

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6798805

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
KAREEMUDDIN SHAIK	05/03/2021
ESSAM ABDULLAH AL-SAYED	04/20/2021
MAZIN TAMIMI	06/22/2021
IBRAHIM ABBA	05/10/2021
SAMI BARNAWI	05/01/2021
RECEIVING PARTY DATA	
Name:	SAUDI ARAMCO TECHNOLOGIES COMPANY
Street Address:	P.O. BOX 62
City:	DHAHRAN
State/Country:	SAUDI ARABIA
Postal Code:	31311
PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	62819229
Application Number:	16820242
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>	
Email:	kingery@obwbip.com
Correspondent Name:	ARON T. GRIFFITH
Address Line 1:	909 FANNIN ST.
Address Line 2:	SUITE 3500
Address Line 4:	HOUSTON, TEXAS 77010
ATTORNEY DOCKET NUMBER:	17421-203002
NAME OF SUBMITTER:	ARON T. GRIFFITH
SIGNATURE:	/ARON T. GRIFFITH/
DATE SIGNED:	07/06/2021
Total Attachments: 10	

source=203assignSA#page1.tif
source=203assignSA#page2.tif
source=203assignSA#page3.tif
source=203assignSA#page4.tif
source=203assignSA#page5.tif
source=203assignSA#page6.tif
source=203assignSA#page7.tif
source=203assignSA#page8.tif
source=203assignSA#page9.tif
source=203assignSA#page10.tif

ASSIGNMENT – WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned individual(s) (referred to herein as the “INVENTOR(S)”) hereby assign, transfer, and set over to:

Saudi Aramco Technologies Company

having the following address:

P.O. Box 62
Dhahran 31311
Kingdom of Saudi Arabia

(referred to herein as “COMPANY”), its successors, and assigns, the entire right, title, and interest, worldwide, in and to the invention known by the following title (referred to herein as “INVENTION”):

CONFIGURATION FOR OLEFINS PRODUCTION

for which the INVENTOR(S) or COMPANY has/have made an application for patent in the United States of America, together with said patent application, all divisions, continuations, continuations-in-part, reissues, and extensions thereof, and all Letters Patent (domestic and foreign) that may be granted therefor. Such interest represents the entire ownership of said applications and Letters Patent when granted and is to be owned by COMPANY, its successors, and assigns, or their legal representatives, for the full and entire term for which such Letters Patent may be granted or extended, as fully and entirely as the same would have been enjoyed by the INVENTOR(S) if this assignment had not been made.

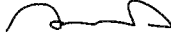
In addition, the undersigned INVENTOR(S) each hereby agrees:

1. To sign and execute any further documents that may be necessary or desirable, lawful, and proper in connection with the prosecution of all applications for patent(s) on the INVENTION in the United States, including without limitation said application and all divisions, continuations, continuations-in-part, amendments thereof, and all interference proceedings associated therewith, or otherwise necessary or desirable to secure the title thereto to COMPANY;
2. To execute all papers and documents and to perform all lawful acts that may be necessary in connection with claims to priority or otherwise under the International Convention for the Protection of Industrial Property or similar treaties or agreements;
3. To perform all lawful affirmative acts that may be necessary to obtain the grant of valid and enforceable patents to COMPANY.

The undersigned INVENTOR(S) each hereby authorizes and requests the Commissioner of Patents and Trademarks in the United States to issue any and all Letters Patent resulting from said application, including without limitation any division, continuation, continuation-in-part, or reissue thereof to COMPANY.

The undersigned INVENTOR(S) each hereby grants to the firm of OSHA LIANG LLP the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for the recordation of this document.

