

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Erica Whilhelmina Catharina Coenen	08/09/2019
Sean Andrew Spicer	08/09/2019
Sudhendu Kashikar	08/09/2019
RECEIVING PARTY DATA	
Name:	REVEAL ENERGY SERVICES, INC.
Street Address:	1500 CITYWEST BLVD, SUITE 741
City:	HOUSTON
State/Country:	TEXAS
Postal Code:	77042
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16044160
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	45224-0008001
NAME OF SUBMITTER:	MARY FLORCZAK
SIGNATURE:	/Mary Florczak/
DATE SIGNED:	08/14/2019
Total Attachments: 6	
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ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, ERICA WHILHELMINA CATHARINA COENEN, SEAN ANDREW SPICER, and SUDHENDU KASHIKAR, each individually assigns to REVEAL ENERGY SERVICES, INC., a corporation formed under the laws of Delaware, and having a principal place of business at 1500 CityWest Blvd, Suite 741, Houston, TX 77042, and its successors, transferees, and assignees (collectively the "Assignee"), all of our individual and joint right, title, and interest throughout the world in the inventions (the "Subject Matter") described in:

(1) a patent application that names us as inventors, is titled "DYNAMICALLY MODELING A HYDRAULIC FRACTURE," and was filed in the United States Patent and Trademark Office on July 24, 2018, as application 16/044,160, referenced by Attorney Docket No. 45224-0008001; and

(2) a patent application that names us as inventors, is titled "DYNAMICALLY MODELING A PROPPANT AREA OF A HYDRAULIC FRACTURE," and was filed in the United States Patent and Trademark Office on July 24, 2018, as application 16/044,071, referenced by Attorney Docket No. 45224-0002001,

collectively referred to as the "Applications."

This Assignment assigns, in addition to the Subject Matter of the Applications, (a) the Applications 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.



Erica Wilhelmina Catharina Coenen

Date: 8/9/2019

Witnessed by:

Signature: 

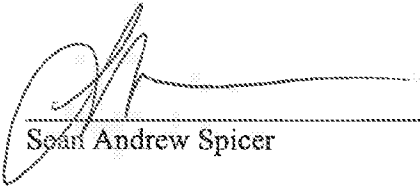
Date: 9 - Aug 2019

Print Name: Sean Spicer

Signature: 

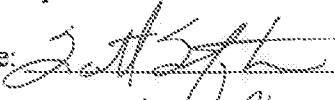
Date: 8/9/2019

Print Name: Qin Ji


Sean Andrew Spicer

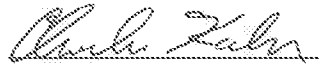
Date: 9 - Aug - 2019

Witnessed by:

Signature: 

Date: 9 - Aug - 2019

Print Name: Scott Denton

Signature: 

Date: 9 - Aug - 2019

Print Name: Charles Kahn

kashikar
Sudhendu Kashikar

Date: 09-Aug-2019

Witnessed by:

Signature: Mkashikar

Date: 09-Aug-2019

Print Name: Manjushree Kashikar

Signature: [Handwritten Signature]

Date: 9-Aug-2019

Print Name: Sean Spicer

The Assignee hereby acknowledges and accepts the foregoing assignment.

Assignee: REVEAL ENERGY SERVICES, INC.

Signature: *R. Steven Wells* Date: AUG 9, 2019

Name: R. STEVEN WELLS

Title: CHIEF FINANCIAL OFFICER

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