

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6005371

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT	
NATURE OF CONVEYANCE:	Corrective Assignment to correct the NAME OF ASSIGNOR previously recorded on Reel 050357 Frame 0390. Assignor(s) hereby confirms the CORRECT NAME OF THE ASSIGNOR IS SAUDI ARAMCO UPSTREAM TECHNOLOGY COMPANY.	
RESUBMIT DOCUMENT ID:	505848827	
CONVEYING PARTY DATA		
	Name	Execution Date
	SAUDI ARAMCO UPSTREAM TECHNOLOGY COMPANY	10/24/2019
RECEIVING PARTY DATA		
Name:	SAUDI ARABIAN OIL COMPANY	
Street Address:	P.O. BOX 5000	
City:	DHAHRAN	
State/Country:	SAUDI ARABIA	
Postal Code:	31311	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	16568693
CORRESPONDENCE DATA		
Fax Number:	(937)449-6405	
<i>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.</i>		
Phone:	937-449-6400	
Email:	daytonipdocket@dinsmore.com	
Correspondent Name:	DINSMORE & SHOHL LLP	
Address Line 1:	FIFTH THIRD CENTER, ONE SOUTH MAIN STREET	
Address Line 2:	SUITE 1300	
Address Line 4:	DAYTON, OHIO 45402-2023	
ATTORNEY DOCKET NUMBER:	SA6249/SA 6249 PA	
NAME OF SUBMITTER:	SARAH WILSON	
SIGNATURE:	/Sarah Wilson/	
DATE SIGNED:	03/10/2020	
Total Attachments: 10		
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UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

March 04, 2020

PTAS

DINSMORE & SHOHL LLP
FIFTH THIRD CENTER, ONE SOUTH MAIN
STREET
SUITE 1300
DAYTON, OH 45402-2023



505848827

United States Patent and Trademark Office Notice of Non-Recordation of an Assignment Document

The enclosed document has been examined and found non-recordable by the Assignment Recordation Branch of the U.S. Patent and Trademark Office. The reason(s) for non-recordation are stated below:

1. The document submitted to correct errors in the previously recorded document is not acceptable. To correct an error in the recorded document, you must file a new cover sheet stating the error and the nature of conveyance, attach the previously recorded cover sheet which contains the error and the supporting document and pay the recording fees as set forth in 37 C.F.R. §3.34

Documents being resubmitted for recordation must reflect the corrected information to be recorded, the Document ID number referenced above and all pages from this submitted document. The original date of filing of this assignment document will be maintained if resubmitted with the appropriate correction(s) by **Monday, May 4, 2020**, as outlined under 37 CFR 3.51. The resubmitted document must include a stamp with the official date of receipt under 37 CFR 3. Applicants may use the certified procedures under 37 CFR 1.8 or 1.10 for resubmission of the returned papers if they desire to have the benefit of the date of deposit in the United States Postal Service.

To file the resubmission electronically, navigate to the EPAS website at <http://epas.uspto.gov>, click the Start Resubmission button and enter the following information:

Document ID: 505848827
Access Code: I7IZWH3TVXT4Y8F

To file the resubmission in paper, send documents to: U.S. Patent and Trademark Office, Mail Stop: Assignment Recordation Branch, P.O. BOX 1450, Alexandria, VA 22313. If you have any questions regarding this notice, you may contact the Assignment Recordation Branch at 571-272-3350.

STEFANIE BRYCE
ASSIGNMENT RECORDATION BRANCH
PUBLIC RECORDS DIVISION

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT5895763

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT	
NATURE OF CONVEYANCE:	Corrective Assignment to correct the NAME OF THE ASSIGNOR previously recorded on Reel 050357 Frame 0390. Assignor(s) hereby confirms the CORRECT NAME OF THE ASSIGNOR IS SAUDI ARAMCO UPSTREAM TECHNOLOGY COMPANY.	
CONVEYING PARTY DATA		
Name		Execution Date
SAUDI ARAMCO UPSTREAM TECHNOLOGY COMPANY		10/24/2019
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Name:	SAUDI ARABIAN OIL COMPANY	
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City:	DHAHRAN	
State/Country:	SAUDI ARABIA	
Postal Code:	31311	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	16568693	
CORRESPONDENCE DATA		
Fax Number:	(937)449-6405	
<i>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.</i>		
Phone:	937-449-6400	
Email:	daytonipdocket@dinsmore.com	
Correspondent Name:	DINSMORE & SHOHL LLP	
Address Line 1:	FIFTH THIRD CENTER, ONE SOUTH MAIN STREET	
Address Line 2:	SUITE 1300	
Address Line 4:	DAYTON, OHIO 45402-2023	
ATTORNEY DOCKET NUMBER:	SA6249/SA 6249 PA	
NAME OF SUBMITTER:	SARAH WILSON	
SIGNATURE:	/Sarah Wilson/	
DATE SIGNED:	01/06/2020	
Total Attachments: 3		
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source=SA6249 - SAUTC to SAO General Assignment#page2.tif		
source=SA6249 - SAUTC to SAO General Assignment#page3.tif		