IN WITNESS WHEREOF, this Assignment has been executed by each of the undersigned INVENTOR(S) on the date appearing by such individual's signature:

<u>05/03/2021</u> Date	2nd Inventor Signature: <u></u> Print or Type Name: <u>Kareemuddin SHAIK</u>
 Date	4th Inventor Signature: _____ Print or Type Name: <u>Essam Abdullah AL-SAYED</u>
 Date	6th Inventor Signature: _____ Print or Type Name: <u>Mazin TAMIMI</u>
 Date	8th Inventor Signature: _____ Print or Type Name: <u>Ibrahim ABBA</u>
 Date	10th Inventor Signature: _____ Print or Type Name: <u>Sami BARNAWI</u>

When this Assignment is not filed concurrently with the patent application,
the following identifying information may be added after execution:

U.S. Application Serial No.: 62/819,229

Filing Date: March 15, 2019

PATENT

REF: 056766 FRAME: 0526

ASSIGNMENT – WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned individual(s) (referred to herein as the “INVENTOR(S)”) hereby assign, transfer, and set over to:

Saudi Aramco Technologies Company

having the following address:

P.O. Box 62
Dhahran 31311
Kingdom of Saudi Arabia

(referred to herein as “COMPANY”), its successors, and assigns, the entire right, title, and interest, worldwide, in and to the invention known by the following title (referred to herein as “INVENTION”):

CONFIGURATION FOR OLEFINS PRODUCTION

for which the INVENTOR(S) or COMPANY has/have made an application for patent in the United States of America, together with said patent application, all divisions, continuations, continuations-in-part, reissues, and extensions thereof, and all Letters Patent (domestic and foreign) that may be granted therefor. Such interest represents the entire ownership of said applications and Letters Patent when granted and is to be owned by COMPANY, its successors, and assigns, or their legal representatives, for the full and entire term for which such Letters Patent may be granted or extended, as fully and entirely as the same would have been enjoyed by the INVENTOR(S) if this assignment had not been made.

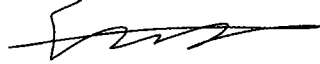
In addition, the undersigned INVENTOR(S) each hereby agrees:

1. To sign and execute any further documents that may be necessary or desirable, lawful, and proper in connection with the prosecution of all applications for patent(s) on the INVENTION in the United States, including without limitation said application and all divisions, continuations, continuations-in-part, amendments thereof, and all interference proceedings associated therewith, or otherwise necessary or desirable to secure the title thereto to COMPANY;
2. To execute all papers and documents and to perform all lawful acts that may be necessary in connection with claims to priority or otherwise under the International Convention for the Protection of Industrial Property or similar treaties or agreements;
3. To perform all lawful affirmative acts that may be necessary to obtain the grant of valid and enforceable patents to COMPANY.

The undersigned INVENTOR(S) each hereby authorizes and requests the Commissioner of Patents and Trademarks in the United States to issue any and all Letters Patent resulting from said application, including without limitation any division, continuation, continuation-in-part, or reissue thereof to COMPANY.

The undersigned INVENTOR(S) each hereby grants to the firm of OSHA LIANG LLP the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for the recordation of this document.

IN WITNESS WHEREOF, this Assignment has been executed by each of the undersigned INVENTOR(S) on the date appearing by such individual's signature:

_____	2 nd Inventor Signature: _____
Date	Print or Type Name: Kareemuddin SHAIK
04/20/2021	
_____	4 th Inventor Signature: 
Date	Print or Type Name: Essam Abdullah AL-SAYED
_____	6 th Inventor Signature: _____
Date	Print or Type Name: Mazin TAMIMI
_____	8 th Inventor Signature: _____
Date	Print or Type Name: Ibrahim ABBA
_____	10 th Inventor Signature: _____
Date	Print or Type Name: Sami BARNAWI

When this Assignment is not filed concurrently with the patent application,
the following identifying information may be added after execution:

U.S. Application Serial No.: 62/819,229

Filing Date: March 15, 2019

PATENT

REF: 056766 FRAME: 0528

ASSIGNMENT – WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned individual(s) (referred to herein as the “INVENTOR(S)”) hereby assign, transfer, and set over to:

Saudi Aramco Technologies Company

having the following address:

P.O. Box 62
Dhahran 31311
Kingdom of Saudi Arabia

(referred to herein as “COMPANY”), its successors, and assigns, the entire right, title, and interest, worldwide, in and to the invention known by the following title (referred to herein as “INVENTION”):

CONFIGURATION FOR OLEFINS PRODUCTION

for which the INVENTOR(S) or COMPANY has/have made an application for patent in the United States of America, together with said patent application, all divisions, continuations, continuations-in-part, reissues, and extensions thereof, and all Letters Patent (domestic and foreign) that may be granted therefor. Such interest represents the entire ownership of said applications and Letters Patent when granted and is to be owned by COMPANY, its successors, and assigns, or their legal representatives, for the full and entire term for which such Letters Patent may be granted or extended, as fully and entirely as the same would have been enjoyed by the INVENTOR(S) if this assignment had not been made.

