505974179 03/18/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6020887

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------|----------------|
| MAJID KEYVANI | 07/02/2018 |

RECEIVING PARTY DATA

| Name: | LYONDELL CHEMICAL TECHNOLOGY, L.P. | |
|-----------------|------------------------------------|--|
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| Postal Code: | 77010 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 16823006 |

CORRESPONDENCE DATA

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| ATTORNEY DOCKET NUMBER: | HC7045 D1 |
|-------------------------|-------------------|
| NAME OF SUBMITTER: | LESLIE STREETER |
| SIGNATURE: | /Leslie Streeter/ |
| DATE SIGNED: | 03/18/2020 |

Total Attachments: 2

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PATENT 505974179 REEL: 052156 FRAME: 0843

ASSIGNMENT OF PROVISIONAL APPLICATION

WHEREAS,

Inventor, Majid Keyvani, 1221 McKinney Street, Suite 700, Houston, TX 77010

(hereinafter referred to as ASSIGNOR), has invented a certain invention entitled METHODS AND APPARATUSES FOR PURIFYING CRUDE PROPANE for which a provisional patent application of the United States was filed on <u>April 25, 2018</u> under Serial No. 62/662,567,

WHEREAS, ASSIGNOR assigned to:

Lyondell Chemical Technology, L.P. Lyondell Basell Tower 1221 McKinney Street, Suite 700 Houston, Texas 77010 United States of America

(hereinafter referred to as ASSIGNEE), the subject invention in a Previous Assignment executed on September 16, 2016, the Previous Assignment referencing Invention Disclosure No. HC032/16, and

WHEREAS, ASSIGNEE wishes to obtain a reconfirmation of the Previous Assignment and is desirous of acquiring, to the extent not already assigned by the Previous Assignment, the entire interest in, to and under said invention and in, to and under Letters Patent or similar legal protection to be obtained therefore in the United States and in any and all foreign countries.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR hereby reconfirms the Previous Assignment and, to the extent not already assigned by the Previous Assignment, hereby sells, assigns and transfers to ASSIGNEE the full and exclusive right, title and interest to said invention in the United States and its territorial possessions and in all foreign countries and to all Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention by said application or any continuation, division, renewal, substitute or reissue thereof or any legal equivalent thereof in a foreign country for the full term or terms for which the same may be granted.

ASSIGNOR hereby covenants that no assignment, sale, agreement, or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

PATENT REEL: 052156 FRAME: 0844 ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

ASSIGNOR grants ASSIGNEE permission to complete the filing date and Serial No. upon receipt of such information, including after signature by ASSIGNOR.

Signature of Inventor:

Majid Keyvani

7/2/2018