

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4932643

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
HUGO FERNANDO OSORIO CUELLAR	04/22/2018
RAFAEL M. PINO ROJAS	04/22/2018
VICTOR CARLOS COSTA DE OLIVEIRA	04/22/2018
KHALED K. ABOUELNAAJ	04/24/2018
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: 1	
Property Type	Number
Application Number:	15961500
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	38136-0388001
NAME OF SUBMITTER:	SUSAN C. JOHNSON
SIGNATURE:	/Susan C. Johnson/
DATE SIGNED:	04/25/2018
Total Attachments: 2	
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ASSIGNMENT

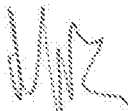
For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, HUGO FERNANDO OSORIO CUELLAR, RAFAEL M. PINO ROJAS, VICTOR CARLOS COSTA DE OLIVEIRA, and KHALED K. ABOUELNAAL, each individually assign to SAUDIARABIAN OIL COMPANY, a corporation formed under the laws of Saudi Arabia and having a principal place of business at 1 Eastern Avenue, Dhahran, Saudi Arabia 31311, and its successors, transferees, and assignees (collectively the "Assignee"), all of our individual and joint right, title, and interest throughout the world in the subject matter (the "Subject Matter") of a patent application that names us as inventors, is titled "SMART SYSTEM FOR SELECTION OF WELLBORE DRILLING FLUID LOSS CIRCULATION MATERIAL," and was filed in the United States Patent and Trademark Office on April 24, 2018, as application 15/961,500 (the "Application"). We authorize the insertion of the filing date and application number above.

This Assignment assigns (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, (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.

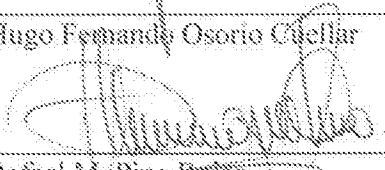
We represent and warrant that we have the right and power to make this Assignment and that we have not made and will not make any other assignment that conflicts with this Assignment.

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.



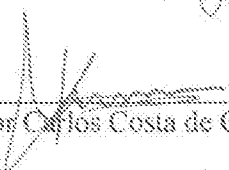
Hugo Fernando Osorio Cuellar

Date: 04-11-18



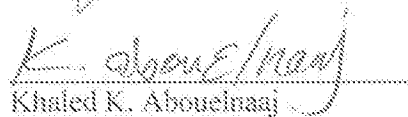
Rafael M. Pine-Rojas

Date: 4/22/18



Victor Carlos Costa de Oliveira

Date: 4/22/18



Khaled K. Abouelnaaj

Date: 4/24/2018