In addition, the undersigned INVENTOR(S) each hereby agrees:

1. To sign and execute any further documents that may be necessary or desirable, lawful, and proper in connection with the prosecution of all applications for patent(s) on the INVENTION in the United States, including without limitation said application and all divisions, continuations, continuations-in-part, amendments thereof, and all interference proceedings associated therewith, or otherwise necessary or desirable to secure the title thereto to COMPANY;
2. To execute all papers and documents and to perform all lawful acts that may be necessary in connection with claims to priority or otherwise under the International Convention for the Protection of Industrial Property or similar treaties or agreements;
3. To perform all lawful affirmative acts that may be necessary to obtain the grant of valid and enforceable patents to COMPANY.

The undersigned INVENTOR(S) each hereby authorizes and requests the Commissioner of Patents and Trademarks in the United States to issue any and all Letters Patent resulting from said application, including without limitation any division, continuation, continuation-in-part, or reissue thereof to COMPANY.

The undersigned INVENTOR(S) each hereby grants to the firm of OSHA LIANG LLP the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for the recordation of this document.

IN WITNESS WHEREOF, this Assignment has been executed by each of the undersigned INVENTOR(S) on the date appearing by such individual's signature:

_____	2 nd Inventor Signature: _____
Date	Print or Type Name: Kareemuddin SHAIK
_____	4 th Inventor Signature: _____
Date	Print or Type Name: Essam Abdullah AL-SAYED
6-22-2021	6 th Inventor Signature: <i>Mazin Tamimi</i>
Date	Print or Type Name: Mazin TAMIMI
_____	8 th Inventor Signature: _____
Date	Print or Type Name: Ibrahim ABBA
_____	10 th Inventor Signature: _____
Date	Print or Type Name: Sami BARNAWI

When this Assignment is not filed concurrently with the patent application, the following identifying information may be added after execution:

U.S. Application Serial No.: 62/819,229

Filing Date: March 15, 2019

PATENT

REEL: 056766 FRAME: 0530

ASSIGNMENT – WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned individual(s) (referred to herein as the "INVENTOR(S)") hereby assign, transfer, and set over to:

Saudi Aramco Technologies Company
having the following address:

P.O. Box 62
Dhahran 31311
Kingdom of Saudi Arabia

(referred to herein as "COMPANY"), its successors, and assigns, the entire right, title, and interest, worldwide, in and to the invention known by the following title (referred to herein as "INVENTION"):

CONFIGURATION FOR OLEFINS PRODUCTION

for which the INVENTOR(S) or COMPANY has/have made an application for patent in the United States of America, together with said patent application, all divisions, continuations, continuations-in-part, reissues, and extensions thereof, and all Letters Patent (domestic and foreign) that may be granted therefor. Such interest represents the entire ownership of said applications and Letters Patent when granted and is to be owned by COMPANY, its successors, and assigns, or their legal representatives, for the full and entire term for which such Letters Patent may be granted or extended, as fully and entirely as the same would have been enjoyed by the INVENTOR(S) if this assignment had not been made.

In addition, the undersigned INVENTOR(S) each hereby agrees:

1. To sign and execute any further documents that may be necessary or desirable, lawful, and proper in connection with the prosecution of all applications for patent(s) on the INVENTION in the United States, including without limitation said application and all divisions, continuations, continuations-in-part, amendments thereof, and all interference proceedings associated therewith, or otherwise necessary or desirable to secure the title thereto to COMPANY;
2. To execute all papers and documents and to perform all lawful acts that may be necessary in connection with claims to priority or otherwise under the International Convention for the Protection of Industrial Property or similar treaties or agreements;
3. To perform all lawful affirmative acts that may be necessary to obtain the grant of valid and enforceable patents to COMPANY.

The undersigned INVENTOR(S) each hereby authorizes and requests the Commissioner of Patents and Trademarks in the United States to issue any and all Letters Patent resulting from said application, including without limitation any division, continuation, continuation-in-part, or reissue thereof to COMPANY.

