

## PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT5059047

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ARUDRA PALANI	02/14/2016
TAZUL ISLAM BHUIYAN	02/14/2016
MOHAMMAD NASEEM AKHTAR	02/14/2016
MOHAMMAD A. AL-YAMI	02/14/2016
ABDULLAH M. AITANI	06/15/2016
SULAIMAN SALEH AL-KHATTAF	06/16/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	KING FAHD UNIVERSITY OF PETROLEUM AND MINERALS
<b>Street Address:</b>	P.O. BOX 691
<b>City:</b>	DHAHRAN
<b>State/Country:</b>	SAUDI ARABIA
<b>Postal Code:</b>	31261
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16039983
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(937)449-6400
<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>	937/449-6400
<b>Email:</b>	daytonipdocket@dinsmore.com
<b>Correspondent Name:</b>	DINSMORE & SHOHL LLP
<b>Address Line 1:</b>	FIFTH THIRD CENTER, ONE S. MAIN STREET
<b>Address Line 2:</b>	SUITE 1300
<b>Address Line 4:</b>	DAYTON, OHIO 45402
<b>ATTORNEY DOCKET NUMBER:</b>	SA6253/SA 6019 N2
<b>NAME OF SUBMITTER:</b>	THERESA OLDFIELD
<b>SIGNATURE:</b>	/Theresa Oldfield/
<b>DATE SIGNED:</b>	07/19/2018

**Total Attachments: 5**

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## ASSIGNMENT

WHEREAS, we, **Arudra Palani** of Dhahran, Saudi Arabia; **Tazul Islam Bhuiyan**, of Dhahran, Saudi Arabia; **Mohammad Naseem Akhtar**, of Dhahran, Saudi Arabia; **Abdullah M. Aitani**, of Dhahran, Saudi Arabia; **Sulaiman Saleh Al-Khattaf**, of Dhahran, Saudi Arabia; and **Mohammad A. Al-Yami**, of Dhahran Saudi Arabia; hereinafter called the *ASSIGNORS*, invented certain new and useful DUAL CATALYST SYSTEM FOR PROPYLENE PRODUCTION, for which the *ASSIGNORS* executed a United States Provisional Patent Application and filed on July 2, 2015, under

☒ Patent Application Serial No. 62/188,178;

☒ Attorney Docket No. SA 6019 MA/77097.51;

WHEREAS, the *ASSIGNORS* hereby authorize and request the attorney(s) and/or agent(s) recording the present assignment, to insert above the filing date and application number of said application, when known;

WHEREAS, **King Fahd University of Petroleum and Minerals**, a university of Saudi Arabia, with a place of business at P.O. Box 691, Dhahran 31261, Saudi Arabia, hereinafter called the *ASSIGNEE*, is desirous of acquiring the entire right, title and interest in and to said application and the inventions therein disclosed and any letters patent that may issue thereon;

AND, WHEREAS, it is the intent of the *ASSIGNORS* to assign all rights, including but not limited to all substantive rights as well as the (future) right to claim priority and the right to be granted a patent in any and all PCT Contracting States to the above referenced application to the Assignee;

NOW, THEREFORE *ASSIGNORS* hereby sell, assign and transfer unto said *ASSIGNEE*, its successors and assigns, the entire right, title and interest, including the right to sue for past infringement, if any, and the (future) right to claim priority, in and to said application, the inventions therein disclosed, and any improvements thereon, and in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possession, in any and all foreign countries, including without limit all PCT Contracting States, all GCC Member States, and in and to any and all divisions, continuations, substitutions, renewals, re-examination, extension and reissues thereof, and any other applications claiming priority thereto;

*ASSIGNORS* hereby authorize and request the Patent Office Officials in the United States and its territorial possessions, and in any and all foreign countries, to issue, when granted, any and all Letters Patents thereon, and reissues thereof, to said *ASSIGNEE* as the assignee of the entire right, title and interest in and to the same, for the sole use and behalf of


said *ASSIGNEE* and said *ASSIGNEE's* successors and assigns, to the full end of the term for which said Letters Patents may be granted, as fully and entirely as the same would have been held by *ASSIGNORS* had this assignment and sale not been made; and

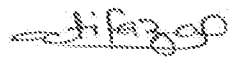
*ASSIGNORS* hereby authorize said *ASSIGNEE*, its successors and assigns, to file in its own name applications for patent in foreign countries in connection with the inventions hereby transferred, under the International Convention claiming the priority of said United States application or otherwise, and to secure in its own name the patent or patents issued thereon; and

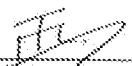
*ASSIGNORS* hereby agree that, upon request, *ASSIGNORS* will sign all papers, and make all rightful oaths, and do all acts which said *ASSIGNEE*, its successors or assigns, may consider necessary in connection with said United States application, and in connection with any other United States or foreign applications that may be filed in connection with said inventions, and with any improvements thereon, and in connection with any patents issued or reissued thereon.

