

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
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EPAS ID: PAT3658084

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ERRUN DING	11/30/2015
JEFFREY F. GRECO	11/30/2015
QING YANG	11/30/2015
YOULU YU	11/30/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	CHEVRON PHILLIPS CHEMICAL COMPANY LP
<b>Street Address:</b>	10001 SIX PINES DRIVE
<b>City:</b>	THE WOODLANDS
<b>State/Country:</b>	TEXAS
<b>Postal Code:</b>	77380
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14863698
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(612)332-9081
<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>Email:</b>	kdean@merchantgould.com
<b>Correspondent Name:</b>	MERCHANT & GOULD P.C.
<b>Address Line 1:</b>	P.O. BOX 2903
<b>Address Line 4:</b>	MINNEAPOLIS, MINNESOTA 55402
<b>ATTORNEY DOCKET NUMBER:</b>	60293.0133US02
<b>NAME OF SUBMITTER:</b>	TODD J. OBIJESKI
<b>SIGNATURE:</b>	/Todd J. Obijeski/
<b>DATE SIGNED:</b>	12/15/2015
<b>Total Attachments: 3</b>	
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source=0133us02_Assignment_12-15-15#page3.tif	

**ASSIGNMENT**

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

SELL, ASSIGN AND TRANSFER to **Chevron Phillips Chemical Company LP** (the "Assignee"), a corporation of the State of Delaware, having a place of business at **10001 Six Pines Drive, The Woodlands, Texas 77380**, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned concurrently herewith and is entitled "**Heterogeneous Ziegler-Natta Catalysts with Fluorided Silica-Coated Alumina**," with joint inventors **Errun Ding, Jeffrey F. Greco, Qing Yang, and Youlu Yu**, filed in the U.S. Patent and Trademark Office on **September 24, 2015**, and assigned Serial No. **14/863,698**; such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will (1) execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; (2) execute all rightful oaths, declarations, assignments, powers of attorney and other papers; (3) communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; (4) cooperate with the Assignee in any interference, opposition, dispute, or litigation involving any of the applications or patents for such improvements; and (5) generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

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

(Signature): \_\_\_\_\_

Name: **ERRUN DING**

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

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

COUNTY OF \_\_\_\_\_

§

§ ss.

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BEFORE ME, the undersigned authority, on this 30<sup>th</sup> day of November, 2015, personally appeared **ERRUN DING**, known to me to be the person whose name subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

D. Renee Gagan  
Notary or Consular Officer

[SEAL]

**D. RENEE GAGAN**  
Notary Public, State of Oklahoma  
Commission # 10003898  
My Commission Expires May 11, 2018

(Signature): *Jeffrey F. Greco*  
Name: **JEFFREY F. GRECO**

Date: 11/30/15

STATE OF Oklahoma §  
COUNTY OF Washington § ss.  
§

BEFORE ME, the undersigned authority, on this 30<sup>th</sup> day of November, 2015, personally appeared **JEFFREY F. GRECO**, known to me to be the person whose name subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

*D. Renee Gagan*  
Notary or Consular Officer

[SEAL]

**D. RENEE GAGAN**  
Notary Public, State of Oklahoma  
Commission # 10003898  
My Commission Expires May 11, 2018

(Signature): *Qing Yang*  
Name: **QING YANG**

Date: 11/30/15

STATE OF Oklahoma §  
COUNTY OF Washington § ss.  
§

BEFORE ME, the undersigned authority, on this 30<sup>th</sup> day of November, 2015, personally appeared **QING YANG**, known to me to be the person whose name subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

*D. Renee Gagan*  
Notary or Consular Officer

[SEAL]

**D. RENEE GAGAN**  
Notary Public, State of Oklahoma  
Commission # 10003898  
My Commission Expires May 11, 2018

(Signature):

Name: YOULU YU

Date:

11/30/2015

STATE OF

Oklahoma

§

COUNTY OF

Washington

§ ss.

§

BEFORE ME, the undersigned authority, on this 30th day of November, 2015, personally appeared **YOULU YU**, known to me to be the person whose name subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

[SEAL]

Notary or Consular Officer

