

PATENT ASSIGNMENT

Electronic Version v1.1
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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>Raheel SHAFI</td> <td>05/21/2013</td> </tr> <tr> <td>Julio HASSELMAYER</td> <td>06/24/2013</td> </tr> <tr> <td>Abdenmour BOURANE</td> <td>06/16/2013</td> </tr> <tr> <td>Ibrahim A. ABBA</td> <td>06/18/2013</td> </tr> <tr> <td>Abdul Rahman Zafer AKHRAS</td> <td>06/16/2013</td> </tr> </tbody> </table>		Name	Execution Date	Raheel SHAFI	05/21/2013	Julio HASSELMAYER	06/24/2013	Abdenmour BOURANE	06/16/2013	Ibrahim A. ABBA	06/18/2013	Abdul Rahman Zafer AKHRAS	06/16/2013
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<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													
<p>Fax Number: 2129499190 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 212-949-9022 Email: sortiz@lawabel.com Correspondent Name: ABELMAN, FRAYNE & SCHWAB Address Line 1: 666 Third Avenue, 10th Floor Address Line 4: New York, NEW YORK 10017-5621</p>													
ATTORNEY DOCKET NUMBER:	212,765												
NAME OF SUBMITTER:	Ralph J. Crispino												
Signature:	/Ralph J. Crispino/												
Date:	07/30/2013												
Total Attachments: 1 source=212765_Assignment#page1.tif													

CH \$40.00 13865032

PATENT

UNITED STATES 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:

Raheel SHAFI - P.O. Box 8925, Saudi Aramco, Dhahran 31311, Saudi Arabia
 Julio HASSELMAYER - P.O. Box 1553, Saudi Aramco, Dhahran 31311, Saudi Arabia
 Abdennour BOURANE - P.O. Box 1634, Saudi Aramco, Ras Tanura 31311, Saudi Arabia
 Ibrahim A. ABBA - P.O. Box 14043, Saudi Aramco, Dhahran 31311, Saudi Arabia
 Abdul Rahman Zafer AKHRAS - P.O. Box 11217, Saudi Aramco, Dhahran 31311, Saudi Arabia

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, and any and all improvements which are disclosed in

Application for Letters Patent Serial No. 13/865,032 Filed April 17, 2013
 and entitled INTEGRATED HYDROTREATING AND STEAM PYROLYSIS PROCESS FOR DIRECT PROCESSING OF A CRUDE OIL

and in and to said application and all divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all other foreign countries 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 foreign countries on said improvements.

The Assignee may apply for and receive the Letters Patent in its own name. When requested by the Assignee or its successors, the undersigned Assignor(s) will execute all other patent applications; proper 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 proper 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 no assignment, grant, mortgage or license or other agreement affecting such rights and property has been made to other by the undersigned.

Dated: 05/21, 2013

By Raheel SHAFI
 ASSIGNOR

Dated: 06/27, 2013

By Julio HASSELMAYER

Dated: 06/16, 2013

By Abdennour BOURANE

Dated: 6/18, 2013

By Ibrahim A. ABBA

Dated: 06/16, 2013

By Abdul Rahman Zafer AKHRAS

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 Alberto Lozano BAULESTROS
 Name Alberto Lozano BAULESTROS
 Address Dhahran 31311, Saudi Arabia
PO BOX 9267, Saudi Aramco

ABELMAN, FRAYNE & SCHWAB
 666 Third Avenue
 New York, New York 10017-5621

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