PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CARLOS A. CRUZ	03/14/2018
JARED L. BARR	03/14/2018

RECEIVING PARTY DATA

Name:	CHEVRON PHILLIPS CHEMICAL COMPANY LP
Street Address:	10001 SIX PINES DRIVE
City:	THE WOODLANDS
State/Country:	TEXAS
Postal Code:	77380

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15895084

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	60293.0175USI2	
NAME OF SUBMITTER:	TODD J. OBIJESKI	
SIGNATURE:	/Todd J. Obijeski/	
DATE SIGNED:	03/23/2018	

Total Attachments: 2

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> **PATENT** REEL: 045322 FRAME: 0961 504833513

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 "Catalyst Systems Containing Low Valent Titanium-Aluminum Complexes and Polymers Produced Therefrom," with joint inventors Carlos A. Cruz and Jared L. Barr, filed in the U.S. Patent and Trademark Office on February 13, 2018, and assigned Serial No. 15/895,084; 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 Assign@e. 3-14-12 (Signature): ŝ BEFORE ME, the undersigned authority, on this day of , 2018, personally appeared CARLOS A. CRUZ, 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 Public, State of Oklahoma Commission # 10003898

Notary or Consular Officer

My Commission Expires May 11, 2018

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(Signature):

Name: JARED L. BARR

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BEFORE ME, the undersigned authority, on this day of Natala 2018, personally appeared JARED L. BARR, 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.

Date: 3... 14... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19... 19

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