

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>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	Abdenmour BOURANE	06/16/2013	Ibrahim A. ABBA	06/18/2013	Abdul Rahman Zafer AKHRAS	06/16/2013
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Abdul Rahman Zafer AKHRAS	06/16/2013										
RECEIVING PARTY DATA											
Name:	SAUDI ARABIAN OIL COMPANY										
Street Address:	Box 5000										
City:	Dhahran										
State/Country:	SAUDI ARABIA										
Postal Code:	31311										
PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13865060</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13865060						
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CORRESPONDENCE DATA											
Fax Number:	2129499190										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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Email:	fmalikouzakis@lawabel.com										
Correspondent Name:	Ralph J. Crispino										
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Address Line 2:	Abelman, Frayne & Schwab										
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ATTORNEY DOCKET NUMBER:	212,758-SA311										
NAME OF SUBMITTER:	Ralph J. Crispino										
Signature:	/Ralph J. Crispino/										
Date:	08/19/2013										
Total Attachments: 1 source=212758_Signed_Assignment#page1.tif											

CH \$40.00 13865060

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
- Abdenmour 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. 13/865,060 Filed April 17, 2013

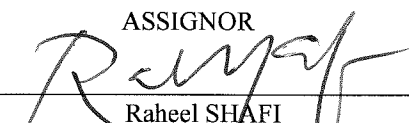
and entitled **INTEGRATED HYDROTREATING AND STEAM PYROLYSIS PROCESS INCLUDING RESIDUAL BYPASS FOR DIRECT PROCESSING OF A CRUDE OIL**

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

ASSIGNOR
By 
Raheel SHAFI

Dated: 06/16, 2013

By 
Abdenmour BOURANE

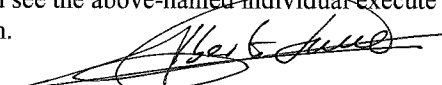
Dated: 6/18, 2013

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 
Name Alberto Sozano BAILESTANS
Address PO Box 1267, Saudi Aramco
Dhahran 31311, Saudi Arabia.

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

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