# 504100523 11/17/2016

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
SANDOR NAGY	10/18/2016
BARBARA KIMMICH	10/31/2016
XUEYONG YANG	10/26/2016
JENNY M. ORAN OSMENT	10/25/2016
DEBRA L. JACKSON	10/10/2016

#### **RECEIVING PARTY DATA**

Name:	LYONDELL CHEMICAL TECHNOLOGY, L.P.
Street Address:	1221 MCKINNEY STREET, SUITE 700
City:	HOUSTON
State/Country:	TEXAS
Postal Code:	77010

## **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15353998

### **CORRESPONDENCE DATA**

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Address Line 2: LEGAL IP DEPARTMENT
Address Line 4: HOUSTON, TEXAS 77010

ATTORNEY DOCKET NUMBER:	HC6894
NAME OF SUBMITTER:	BRANDON N. HUDDER
SIGNATURE:	/Brandon N. Hudder/
DATE SIGNED:	11/17/2016
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**Total Attachments: 8** 

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### ASSIGNMENT OF PROVISIONAL APPLICATION

#### WHEREAS:

Inventor, Sandor Nagy, 1221 McKinney Street, Suite 700, Houston, TX 77010

(hereinafter referred to as ASSIGNOR), has invented a certain invention entitled CATALYSTS CONTAINING SPECIFIC TITANIUM POLYMORPHIC FORMS, for which a provisional patent application of the United States was filed on <u>December 2</u>, 2015, under Serial No. 62/262,089.

WHEREAS, ASSIGNOR, assigned to:

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

(hereinafter referred to as ASSIGNEE), the subject invention in the Previous Assignment executed on February 13, 2014 for Invention Disclosure No. HC014/14, and the Previous Assignment executed on April 16, 2014 for Invention Disclosure No. HC023/14.

WHEREAS, ASSIGNEE wishes to obtain a reconfirmation of the Previous Assignments and is desirous of acquiring, to the extent not already assigned by the Previous Assignments, 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 Assignments and, to the extent not already assigned by the Previous Assignments, 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.

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.

Full Name of Inventor:

Sandar Nami

Oct. 18, 2016

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# ASSIGNMENT OF PROVISIONAL APPLICATION

### WHEREAS:

Inventor, Barbara Kimmich, 1221 McKinney Street, Suite 700, Houston, TX 77010

(hereinafter referred to as ASSIGNOR), has invented a certain invention entitled CATALYSTS CONTAINING SPECIFIC TITANIUM POLYMORPHIC FORMS, for which a provisional patent application of the United States was filed on <u>December 2, 2015</u>, under Serial No. 62/262,089.

WHEREAS, ASSIGNOR, assigned to:

Lyondell Chemical Technology, L.P. LyondellBasell 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 April 16, 2014, the Previous Assignment referencing Invention Disclosure No. HC023/14, 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.

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.

Full Name of Inventor:

Barbara Kimmich

Date

### ASSIGNMENT OF PROVISIONAL APPLICATION

#### WHEREAS:

Inventor, Xueyong Yang, 1221 McKinney Street, Suite 700, Houston, TX 77010 Inventor, Jenny M. Oran Osment, 1221 McKinney Street, Suite 700, Houston, TX 77010 Inventor, Debra L. Jackson, 1221 McKinney Street, Suite 700, Houston, TX 77010

(hereinafter referred to as ASSIGNOR), has invented a certain invention entitled CATALYSTS CONTAINING SPECIFIC TITANIUM POLYMORPHIC FORMS, for which a provisional patent application of the United States was filed on <u>December 2, 2015</u>, under Serial No. 62/262,089.

WHEREAS, ASSIGNOR, assigned to:

Lyondell Chemical Technology, L.P. LyondellBasell 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 February 13, 2014 respectively, the Previous Assignment referencing Invention Disclosure No. HC014/14, 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.

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.

Full Names of Inventors:	
	10/26/2016
Xueyong Yang	Date
Jenny M. Oran Osment	 Date
·	
Debra L. Jackson	Date

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.

Full Names of Inventors:		
Xueyong Yang	Date	
CAMUM M. Dum Downello Jegny M. Dran Osmeni	10   25   <u>2010</u> Date	****************
Debra L. Jackson	Date	

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.

Full Names of Inventors:	
Xueyong Yang	Date
Jenny M. Oran Osment	Date
DANAPAU.  Delira/L. Jackson	10/10/16 Date