The undersigned INVENTOR(S) each hereby grants to the firm of OSHA LIANG LLP the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for the recordation of this document.

OSHALIANG

Intellectual Property Law

IN WITNESS WHEREOF, this Assignment has been executed by each of the undersigned INVENTOR(S) on the date appearing by such individual's signature:

_____	2 nd Inventor Signature: _____
Date	Print or Type Name: Kareemuddin SHAIK
_____	4 th Inventor Signature: _____
Date	Print or Type Name: Essam Abdullah AL-SAYED
_____	6 th Inventor Signature: _____
Date	Print or Type Name: Mazin TAMIMI
05/10/2021	8 th Inventor Signature: _____
Date	Print or Type Name: Ibrahim ABBA
_____	10 th Inventor Signature: _____
Date	Print or Type Name: Sami BARNAWI

When this Assignment is not filed concurrently with the patent application,
the following identifying information may be added after execution:

U.S. Application Serial No.: 62/819,229

Filing Date: March 15, 2019

Saudi Aramco

PATENT

REEL: 056766 FRAME: 0532

ASSIGNMENT – WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned individual(s) (referred to herein as the “INVENTOR(S)”) hereby assign, transfer, and set over to:

Saudi Aramco Technologies Company

having the following address:

P.O. Box 62
Dhahran 31311
Kingdom of Saudi Arabia

(referred to herein as “COMPANY”), its successors, and assigns, the entire right, title, and interest, worldwide, in and to the invention known by the following title (referred to herein as “INVENTION”):

CONFIGURATION FOR OLEFINS PRODUCTION

for which the INVENTOR(S) or COMPANY has/have made an application for patent in the United States of America, together with said patent application, all divisions, continuations, continuations-in-part, reissues, and extensions thereof, and all Letters Patent (domestic and foreign) that may be granted therefor. Such interest represents the entire ownership of said applications and Letters Patent when granted and is to be owned by COMPANY, its successors, and assigns, or their legal representatives, for the full and entire term for which such Letters Patent may be granted or extended, as fully and entirely as the same would have been enjoyed by the INVENTOR(S) if this assignment had not been made.

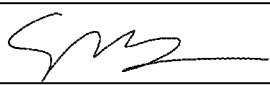
In addition, the undersigned INVENTOR(S) each hereby agrees:

1. To sign and execute any further documents that may be necessary or desirable, lawful, and proper in connection with the prosecution of all applications for patent(s) on the INVENTION in the United States, including without limitation said application and all divisions, continuations, continuations-in-part, amendments thereof, and all interference proceedings associated therewith, or otherwise necessary or desirable to secure the title thereto to COMPANY;
2. To execute all papers and documents and to perform all lawful acts that may be necessary in connection with claims to priority or otherwise under the International Convention for the Protection of Industrial Property or similar treaties or agreements;
3. To perform all lawful affirmative acts that may be necessary to obtain the grant of valid and enforceable patents to COMPANY.

The undersigned INVENTOR(S) each hereby authorizes and requests the Commissioner of Patents and Trademarks in the United States to issue any and all Letters Patent resulting from said application, including without limitation any division, continuation, continuation-in-part, or reissue thereof to COMPANY.

The undersigned INVENTOR(S) each hereby grants to the firm of OSHA LIANG LLP the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for the recordation of this document.

IN WITNESS WHEREOF, this Assignment has been executed by each of the undersigned INVENTOR(S) on the date appearing by such individual's signature:

_____	2 nd Inventor Signature: _____
Date	Print or Type Name: <u>Kareemuddin SHAIK</u>
_____	4 th Inventor Signature: _____
Date	Print or Type Name: <u>Essam Abdullah AL-SAYED</u>
_____	6 th Inventor Signature: _____
Date	Print or Type Name: <u>Mazin TAMIMI</u>
_____	8 th Inventor Signature: _____
Date	Print or Type Name: <u>Ibrahim ABBA</u>
<u>5/1/2021</u>	10 th Inventor Signature: 
Date	Print or Type Name: <u>Sami BARNAWI</u>

When this Assignment is not filed concurrently with the patent application,
the following identifying information may be added after execution:

U.S. Application Serial No.: 62/819,229

Filing Date: March 15, 2019

PATENT