

PATENT ASSIGNMENT

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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>Abdenmour BOURANE</td> <td>06/16/2013</td> </tr> <tr> <td>Raheel SHAFI</td> <td>05/21/2013</td> </tr> <tr> <td>Essam SAYED</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	Abdenmour BOURANE	06/16/2013	Raheel SHAFI	05/21/2013	Essam SAYED	06/16/2013	Ibrahim A. ABBA	06/18/2013	Abdul Rahman Zafer AKHRAS	06/16/2013
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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>13865062</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13865062								
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CORRESPONDENCE DATA													
Fax Number:	2129499190												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone:	2129499022												
Email:	fmalikouzakis@lawabel.com												
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:	212,759-SA324												
NAME OF SUBMITTER:	Ralph J. Crispino												

CH \$40.00 13865062

Signature:	/Ralph J. Crispino/
Date:	08/20/2013
Total Attachments: 1 source=212759_Signed Assignment#page1.tif	

**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:

- Abdenmour BOURANE - P.O. Box 1634, Saudi Aramco, Ras Tanura 31311, Saudi Arabia
- Raheel SHAFI - P.O. Box 8925, Saudi Aramco, Dhahran 31311, Saudi Arabia
- Essam SAYED - P.O. Box 12474, Saudi Aramco, Dhahran 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 seils, 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. 13/865,062 Filed April 17, 2013
and entitled INTEGRATED SOLVENT DEASPHALTING, 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: 06/16, 2013

ASSIGNOR
By [Signature]
Abdenmour BOURANE

Dated: 05/21, 2013

By [Signature]
Raheel SHAFI

Dated: 06/16, 2013

By [Signature]
Essam SAYED

Dated: 6/18, 2013

By [Signature]
Ibrahim A. ABBA

Dated: 06/16, 2013

By [Signature]
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 [Signature]

Name Alberto Lozano BAUJESTENOS

Address PO Box 4267 Saudi Aramco
Dhahran, 31311, Saudi Arabia

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

PATENT