

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MAHMOUD BAHY MAHMOUD NOURELDIN	04/19/2017
HANI MOHAMMED AL SAED	04/19/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SAUDI ARABIAN OIL COMPANY
<b>Street Address:</b>	1 EASTERN AVENUE
<b>City:</b>	DHAHRAN
<b>State/Country:</b>	SAUDI ARABIA
<b>Postal Code:</b>	31311
<b>PROPERTY NUMBERS Total: 2</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15241942
<b>PCT Number:</b>	US2016048063
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	38136-0046001; 0046WO1
<b>NAME OF SUBMITTER:</b>	PEGGY C. HARRIS
<b>SIGNATURE:</b>	/Peggy C. Harris/
<b>DATE SIGNED:</b>	04/19/2017
<b>Total Attachments: 4</b>	
source=38136-0046001_Assignment#page1.tif	
source=38136-0046001_Assignment#page2.tif	
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source=38136-0046001_Assignment#page4.tif	

ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, MAHMOUD BAHY MAHMOUD NOURELDIN, and HANI MOHAMMED AL SAED, each individually assign to SAUDI ARABIAN OIL COMPANY, a corporation formed under the laws of Saudi Arabia and having a principal place of business at 1 Eastern Avenue, Dhahran, Saudi Arabia 31311, and its successors, transferees, and assignees (collectively the "Assignee"), all of our individual and joint right, title, and interest throughout the world in the subject matter (the "Subject Matter") of a patent application that names us as inventors, is titled "RECOVERY AND RE-USE OF WASTE ENERGY IN INDUSTRIAL FACILITIES," and was filed in the United States Patent and Trademark Office on August 19, 2016, as application 15/241,942 (the "Application").

This Assignment assigns (a) the Application and all other applications that may be made for, and all patents, utility models, design registrations, and other rights of exclusion and inventors' certificates for, any of the Subject Matter (collectively the "Applications and Granted Rights") in every country or region, (b) the right to claim priority based on and the benefit of the filing date of any of the Applications and Granted Rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or conventions, and (c) the right to pursue, collect, and retain in the Assignee's name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment.

We authorize the Assignee to apply for and pursue protection for any or all of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment in all countries, regions, and territories of the world, in our names or in the Assignee's name.


We represent and warrant that we have the right and power to make this Assignment and that we have not made and will not make any other assignment that conflicts with this Assignment.

We will communicate to the Assignee (or at the request of the Assignee to other parties) all known facts in any form relating to the Subject Matter, will execute and provide all oaths and declarations, statements, testimony, assignments, powers of attorney, applications, and

documents, and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.

M. Baby Nouredin Date: April 19, 2017  
Mahmoud Baby Mahmoud Nouredin

Witnessed by:

Signature:  Date: April 19, 2017

Print Name: Mana Al-Qwardh

Signature:  Date: April 19, 2017

Print Name: Saleh Al-Qawstani

  
.....  
Hani Mohammed Al Saed

Date: April, 19, 2017

Witnessed by:

Signature:  .....

Date: April 19, 2017

Print Name: Mana Al-Owaidh

Signature:  .....

Date: April 19, 2017

Print Name: Saleh Al-Qashtani

The Assignee hereby acknowledges and accepts the foregoing assignment.

Assignee: SAUDI ARABIAN OIL COMPANY

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_

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\_\_\_\_\_ Date: \_\_\_\_\_  
Hani Mohammed Al Saed

Witnessed by:

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Print Name: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Print Name: \_\_\_\_\_

The Assignee hereby acknowledges and accepts the foregoing assignment.

Assignee: SAUDI ARABIAN OIL COMPANY

Signature:  \_\_\_\_\_ Date: January 25, 2017

Name: Melton E. Knotts

Title: Assistant Corporate Secretary

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