

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT6037179

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ASHOK SANTRA	04/10/2019
PETER J. BOUL	04/09/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ARAMCO SERVICES COMPANY
<b>Street Address:</b>	1200 SMITH STREET
<b>City:</b>	HOUSTON
<b>State/Country:</b>	TEXAS
<b>Postal Code:</b>	77002
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16832297
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(937)449-6405
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<b>Phone:</b>	9374496400
<b>Email:</b>	daytonipdocket@dinsmore.com
<b>Correspondent Name:</b>	DINSMORE & SHOHL, LLP
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<b>Address Line 4:</b>	DAYTON, OHIO 45402
<b>ATTORNEY DOCKET NUMBER:</b>	SA6243/SA 6243 PA
<b>NAME OF SUBMITTER:</b>	DELANEY M. DENTON
<b>SIGNATURE:</b>	/Delaney M. Denton/
<b>DATE SIGNED:</b>	03/30/2020
<b>Total Attachments: 4</b>	
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## ASSIGNMENT

WHEREAS, we, **Ashok Santra**, of The Woodlands, Texas, and **Peter J. Boul** of Houston, Texas, hereinafter called the *ASSIGNORS*, invented certain new and useful NANOCOMPOSITE COATED PROPPANTS AND METHODS OF MAKING SAME, for which the *ASSIGNORS* executed a United States Provisional Patent Application filed on April 17, 2019, under

Patent Application Serial No.: 62/835,133;  
Attorney Docket No.: SA6243/ASC:IP-18-277/SA 6243 MA;

WHEREAS, the *ASSIGNORS* hereby authorize and request the attorney(s) and/or agent(s) recording the present assignment, to insert above the filing date and application number of said application, when known;

WHEREAS, **Aramco Services Company**, a Company in the State of Texas, with a place of business at 1200 Smith Street, Two Allen Building, Houston, Texas 77002, hereinafter called the *ASSIGNEE*, is desirous of acquiring the entire right, title and interest in and to said application and the inventions therein disclosed and any letters patent that may issue thereon;

AND, WHEREAS, it is the intent of the *ASSIGNORS* to assign all rights, including but not limited to all substantive rights as well as the (future) right to claim priority and the right to be granted a patent in any and all PCT Contracting States to the above referenced application to the Assignee;

NOW, THEREFORE, in consideration of the sum of One Dollar (US \$1.00) or other good and valuable consideration, the receipt of which is hereby acknowledged, *ASSIGNORS* hereby sell, assign and transfer unto said *ASSIGNEE*, its successors and assigns, the entire right, title and interest, including the right to sue for past infringement, if any, and the right to claim priority, in and to said application, the inventions therein disclosed, and any improvements thereon, and in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possession, in any and all foreign countries, including without limit all PCT Contracting States, all GCC Member States, and in and to any and all divisions, continuations, substitutions, renewals, re-examination, extension and reissues thereof, and any other applications claiming priority thereto;

*ASSIGNORS* hereby authorize and request the Patent Office Officials in the United States and its territorial possessions, and in any and all foreign countries, to issue, when granted, any and all Letters Patents thereon, and reissues thereof, to said *ASSIGNEE* as the assignee of the entire right, title and interest in and to the same, for the sole use and behalf of said *ASSIGNEE* and said *ASSIGNEE's* successors and assigns, to the full end of the term for which said Letters Patents may be granted, as fully and entirely as the same would have been held by *ASSIGNORS* had this assignment and sale not been made; and

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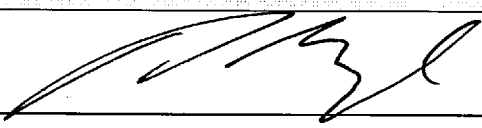
PATENT  
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*ASSIGNORS* hereby authorize said *ASSIGNEE*, its successors and assigns, to file in its own name applications for patent in foreign countries in connection with the inventions hereby transferred, under the International Convention claiming the priority of said United States application or otherwise, and to secure in its own name the patent or patents issued thereon; and

*ASSIGNORS* hereby does agree that, upon request, *ASSIGNORS* will sign all papers, and make all rightful oaths, and do all acts which said *ASSIGNEE*, its successors or assigns, may consider necessary in connection with said United States application, and in connection with any other United States or foreign applications that may be filed in connection with said inventions, and with any improvements thereon, and in connection with any patents issued or reissued thereon.

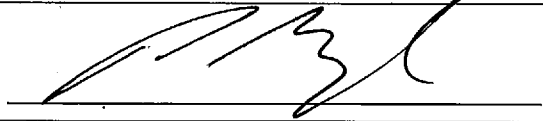
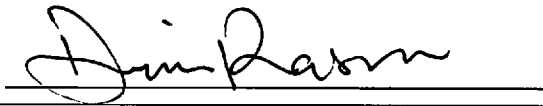
*ASSIGNORS*:

IN WITNESS WHEREOF, the *ASSIGNORS* have hereunto set his hand and seal.

<b>Inventor 1: Ashok Santra</b>	
Signed:	
Printed Name:	Ashok Santra
Date:	04/10/2019
<b>Witness:</b>	
Signed:	
Printed Name:	Peter Baul
Title:	Senior Lab Scientist

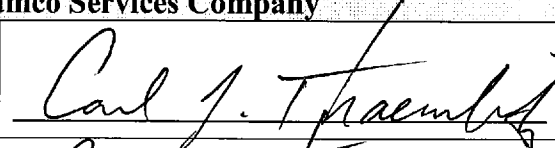

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**PATENT**  
**REEL: 052257 FRAME: 0516**

<b>Inventor 2: Peter J. Boul</b>	
Signed:	
Printed Name:	Peter Boul
Date:	April 9, 2019
<b>Witness:</b>	
Signed:	
Printed Name:	Diana Rasner
Title:	Technician

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[SA6243/ASC:IP-18-277/SA 6243 MA]

ASSIGNEE hereby accepts and receives this ASSIGNMENT.

<b>Assignee: Aramco Services Company</b>	
Signed:	
Printed Name:	Carl J. Thaelitz
Printed Title:	Drilling Technology Leader
Date:	4/9/19
<b>Witness:</b>	
Signed:	
Printed Name:	Peter Boul
Title:	Senior Lab Scientist

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