ASSIGNMENT

WHEREAS the inventors in the United States Patent Application identified below have assigned or are under an obligation to assign their entire right, title, and interest in and to the aforementioned patent application, and to all US or foreign patent applications claiming priority thereto (hereinafter the Patent Family), and the inventions therein described, to **Aramco Services Company**;

WHEREAS **Aramco Services Company**, a corporation of the State of Delaware, with a place of business at 1200 Smith Street, Two Allen Building, Houston, Texas 77002 has assigned or is under an obligation to assign its entire right, title, and interest in and to the Patent Family, and the inventions therein described, to **Saudi Aramco Upstream Technology Company**, a Limited Liability Company organized under the laws of the Kingdom of Saudi Arabia, with a business address of 1 Eastern Avenue, Dhahran 31311, Saudi Arabia;

WHEREAS, **Saudi Arabian Oil Company**, a corporation of Saudi Arabia, with a place of business at P.O. Box 5000, Dhahran 31311, Saudi Arabia (hereinafter referred to as *ASSIGNEE*) is desirous of acquiring the entire right, title and interest in and to the Patent Family, and the inventions therein described;

WHEREAS, it is the intent of **Saudi Aramco Upstream Technology Company** 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 *ASSIGNEE*;

AND WHEREAS, **Saudi Aramco Upstream Technology Company** hereby authorizes and requests the attorneys and/or agents recording the aforementioned ASSIGNMENT, to insert the application number, filing date, and attorney docket number of the United States Patent Application that is the subject of this ASSIGNMENT below;

<i>Application Data:</i>	
Application Number:	16/568,693
Filing Date:	September 12, 2019
Attorney Docket No.	SA6249/ASC:IP-18-283/SA 6249 PA

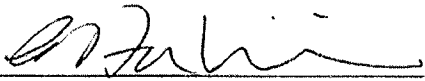
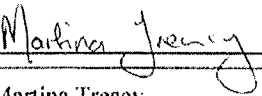
NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, **Saudi Aramco Upstream Technology Company** hereby sells, assigns, and transfers unto *ASSIGNEE*, its successors and assigns, the entire right, title and interest, including the right to sue for past infringement, 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;

Saudi Aramco Upstream Technology Company hereby authorizes and requests 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 *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 Saudi Aramco Upstream Technology Company had this assignment and sale not been made;

Saudi Aramco Upstream Technology Company hereby authorizes 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

Saudi Aramco Upstream Technology Company hereby does agree that, upon request, it 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.

IN WITNESS WHEREOF, for Saudi Aramco Upstream Technology Company:

Saudi Aramco Upstream Technology Company	
Signed:	
Printed Name:	Ashraf M. Al-Tahini
Title:	Chief Operating Officer of SAUTC
Date:	October 24, 2019
Witness:	
Signed:	
Printed Name:	Martina Treacy
Title:	Sr. Secretary, EXPEC ARC

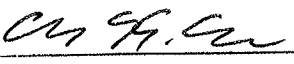
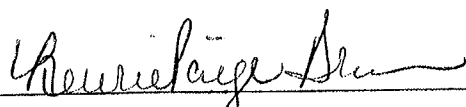
Acceptance of Assignment

WHEREAS, from time to time, *ASSIGNORS* named as inventors in particular United States Patent Applications filed on behalf of the Saudi Arabian Oil Company, a corporation of Saudi Arabia, with a place of business at P.O. Box 5000, Dhahran 31311, Kingdom of Saudi Arabia, hereinafter called the *ASSIGNEE*, including those inventors named in the ASSIGNMENT attached hereto, will assign particular rights in the patent application, and related patent applications, to the *ASSIGNEE*;

WHEREAS, the *ASSIGNEE* hereby authorizes and requests the attorneys and/or agents recording the aforementioned ASSIGNMENT, to insert the application number, filing date, and attorney docket number of the patent application that is the subject of the aforementioned ASSIGNMENT, below;

<i>Application Data:</i>	
Application Number:	16/568,693
Filing Date:	September 12, 2019
Attorney Docket No:	SA6249/ASC:IP-18-283/SA 6249 PA

AND, WHEREAS, ASSIGNEE hereby accepts and receives the aforementioned ASSIGNMENT upon execution by ASSIGNOR, which execution may precede or follow ASSIGNEE'S execution below:

<i>Assignee:</i>	
Signed:	
Printed Name:	Aaron K. Adkins
Title:	Assistant Corporate Secretary
Date:	September 9, 2018
<i>Witness:</i>	
Signed:	
Printed Name:	Laurie Paige Burns
Title:	Paralegal I
Date:	September 9, 2018



UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

SEPTEMBER 13, 2019

PTAS

DINSMORE & SHOHL LLP
FIFTH THIRD CENTER, ONE SOUTH MAIN
STREET
SUITE 1300
DAYTON, OH 45402-2023

505668743

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT RECORDATION BRANCH OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE ASSIGNMENT RECORDATION BRANCH AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT RECORDATION BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 09/12/2019

REEL/FRAME: 050357/0390
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

DOCKET NUMBER: SA6249/SA 6249 PA

ASSIGNOR:

SAUDI ARABIAN UPSTREAM TECHNOLOGY
COMPANY

DOC DATE: 05/19/2019

ASSIGNEE:

SAUDI ARABIAN OIL COMPANY
P.O. BOX 5000
DHAHRAN, SAUDI ARABIA 31311

APPLICATION NUMBER: 16568693

FILING DATE:

PATENT NUMBER:

ISSUE DATE:

TITLE: CHARGED COMPOSITE MATERIALS, METHODS OF SYNTHESIZING, AND
METHODS OF USE

ASSIGNMENT RECORDATION BRANCH
PUBLIC RECORDS DIVISION

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5715550

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
Name		Execution Date
SAUDI ARABIAN UPSTREAM TECHNOLOGY COMPANY		05/19/2019
RECEIVING PARTY DATA		
Name:	SAUDI ARABIAN OIL COMPANY	
Street Address:	P.O. BOX 5000	
City:	DHAHRAN	
State/Country:	SAUDI ARABIA	
Postal Code:	31311	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	16568693	
CORRESPONDENCE DATA		
Fax Number:	(937)449-6405	
<i>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.</i>		
Phone:	937-449-6400	
Email:	daytonipdocket@dinsmore.com	
Correspondent Name:	DINSMORE & SHOHL LLP	
Address Line 1:	FIFTH THIRD CENTER, ONE SOUTH MAIN STREET	
Address Line 2:	SUITE 1300	
Address Line 4:	DAYTON, OHIO 45402-2023	
ATTORNEY DOCKET NUMBER:	SA6249/SA 6249 PA	
NAME OF SUBMITTER:	SARAH WILSON	
SIGNATURE:	/Sarah Wilson/	
DATE SIGNED:	09/12/2019	
Total Attachments: 3		
source=Signed Assignment SAUTC to SAO#page1.tif		
source=Signed Assignment SAUTC to SAO#page2.tif		
source=Signed Assignment SAUTC to SAO#page3.tif		

ASSIGNMENT

WHEREAS the inventors in the United States Patent Application identified below have assigned or are under an obligation to assign their entire right, title, and interest in and to the aforementioned patent application, and to all US or foreign patent applications claiming priority thereto (hereinafter the Patent Family), and the inventions therein described, to **Aramco Services Company**;

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 has assigned or is under an obligation to assign its entire right, title, and interest in and to the aforementioned patent application, and to all US or foreign patent applications claiming priority thereto (hereinafter the Patent Family), and the inventions therein described, to **Saudi Arabian Upstream Technology Company**, a Limited Liability Company organized under the laws of the Kingdom of Saudi Arabia, 1 Eastern Avenue, Dhahran, Saudi Arabia 31311;

WHEREAS, **Saudi Arabian Oil Company**, a corporation of Saudi Arabia, with a place of business at P.O. Box 5000, Dhahran 31311, Kingdom of Saudi Arabia (hereinafter referred to as *ASSIGNEE*) is desirous of acquiring the entire right, title and interest in and to the Patent Family, and the inventions therein described;

WHEREAS, it is the intent of **Saudi Arabian Upstream Technology Company** 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 *ASSIGNEE*;

AND WHEREAS, the *ASSIGNEE* hereby authorizes and requests the attorneys and/or agents recording the aforementioned *ASSIGNMENT*, to insert the application number, filing date, and attorney docket number of the United States Patent Application that is the subject of this *ASSIGNMENT* below;

<i>Application Data:</i>	
Application Number:	62/730,990
Filing Date:	09/13/2018
Attorney Docket No.	SA6249/ASC:IP-18-283/SA 6249 MA


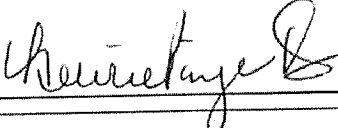
NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, **Saudi Arabian Upstream Technology Company** hereby sells, assigns, and transfers unto *ASSIGNEE*, its successors and assigns, the entire right, title and interest, including the right to sue for past infringement, 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;

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Saudi Arabian Upstream Technology Company hereby authorizes 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

Saudi Arabian Upstream Technology Company hereby does agree that, upon request, it 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.

IN WITNESS WHEREOF, for Saudi Arabian Upstream Technology Company:

Saudi Arabian Upstream Technology Company	
Signed:	
Printed Name:	Ahmed A. Eidan
Title:	Chief Operating Officer of SAUTC
Date:	May 19, 2019
Witness:	
Signed:	
Printed Name:	Laurie Paige Burns
Title:	May 19, 2019

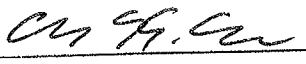
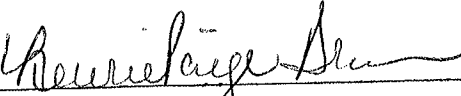
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Assignee:	
Signed:	
Printed Name:	Aaron K. Adkins
Title:	Assistant Corporate Secretary
Date:	September 9, 2018
Witness:	
Signed:	
Printed Name:	Laurie Paige Burns
Title:	Paralegal I
Date:	September 9, 2018