## 05/04/2017 504350858 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT4397547

SUBMISSION TYPE:		NEW ASSIGNMENT	
NATURE OF CONVEYANCE:		ASSIGNMENT	
CONVEYING PARTY	Υ DATA		
		Name	Execution Date
ERRUN DING			05/02/2017
BILL BEAULIEU			05/02/2017
RECEIVING PARTY	DATA		
RECEIVING PARTY			
RECEIVING PARTY Name:	CHEVRO	ON PHILLIPS CHEMICAL COMPANY	
RECEIVING PARTY Name: Street Address:	CHEVRO 10001 S	IX PINES DRIVE	
RECEIVING PARTY Name:	CHEVRO 10001 S		
RECEIVING PARTY Name: Street Address:	CHEVRO 10001 S	IX PINES DRIVE	

## ROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15497249

## **CORRESPONDENCE DATA**

Correspondence will be sent to	612)332-9081 the e-mail address first; if that is unsuccessful, it will be sent ; if that is unsuccessful, it will be sent via US Mail.	
Email:	kdean@merchantgould.com	
Correspondent Name:	MERCHANT & GOULD P.C.	
Address Line 1:	P.O. BOX 2903	
Address Line 4:	MINNEAPOLIS, MINNESOTA 55402	
ATTORNEY DOCKET NUMBER:	60293.0161USU1	
NAME OF SUBMITTER:	TODD J. OBIJESKI	
SIGNATURE:	/Todd J. Obijeski/	
DATE SIGNED:	05/04/2017	
Total Attachments: 2 source=0161usu1_Assignment_05 source=0161usu1_Assignment_05		

## 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 "Methods for Increasing Polymer Production Rates with Halogenated Hydrocarbon Compounds," with joint inventors Errun Ding and Bill Beaulieu, filed in the U.S. Patent and Trademark Office on April 26, 2017, and assigned Serial No. 15/497,249; 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.

	and the second se
a	
(Signature):	05/02/ 2017
Name: ERRUN DING	
STATE OF Uplahoma s	
COUNTY OF Walking Care \$ 55.	usd Doo
BEFORE ME, the undersigned authority, on this	day of 1/ 2 12 2017, personally appeared
ERRUN DING, known to me to be the person whose name sub- he executed the same of his own free will for the purposes and cor	
he exertied the same of the own nee with the hisposes and cor	issociation alcient capicasca.
	D. Renor Gagan
	Notary or Consula(Officer()
[SEAL] Company of the second s	
i kana na kana kana kana kana kana kana	
	D. RENEE GAGAN
	Notary Public, State of Oklahoma
E 1998 A 1997	Commission # 10003898
	My Commission Explices May 11, 2018 Page 1 of 2
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	PATENT
	REEL: 042234 FRAME: 0542

(Signature): Bill Houlian
Name: BILL BEAULIEU
STATE OF Up In mla 5
1 Stand Strange St
COUNTY OF UNILLIMATIN S

12017 Date: 5/2

BEFORE ME, the undersigned authority, on this 2 day of 10, 2017, personally appeared BILL BEAULIEU, known to me to be the person whose name subscribed to the foregoing insufament and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

[SEAL]

D 100 Notary or Consusse Officer

D. RENEE GAGAN Notery Public, State of Cklahoma Commission # 10003898 My Commission Expires May 11, 2018

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**RECORDED: 05/04/2017**