design registrations, and other rights of exclusion and inventors' certificates for, any of the Subject Matter (collectively the "Applications and Granted Rights") in every country or region and under every treaty or convention, (b) the right to claim priority based on and the benefit of the filing date of any of the Applications and Granted Rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or conventions, and (c) the right to pursue, collect, and retain in the Assignee's name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment.

We authorize the Assignee to apply for and pursue protection for any or all of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment in all countries, regions, and territories of the world, in our names or in the Assignee's name.

We represent and warrant that we have the right and power to make this Assignment and that we have not made and will not make any other assignment that conflicts with this Assignment.

Assignment Page 1 of 2

Attorney Docket No.: 38136-0717001 / \$A7755

We will communicate to the Assignee (or, at the request of the Assignee to other parties) all known facts in any form relating to the Subject Matter; will execute and provide all oaths and declarations, statements, testimony, assignments, powers of attorney, applications, and documents; and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.

Jan 12 Arrive	Date: 07/25/2019
Desirional Schipper	. 1
Katherine THULL	Date: 04/25/20/9
Katherine Leigh Hull	
Mohammad Hamidul Haque	Date: 09/25/2019
The Assignee hereby acknowledges and acce	epts the foregoing assignment.
Assignee: ARAMCO SERVICES COMPAN	ĬΫ
Signature:	Date:
Name:	
Title:	
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Assignment Page 2 of 2

PATENT REEL: 052799 FRAME: 0339

RECORDED: 06/01/2020