

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
KI-HYOUK CHOI	10/29/2018
MAZIN M. FATHI	10/29/2018
MUNEEF F. ALQARZOUH	10/29/2018
BANDAR K. ALOTAIBI	10/29/2018
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:	17193982
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>	
Phone:	713-223-2300
Email:	docketing@bracewell.com
Correspondent Name:	BRACEWELL LLP
Address Line 1:	711 LOUISIANA STREET
Address Line 2:	SUITE 2300
Address Line 4:	HOUSTON, TEXAS 77002-2770
ATTORNEY DOCKET NUMBER:	0004159.051644 (SA51644)
NAME OF SUBMITTER:	ELEANOR L. TYSON
SIGNATURE:	/Eleanor L. Tyson/
DATE SIGNED:	03/05/2021
Total Attachments: 5	
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PATENT

REEL: 055512 FRAME: 0691

NON-PROVISIONAL ASSIGNMENT

WHEREAS, we, **Ki-Hyouk CHOI**, a citizen of Republic of Korea, **Mazin M. FATHI**, a citizen of Saudi Arabia, **Muneef F. ALQARZOUH**, a citizen of Saudi Arabia and **Bandar K. ALOTAIBI**, a citizen of Saudi Arabia, are the sole inventors of **UPGRADING OF HEAVY OIL FOR STEAM CRACKING PROCESS**, for which application for United States Letters Patent No. **16/159,271** was filed on **October 12, 2018**; and

WHEREAS, **SAUDI ARABIAN OIL COMPANY**, a Company with Limited Liability of Saudi Arabia, with a business address of 1 Eastern Avenue, Dhahran 31311, Saudi Arabia, hereafter "**SAUDI ARAMCO**," is desirous of acquiring the entire right, title and interest in and to the aforesaid invention 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 the sum of One Dollar (\$1.00) to me in hand paid by **SAUDI ARAMCO** and for other good and valuable considerations, the receipt of which is hereby acknowledged, I hereby sell, assign, transfer and set over to **SAUDI ARAMCO**, 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 them for their own use and benefit, and for the use and benefit of their 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 me if this assignment and sale had not been made.

And I 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 **SAUDI ARAMCO**, as assignee of our entire interest, and hereby covenant that I have the full right to convey the entire interest herein assigned, and that I have not executed and will not execute any agreement in conflict herewith.

And I further hereby covenant and agree that I 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 SAUDI ARAMCO, its successors, assigns, or other legal representatives and that if SAUDI ARAMCO 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, without further compensation but at the expense of said assignee, its successors, or other legal representatives.

And I do further covenant and agree that I will, at any time upon request, communicate to SAUDI ARAMCO, 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 me, 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 said assignee, its successors, or other legal representatives.

EXECUTED THIS 29 day of October, 2018.



Ki-Hyouk CHOI

EXECUTED THIS 29 day of October, 2018.


Mazin M. FATHI

EXECUTED THIS 29 day of October, 2018.

A handwritten signature in dark ink, appearing to read 'Muneef F. Alqarzouh', is written over a horizontal dotted line.

Muneef F. ALQARZOUH

EXECUTED THIS 29 day of October, 2018.


Bandar K. ALOTAIBI