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| PATENT ASSIGNMENT COVER SHEET |
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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| ARAMCO SERVICES COMPANY | 08/13/2020 |
| RECEIVING PARTY DATA | |
| Name: | SAUDI ARAMCO UPSTREAM TECHNOLOGY COMPANY |
| Street Address: | 1 EASTERN AVENUE |
| City: | DHAHRAN |
| State/Country: | SAUDI ARABIA |
| Postal Code: | 31311 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 16990478 |
| CORRESPONDENCE DATA | |
| Fax Number: | |
| <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> | |
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| ATTORNEY DOCKET NUMBER: | 0004159.051432 (SA51432) |
| NAME OF SUBMITTER: | ESMERALDA MENDOZA |
| SIGNATURE: | /Yeon Jae Ko/ |
| DATE SIGNED: | 10/06/2020 |
| Total Attachments: 2 | |
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| source=SA51432_Assignment-ASC_to_SAUTC#page2.tif | |

ASSIGNMENT

WHEREAS, we, ARAMCO SERVICES COMPANY, a corporation of the State of Delaware, and having a principle address of 1200 Smith Street, Two Allen Building, Houston, Texas 77002, USA, hereafter "ARAMCO SERVICES" is the owner by mesne assignments of an invention entitled, **SURFACE CHARGE MODIFIED NANOSURFACTANTS FOR REDUCED RETENTION BY RESERVOIR ROCK**, and whereas, the assignee hereby authorizes and requests the attorneys and/or agents recording the aforementioned assignment, to insert the application number and filing date of the United States Patent Application that is the subject of this assignment below;

| <i>Application Data:</i> | |
|--------------------------|------------------------|
| Application Number | 16/990,478 |
| Filing Date | August 11, 2020 |

AND WHEREAS 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, hereafter "SAUTC", is desirous of acquiring the entire right, title and interest in and to the aforesaid invention and U.S. Patent Applications throughout the world, and all right, title, and interest in, to and under any and all Letters Patent of the United States and all other countries throughout the world;

NOW, THEREFORE, for and in consideration of benefits in hand provided by SAUTC and for other good and valuable considerations, the receipt of which is hereby acknowledged, ARAMCO SERVICES does hereby sell, assign, transfer and set over to SAUTC, all right, title and interest in and to the said invention throughout the world, and said application for U.S. Letters Patent, and any and all divisions, continuations, reexaminations and reissues thereof, and any and all Letters Patent of the United States and foreign countries which may be granted therefor, the same to be held and enjoyed by SAUTC for its own use and benefit, and for the use and benefit of its successors, assigns, or other legal representatives, to the end of the term or terms for which said Letters Patent of the United States or foreign countries are or may be granted, reexamined or reissued, as fully and entirely as the same would have been held and enjoyed by ARAMCO SERVICES if this assignment and sale had not been made.

And ARAMCO SERVICES hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States on said invention or resulting from said application and from any and all divisions, continuations, and reissues thereof, to SAUTC, as assignee of its entire interest.

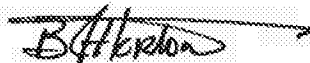
And ARAMCO SERVICES further hereby agrees that it will, at any time, upon request, execute and deliver any and all papers that may be necessary or desirable to perfect the title of said invention and to such Letters Patent as may be granted therefor, to SAUTC, its successors, assigns, or other legal representatives and that if SAUTC shall desire to file any divisional or continuation applications or to secure a reexamination or reissue of such Letters Patent, or to file a disclaimer relating thereto, will upon request, sign all papers, make all rightful oaths and do all lawful acts requisite for the filing of such divisional or continuation application, or such application for reissue and the procuring thereof, and for the filing of such disclaimer.

And ARAMCO SERVICES does further agree that it will, at any time upon request, communicate to SAUTC, its successors, assigns or other legal representatives, such facts relating to said invention and Letters Patent or the file history thereof as may be known to it or its employees, and testify as to the same in any interference or other litigation when requested so to do, without further compensation but at the expense of SAUTC, its successors, or other legal representatives.

EXECUTED

THIS 13th day of August, 2020

ARAMCO SERVICES COMPANY



BOBBY HORTON
General Counsel & Corporate Secretary
1200 Smith Street
Two Allen Building
Houston, Texas 77002 USA