## 504798681 02/28/2018 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4845413

| SUBMISSION TYPE:                       |            | NEW ASSIGNMENT  |            |                |  |  |
|--|------------|---|------------|----------------|--|--|
| NATURE OF CONVEYANCE:                  |            | ASSIGNMENT  | ASSIGNMENT |                |  |  |
| CONVEYING PARTY                        | ΔΤΑ        |   |            |                |  |  |
|  |            | Name  |            | Execution Date |  |  |
| BRENDA TORRES                          |            |   |            | 11/10/2017     |  |  |
| MARYAM ZAREI-CHAI                      | 10/31/2017 |   |            |                |  |  |
| BELINDA D MOLINA                       |            |   |            | 05/12/2017     |  |  |
| RUSSELL R CHIANEL                      | 10/27/2017 |   |            |                |  |  |
| TRACY BENSON                           | 05/17/2017 |   |            |                |  |  |
| MAHSA HOSSEINI                         |            |   |            | 02/01/2018     |  |  |
| RECEIVING PARTY D                      | ΑΤΑ        |   |            |                |  |  |
| Name:                                  | THE B      | THE BOARD OF REGENTS OF THE UNIVERSITY OF TEXAS SYSTEM          |            |                |  |  |
| Street Address:                        | 201 W      | 201 WEST SEVENTH STREET   |            |                |  |  |
| City:                                  | AUSTI      | AUSTIN  |            |                |  |  |
| State/Country:                         | TEXAS      | TEXAS   |            |                |  |  |
| Postal Code:                           | 78701      | 78701   |            |                |  |  |
| PROPERTY NUMBER                        |            | Number  |            |                |  |  |
| Property Type<br>Application Number:   | ,          | 15522644  |            |                |  |  |
| CORRESPONDENCE<br>Fax Number:          |            | (512)536-4598   |            |                |  |  |
|  |            | ) the e-mail address first; i<br>l; if that is unsuccessful, it |            |                |  |  |
| Phone:                                 | -          | 512-474-5201  | ·          |                |  |  |
| Email:                                 |            | aoipdocket@nortonrosefulbright.com                              |            |                |  |  |
| Correspondent Name                     | :          | NORTON ROSE FULBRIGHT LLP                                       |            |                |  |  |
| Address Line 1:<br>Address Line 2:     |            | 98 SAN JACINTO BLVD.  |            |                |  |  |
| AUUICOS LINE ZI                        |            |   |            |                |  |  |
| Address Line 4:                        |            | SUITE 1100<br>AUSTIN, TEXAS 78701                               |            |                |  |  |
| Address Line 4:                        |            | AUSTIN, TEXAS 78701   |            |                |  |  |
| ATTORNEY DOCKET N                      |            | AUSTIN, TEXAS 78701   |            |                |  |  |
| ATTORNEY DOCKET N<br>NAME OF SUBMITTER |            | AUSTIN, TEXAS 78701<br>UTSE.P0143US<br>DAVID A EDWARDS          |            |                |  |  |
| ATTORNEY DOCKET N                      |            | AUSTIN, TEXAS 78701   |            |                |  |  |

## **Total Attachments: 5**

source=UTSE.P0143US - Assignment#page1.tif source=UTSE.P0143US - Assignment#page2.tif source=UTSE.P0143US - Assignment#page3.tif source=UTSE.P0143US - Assignment#page4.tif source=UTSE.P0143US - Assignment#page5.tif

## ASSIGNMENT

WHEREAS Belinda D. MOLINA; Brenda TORRES; Maryam ZAREI-CHALESHTORI; Russell R. CHIANELLI; Tracy BENSON; and Mahsa HOSSEINI (the "Assignors") are the inventors of Inventions described in the following Applications and Patents:

| Application Number | Filed          | Title                                     |
|--------------------|----------------|---|
| 15/522,644         | April 27, 2017 | HYDROTHERMAL SYNTHESIS OF ALKALI PROMOTED |
|                    |                | MOS2-BASED CATALYST                       |
| PCT/US2015/058526  | October 31,    | HYDROTHERMAL SYNTHESIS OF ALKALI PROMOTED |
|                    | 2015           | MOS2-BASED CATALYST                       |
| 62/073,799         | October 31,    | HYDROTHERMAL SYNTHESIS OF ALKALI PROMOTED |
|                    | 2014           | MOS2-BASED CATALYST                       |

WHEREAS the Inventions were developed during the course and scope of Assignors' employment by The University of Texas at El Paso, a State Institution of Higher Education within The University of Texas System;

WHEREAS The Board of Regents of The University of Texas System (the "Assignee"), having a place of business at 201 West Seventh Street, Austin, TX, 78701, is desirous of confirming its ownership of the entire right, title and interest in and to said Inventions;

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency, and adequacy of which are hereby acknowledged, the undersigned, do hereby:

SELL, ASSIGN, TRANSFER, and CONVEY to Assignee the full and exclusive right, title, and interest (a) in and to the Applications and Inventions; (b) in and to all rights to apply for patents on the Inventions in any and all countries pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications that claim the benefit of the Application listed in the table above including non-provisional applications and continuing applications, and any and all Patents granted on the Inventions in any and all countries and groups of countries, including each and every division, continuation, or substitution Applications; and (d) in and to each and every patent resulting from a post-grant proceeding, including reissue, post-grant review (PGR), *inter partes* review (IPR), supplemental examination, renewal, reexaminations, or extension of any of the Patents that claim the benefit of the Application(s) listed above;