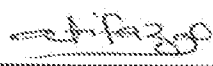
*ASSIGNORS*:

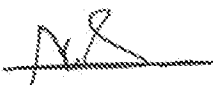
IN WITNESS WHEREOF, the *ASSIGNORS* have hereunto set their hand and seal.

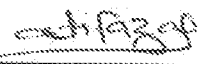
By:   
Arudra Palani  
Date 14/02/2016


  
WITNESS  
Date 14-Feb-2016  
Print Name Dr. Atif Fazal

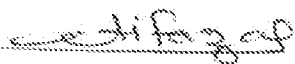
By:   
Tazul Islam Bhuiyan  
Date 14-02-2016

  
WITNESS  
Date 14-Feb-2016  
Print Name Dr. Atif Fazal

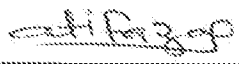
By:   
Mohammad Naseem Akhtar  
Date 14-2-2016

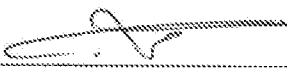
  
WITNESS  
Date 14-Feb-2016  
Print Name Dr. Atif Fazal

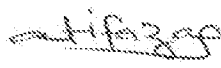
By:   
Mohammad Naseem Akhtar  
Date 14-2-2016

  
WITNESS  
Date 14-Feb-2016  
Print Name Dr. Atif Raza

By:   
Tazul Islam Bhuiyan  
Date 14.02.2016

  
WITNESS  
Date 14-Feb-2016  
Print Name Dr. Atif Raza

By:   
Mohammad A. Al-Yami  
Date 14/2/2016

  
WITNESS  
Date 14-Feb-2016  
Print Name Dr. Atif Raza

said ASSIGNEE and said ASSIGNEE's successors and assigns, to the full end of the term for which said Letters Patents may be granted, as fully and entirely as the same would have been held by ASSIGNORS had this assignment and sale not been made; and

ASSIGNORS hereby authorize said ASSIGNEE, its successors and assigns, to file in its own name applications for patent in foreign countries in connection with the inventions hereby transferred, under the International Convention claiming the priority of said United States application or otherwise, and to secure in its own name the patent or patents issued thereon, and

ASSIGNORS hereby agree that, upon request, ASSIGNORS will sign all papers, and make all rightful oaths, and do all acts which said ASSIGNEE, its successors or assigns, may consider necessary in connection with said United States application, and in connection with any other United States or foreign applications that may be filed in connection with said inventions, and with any improvements thereon, and in connection with any patents issued or reissued thereon.

ASSIGNORS:

IN WITNESS WHEREOF, the ASSIGNORS have hereunto set their hand and seal.

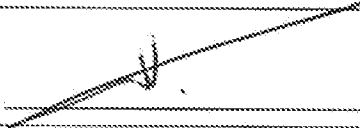

By: [Signature]  
Abdullah M. Aitani  
Date June 15, 2016

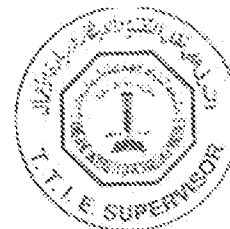
[Signature]  
WITNESS  
Date June 16, 2016  
Print Name MARCOF ALI

By: [Signature]  
Sulaiman Saleh Al-Khattaf  
Date June 16, 2016

[Signature]  
WITNESS  
Date 16 - June - 2016  
Print Name Dr Atif Fraz

IN WITNESS WHEREOF, ASSIGNEE hereby accepts and receives this ASSIGNMENT:

<b>Assignee:</b>	
Signed:	
Printed Name:	DR. IYAD T. ALZAHARNAH
Title:	DIRECTOR, INNOVATION CENTER
Date:	FEBRUARY 16, 2016
<b>Witness:</b>	
Signed:	
Printed Name:	ABDALVADOOD HASSAN ELBADAWI BABIKIR
Title:	IP MANAGEMENT EXECUTIVE
Date:	FEBRUARY 16, 2016



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