

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT5911155

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Katherine Leigh Hull	12/16/2019
Rajesh Kumar Saini	12/16/2019
Younane N. Abousleiman	12/16/2019
Desmond Schipper	01/02/2020
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:	16731574
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	38136-0813001
NAME OF SUBMITTER:	KIRSTIN MATTEO
SIGNATURE:	/kirstin matteo/
DATE SIGNED:	01/14/2020
Total Attachments: 3	
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ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, DESMOND SCHIPPER, KATHERINE LEIGH HULL, RAJESH KUMAR SAINI, and YOUNANE N. ABOUSLEIMAN, each individually assigns 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 "REACTIVE HYDRAULIC FRACTURING FLUID," and was or will be filed in the United States Patent and Trademark Office on December 31, 2019, as application 16/731,574 (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.

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.

Desmond Schipper
Desmond Schipper

Date: 01/02/2020

Katherine Leigh Hull

Date: _____

Rajesh Kumar Saini

Date: _____

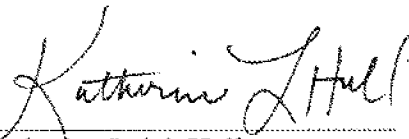
Younane N. Abousleiman

Date: _____

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.

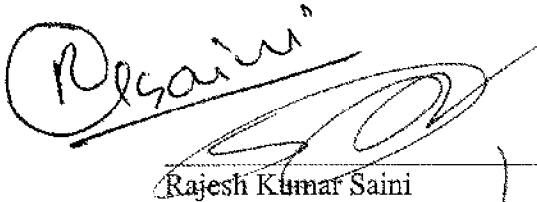
Desmond Schipper

Date: _____



Katherine Leigh Hull

Date: 12/16/2019



Rajesh Kumar Saini

12/16/2019
Date: 12/16/2019

Younane N. Abousleiman

Date: _____