COVENANT and AGREE to cooperate with Assignee to enable Assignee to enjoy to the fullest extent the right, title, and interest to the Inventions herein conveyed in any and all countries. Such cooperation by Assignors includes prompt production of pertinent facts and documents, giving testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in Assignee the right, title and interest herein conveyed; (b) for prosecuting any of the Applications; (c) for filing and prosecuting divisional, continuing, substitute, or additional applications covering the Inventions; (d) for filing and prosecuting applications for reissuance of any of the Patents; (e) for any priority proceedings involving the Inventions; and (f) for legal proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions, and court actions; provided, however, that the expense incurred by Assignors in providing such cooperation shall be paid for by said Assignee;

WARRANT and REPRESENT that the undersigned has not entered and will not enter into any assignment, contract, or understanding in conflict herewith;

TO BE BINDING on the heirs, legal representatives, and assigns of the undersigned and extend to the successors, assigns, and other legal representatives of the Assignee.

Page 1 of 3

PATENT REEL: 045069 FRAME: 0367

## PATENT UTSE.P0143US/11702397

Signature: Belinda D. MOLINA

STATE OF

COUNTY OF

personally BEFORE ME, the undersigned authority, on this \_\_\_\_\_ day of \_\_\_\_\_ appeared Belinda D. MOLINA, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.

Notary or Consular Officer

Signature:

Date: 11/10/17

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

Brenda TORRE

STATE OF COUNTY OF F1 VISO

BEFORE ME, the undersigned authority, on this 10 thay of Moundar / / personally appeared Brenda TORRES, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.

JENNIFER LYNN RAMIREZ My Commission Expires January 21, 2018

Notary or Consular Officer

Signature: Maryam 7 = 20 Date: 1 = -31 - 17Maryam ZAREFCHALESHTORI

STATE OF 10 Kal

COUNTY OF EL Pliso

appeared Maryam ZAREI-CHALESHTORI, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.



Notary or Consular Officer

Page 2 of 3 PATENT REEL: 045069 FRAME: 0368

3D. helina Date: 5/12/17 Signature: 1 Belinda D. MOLINA

STATE OF <u>IX</u> COUNTY OF <u>Potter</u>

BEFORE ME, the undersigned authority, on this 12 day of <u>May</u>, <u>2017</u> personally appeared Belinda D. MOLINA, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.



W. A.

Notary or Consular Officer

Signature: \_\_\_\_\_ Brenda TORRES

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

STATE OF \_\_\_\_\_

COUNTY OF \_\_\_\_

BEFORE ME, the undersigned authority, on this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_ personally appeared Brenda TORRES, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.

Notary or Consular Officer

Signature:

Maryam ZAREI-CHALESHTORI

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

STATE OF \_\_\_\_\_

COUNTY OF

BEFORE ME, the undersigned authority, on this \_\_\_\_\_ day of \_\_\_\_\_\_, personally appeared Maryam ZAREI-CHALESHTORI, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.

Notary or Consular Officer

Page 2 of 3

PATENT REEL: 045069 FRAME: 0369

Signature: R. R. Chuarielle Date: 10/27/2017

Russell R. CHIANELLI

STATE OF 1/1/6 COUNTY OF EIPHSD

BEFORE ME, the undersigned authority, on this FH day of 11 (1860, 2017) personally appeared Russell R. CHIANELLI, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.



Notary or/Consular Officer

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

Signature: Tracy BENSON

STATE OF

COUNTY OF

BEFORE ME, the undersigned authority, on this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_ personally appeared Tracy BENSON, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.

Notary or Consular Officer

Signature: Mahsa HOSSEINI Date: \_\_\_\_\_

STATE OF \_\_\_\_\_

COUNTY OF

BEFORE ME, the undersigned authority, on this \_\_\_\_\_ day of \_\_\_\_\_ personally appeared Mahsa HOSSEINI, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.

Notary or Consular Officer

Page 3 of 3 PATENT REEL: 045069 FRAME: 0370 Signature:

Date:

Russell R. CHIANELLI

STATE OF

COUNTY OF

BEFORE ME, the undersigned authority, on this \_\_\_\_\_ day of \_\_\_\_\_, personally appeared Russell R. CHIANELLI, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.

Notary or Consular Officer

Date: 17 May 2017

Signature: Tracy BENSON

STATE OF  $7 \times$ 

COUNTY OF Jefforson

BEFORE ME, the undersigned authority, on this 12 day of 124\_,2017 personally appeared Tracy BENSON, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.

KASSANDRA AIENA Notary ID # 124923967 My Commission Expires June 7, 2020

Notary or Consular Officer

Date: 02/01/2018

Signature: Mahsa HOSSE

STATE OF Kansas COUNTY OF JOhnson

BEFORE ME, the undersigned authority, on this 1 day of Feb. LOIR personally appeared Mahsa HOSSEINI, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the/same of his/her own free will for the purposes and consideration therein expressed.

Notary or Consular Officer

**RECORDED: 02/28/2018** 

**JOTAR** 

SHANNON DEWEY

My Appointment Expires May 16, 2021