

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT7777674

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MANSOUR ALI AL-HERZ	01/19/2023
ALI AL JAWAD	01/18/2023
QI XU	01/18/2023
AARON AKAH	01/18/2023
MUSAED SALEM AL-GHRAMI	01/18/2023
LIANHUI DING	01/18/2023
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:	18163349
CORRESPONDENCE DATA	
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<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:	SA6936PA/77097.6936
NAME OF SUBMITTER:	MARY KAY DARR
SIGNATURE:	/Mary Kay Darr/
DATE SIGNED:	02/03/2023

Total Attachments: 8

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ASSIGNMENT

WHEREAS, we, **Mansour Ali Al-Herz** of Al-Ahsa, Saudi Arabia, **Ali Al Jawad** of Al-Qatif, Saudi Arabia, **Qi Xu** of Dhahran, Saudi Arabia, **Aaron Akah** of Dhahran, Saudi Arabia, **Musaed Salem Al-Ghrami** of Dammam, Saudi Arabia, and **Lianhui Ding** of Dhahran, Saudi Arabia, hereinafter called the *ASSIGNORS*, invented certain new and useful MULTI-ZONE CATALYTIC CRACKING OF CRUDE OILS, for which the *ASSIGNORS* executed a United States Non-Provisional Patent Application, filed on February 2, 2023, under

Patent Application Serial No.: 18/163,349;

Attorney Docket No.: SA6936/SA 6936 PA;

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, **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*, 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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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

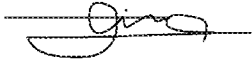
ASSIGNORS hereby does agree that, upon request, *ASSIGNORS* will sign all papers, and make all rightful oaths, and do all acts which said *ASSIGNEE*, its successors or assigns, may consider necessary in connection with said United States application, and in connection with any other United States or 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.

<i>Inventor I: Mansour Ali Al-Herz</i>	
Signed:	
Date:	01/19/2023


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<i>Inventor 2: Ali Al Jawad</i>	
Signed:	
Date:	Jan 18, 2023


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<i>Inventor 3: Qi Xu</i>	
Signed:	 Type text here
Date:	Jan 18, 2023

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<i>Inventor 4: Aaron Akah</i>	
Signed:	 _____
Date:	01/18/2023

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<i>Inventor 5: Musaed Salem Al-Ghrami</i>	
Signed:	 _____
Date:	January, 18, 2023

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<i>Inventor 6: Lianhui Ding</i>	
Signed:	<u>lianhui ding</u>
Date:	Jan.18, 2023

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PATENT
REEL: 062581 FRAME: 0770



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:	18/163,349
Filing Date:	February 2, 2023
Attorney Docket No:	SA6936/SA 6936 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:	Kwadjo S. Adusei-Poku
Title:	Chief IP Counsel
Date:	7/5/2022
<i>Witness:</i>	
Signed:	
Printed Name:	Laurie Paige Burns
Title:	Paralegal
Date:	7/5/2022