

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT7562316

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
BONG-KYU CHANG	12/14/2021
HYE-KYUNG CHO TIMKEN	12/14/2021
MICHELLE K. YOUNG	12/21/2021
CONG-YAN CHEN	12/14/2021
STEPHEN JOSEPH MILLER	12/20/2021
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	CHEVRON U.S.A. INC.
<b>Street Address:</b>	6001 BOLLINGER CANYON ROAD
<b>Internal Address:</b>	P.O. BOX 6006
<b>City:</b>	SAN RAMON
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94583-0806
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	17954486
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>	
<b>Phone:</b>	925 842-1536
<b>Email:</b>	patents@chevron.com
<b>Correspondent Name:</b>	CHEVRON CORPORATION
<b>Address Line 1:</b>	P.O. BOX 6006
<b>Address Line 4:</b>	SAN RAMON, CALIFORNIA 94583-0806
<b>ATTORNEY DOCKET NUMBER:</b>	T-11523
<b>NAME OF SUBMITTER:</b>	TERRENCE M. FLAHERTY
<b>SIGNATURE:</b>	/Terrence M. Flaherty/
<b>DATE SIGNED:</b>	09/28/2022
<b>Total Attachments: 7</b>	

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## ASSIGNMENT

**TITLE: IONIC LIQUID ALKYLATION OF ISOBUTANE WITH BIO-ETHYLENE TO PRODUCE ALKYLATE**

This assignment is directed to:

United States Application Number 63/289,703 filed on December 15, 2021,<sup>1</sup> and  
PCT International Application Number \_\_\_\_\_ filed on \_\_\_\_\_,<sup>1</sup>

WHEREAS, the undersigned has invented new and useful improvements in the described application(s) identified.

WHEREAS, *CHEVRON U.S.A. INC.*, a corporation organized and existing under and by virtue of the laws of the Commonwealth of Pennsylvania, and having a regular and established place of business at San Ramon, State of California, is desirous of acquiring the entire right, title and interest in and to said invention, said application(s), and in and to the Letters Patent, Utility Models, and Inventors' Certificates to be granted and issued thereof in the United States of America and in any and all countries foreign thereto:

NOW, THEREFORE, for a valuable consideration, the receipt of which is hereby acknowledged, I / We, hereby sell, assign, transfer and set over unto said *CHEVRON U.S.A. INC.*, its successors and assigns, the entire right, title and interest in and to said invention, said application, including all priority rights associated with said application under provisions of international conventions, treaties, or otherwise, and all divisions, continuations, reexaminations, and reissues thereof, and in and to all Letters Patent, Utility Models, and Inventors' Certificates to be granted and issued therefore and all reexamination certificates, reissues and extensions thereof, not only for, to and in the United States of America, but for, to and in all other countries (*collectively referred to herein as INVENTION, PATENTS, AND PATENT APPLICATIONS*). The aforesaid assignment includes the right in and to all income, royalties, damages and payments now or hereafter due or payable with respect to any Letters Patent, Utility Models, and Inventors' Certificates which may be granted in the United States of America and in any and all countries foreign thereto, and in and to all causes of action (either in law or in equity), and the right to sue, counterclaim, and recover for past, present and future infringement of the rights assigned or to be assigned under this Assignment, as fully and entirely as the same would have been held and enjoyed by Assignors if this sale and assignment had not been made;

- 1) Each undersigned agrees to execute all papers necessary in connection with any application and/or patent for the invention and also to execute separate assignments in connection with such applications and patents as the Assignee may deem necessary.
- 2) Each undersigned agrees to execute all papers necessary in connection with any interference or post-grant proceeding which may be declared concerning any application or patent for the invention and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or post-grant proceeding.

<sup>1</sup> The hereinafter named assignee being authorized to insert said Serial Number and filing date when ascertained.

