

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2730175

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>CHRISTOPHER F. DEAN</td> <td>12/16/2013</td> </tr> <tr> <td>ALLAN BIRKETT FOX</td> <td>12/17/2012</td> </tr> <tr> <td>DANIEL C. LONGSTAFF</td> <td>12/12/2012</td> </tr> </tbody> </table>		Name	Execution Date	CHRISTOPHER F. DEAN	12/16/2013	ALLAN BIRKETT FOX	12/17/2012	DANIEL C. LONGSTAFF	12/12/2012		
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DANIEL C. LONGSTAFF	12/12/2012										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>SAUDI ARABIAN OIL COMPANY</td> </tr> <tr> <td>Street Address:</td> <td>Box 5000</td> </tr> <tr> <td>City:</td> <td>Dhahran</td> </tr> <tr> <td>State/Country:</td> <td>SAUDI ARABIA</td> </tr> <tr> <td>Postal Code:</td> <td>31311</td> </tr> </table>		Name:	SAUDI ARABIAN OIL COMPANY	Street Address:	Box 5000	City:	Dhahran	State/Country:	SAUDI ARABIA	Postal Code:	31311
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CORRESPONDENCE DATA											
Fax Number:	(212)949-9190										
Phone:	2129499022										
Email:	fmalikouzakis@lawabel.com										
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>											
Correspondent Name:	RALPH J. CRISPINO										
Address Line 1:	666 THIRD AVENUE										
Address Line 2:	ABELMAN, FRAYNE & SCHWAB										
Address Line 4:	NEW YORK, NEW YORK 10017										
ATTORNEY DOCKET NUMBER:	212,074-SA182										
NAME OF SUBMITTER:	RALPH J. CRISPINO										
Signature:	/Ralph J. Crispino/										

Date:

02/18/2014

Total Attachments: 3

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### ASSIGNMENT FROM INVENTOR

In consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned Assignor:

Christopher F. DEAN - 408 Lovett Blvd., Houston, Texas 77006

Allan Birkett FOX - P.O. Box 5442, Saudi Aramco, Dhahran 31311 Saudi Arabia

Daniel C. LONGSTAFF - P.O. Box 12080, Saudi Aramco, Dhahran 31311, Saudi Arabia

effective as of at least the filing date(s) of the patent application(s) identified below, hereby sells, assigns and transfers to Assignee:

Saudi Arabian Oil Company  
Box 5000  
Dhahran 31311  
Saudi Arabia

its successors, assigns and legal representatives, 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

(a) United States Patent Application Serial No. 13/560,570 filed July 27, 2012;

(b) Patent Cooperation Treaty International Application No. PCT/US12/48612 filed July 27, 2012;

and entitled:

#### FLUDIZED CATALYTIC CRACKING OF PARAFFINIC NAPHTHA IN A DOWNFLOW REACTOR

and in and to said applications 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 other countries foreign to the United States on any of said improvements; and in and to all original and reissued patents which have been or shall be issued in the United States and all countries foreign to the United States on said improvements.

The Assignor hereby authorizes and grants to the Assignee the right to insert in this Assignment any further specific identifying information related to any or all of the applications that may become necessary or desirable to comply with the rules of any patent office of any country for recordation of this Assignment.

The Assignee may apply for and receive the Patent Certificate in its own name. When requested by the Assignee or its successors, each of the undersigned Assignor(s) will execute all other patent applications, appropriate declarations and oaths, assignments, powers of attorney, or other papers, and communicate all facts known to him/her relating to the improvements and the history thereof; and generally do everything possible which the Assignee or its successors shall consider desirable for aiding in securing and maintaining all appropriate patent protection for the improvements and for vesting title in the Assignee or its successors.

Assignor warrants that he/she has the full right to convey the rights and property described herein and that no assignment, grant, mortgage, license, or other agreement affecting such rights and property has been made to others by the undersigned.

ASSIGNOR

Dated: 12-16-2013

By



Christopher F. DEAN

The undersigned declares that he (she) was personally present and did see the above-named individual execute this Assignment of his (her) own free will for the purposes set forth herein.

By



Name

Paul Smith

Address

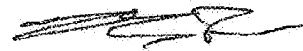
406 Lovett Blvd

Houston, TX 77006

ASSIGNOR

Dated: 12-17-2012

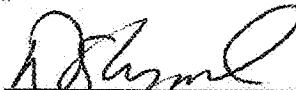
By



Allan Birkett FOX

The undersigned declares that he (she) was personally present and did see the above-named individual execute this Assignment of his (her) own free will for the purposes set forth herein.

By



Name

William T. Sheppard

Address

771 Salamiyah

Dhahran, Saudi Arabia

31311

ASSIGNOR

Dated: 12/12/2012

By *Daniel C. Longstaff*  
Daniel C. LONGSTAFF

The undersigned declares that he (she) was personally present and did see the above-named individual execute this Assignment of his (her) own free will for the purposes set forth herein.

By *D.B. McLeary*  
Name DB MCLEARY  
Address HIBISCUS 105  
DHAHRAN, SAUDI ARABIA