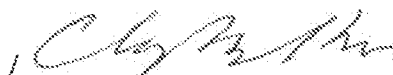
Title: IONIC LIQUID ALKYLATION OF ISOBUTANE WITH BIO-ETHYLENE TO PRODUCE ALKYLATE  
Attorney Docket No.: T-11523

- 3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.
- 4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignee.
- 5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office to issue any and all patents resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he or she has full right to convey the entire interest herein assigned, and that he or she has not executed, and will not execute, any agreement(s) in conflict herewith, and agrees that this assignment is binding on Assignor and Assignor's heirs, successors, assigns and legal representatives.
- 6) Each undersigned hereby grants the Assignee 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 recordation of this document.

and I / We hereby covenant that we have full right to convey the entire interest herein assigned, and I / We have not executed, and will not execute, any agreement in conflict herewith and that the rights assigned herein are not otherwise encumbered by any grant, license or right;

and I / We hereby further covenant and agree that we will communicate to said Assignee, its successors, legal representatives and assigns, any facts known to us respecting said inventions and discoveries; and furthermore, upon request, without additional compensation but at no expense to me / us, testify in any interference or legal proceedings involving said inventions, and sign any applications for reissue, division, continuation, continuation-in-part, renewal, substitute or extension thereof.


In witness whereof, I / We have signed my / our name(s) on the date set forth below.

Inventor Signature:  / Date: 12/14/2021  
Inventor Name: BONG-KYU CHANG

Witness Signature:  / Date: 12/14/2021  
Witness Name: Mark A. Fernandez

Title: IONIC LIQUID ALKYLATION OF ISOBUTANE WITH BIO-ETHYLENE TO PRODUCE ALKYLATE  
Attorney Docket No.: T-11523

Inventor Signature:  Date: 12/14/2021  
Inventor Name: HYE-KYUNG CHO TIMKEN

Witness Signature:  Date: 12/14/2021  
Witness Name: MARK B. FOWLER

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Title: IONIC LIQUID ALKYLATION OF ISOBUTANE WITH BIO-ETHYLENE TO PRODUCE ALKYLATE  
Attorney Docket No.: T-11523

Inventor Signature:

Michelle K Young

Date:

12/21/21

Inventor Name:

MICHELLE K. YOUNG

Witness Signature:

James Young

Date:

12/21/21

Witness Name:

James Young

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PATENT

REEL: 061238 FRAME: 0754

Title: IONIC LIQUID ALKYLATION OF ISOBUTANE WITH BIO-ETHYLENE TO PRODUCE ALKYLATE  
Attorney Docket No.: T-11523

Inventor Signature: \_\_\_\_\_

Inventor Name: \_\_\_\_\_

CONG-YAN CHEN

Date: \_\_\_\_\_

12/14/2021

Witness Signature: \_\_\_\_\_

Witness Name: \_\_\_\_\_

Bi-Zeng Zhan

Date: \_\_\_\_\_

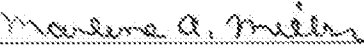
12/14/2021

Bi-Zeng Zhan

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Title: IONIC LIQUID ALKYLATION OF ISOBUTANE WITH BIO-ETHYLENE TO PRODUCE ALKYLATE  
Attorney Docket No.: T-11523

Inventor Signature:  Date: 12/20/21  
Inventor Name: STEPHEN JOSEPH MILLER

Witness Signature:  Date: 12/20/21  
Witness Name: Marlene A. Miller

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Title: IONIC LIQUID ALKYLATION OF ISOBUTANE WITH BIO-ETHYLENE TO PRODUCE ALKYLATE  
Attorney Docket No.: T-11523

ASSIGNEE hereby acknowledges receipt of the entire right, title and interest in and to the  
INVENTION, PATENTS, AND PATENT APPLICATIONS.

**CHEVRON U.S.A. INC. (Assignee)**

Signature: /  /  
DocuSigned by:  
D3BFFA8D3EBDA1C...

Name: Scott M. Banks

Title: Assistant Secretary