

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5622351

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the INVENTOR NAME MAHMOUD BAHY NOURELDIN TO MAHMOUD BAHY MAHMOUD NOURELDIN & AKRAM HAMED KAMEL TO AKRAM HAMED MOHAMED KAMEL previously recorded on Reel 049143 Frame 0723. Assignor(s) hereby confirms the ASSIGNMENT.
CONVEYING PARTY DATA	
Name	Execution Date
MAHMOUD BAHY MAHMOUD NOURELDIN	03/21/2016
AKRAM HAMED MOHAMED KAMEL	03/06/2016
RECEIVING PARTY DATA	
Name:	SAUDI ARABIAN OIL COMPANY
Street Address:	1 EASTERN AVENUE
City:	DHAHRAN
State/Country:	SAUDI ARABIA
Postal Code:	31311
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16406995
CORRESPONDENCE DATA	
Fax Number:	(877)769-7945
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	+1 (214) 292-4049
Email:	matteo@fr.com, apsi@fr.com
Correspondent Name:	PATRIC J. HAN
Address Line 1:	FISH & RICHARDSON P.C.
Address Line 2:	P.O.BOX 1022
Address Line 4:	MINNEAPOLIS, MINNESOTA 55440-1022
ATTORNEY DOCKET NUMBER:	38136-0081004
NAME OF SUBMITTER:	KIRSTIN MATTEO
SIGNATURE:	/kirstin matteo/
DATE SIGNED:	07/17/2019
Total Attachments: 5	
source=38136-0081004; SA7889 - assignment (corrected) - FILED#page1.tif	

source=38136-0081004; SA7889 - assignment (corrected) - FILED#page2.tif
source=38136-0081004; SA7889 - assignment (corrected) - FILED#page3.tif
source=38136-0081004; SA7889 - assignment (corrected) - FILED#page4.tif
source=38136-0081004; SA7889 - assignment (corrected) - FILED#page5.tif

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1

Stylesheet Version v1.2

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>Mahmoud Bahy Nouredin</td><td>03/21/2016</td></tr><tr><td>Akram Hamed Kamel</td><td>03/06/2016</td></tr></tbody></table>	Name	Execution Date	Mahmoud Bahy Nouredin	03/21/2016	Akram Hamed Kamel	03/06/2016					
Name	Execution Date										
Mahmoud Bahy Nouredin	03/21/2016										
Akram Hamed Kamel	03/06/2016										
RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>SAUDI ARABIAN OIL COMPANY</td></tr><tr><td>Street Address:</td><td>1 EASTERN AVENUE</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:	1 EASTERN AVENUE	City:	DHAHRAN	State/Country:	SAUDI ARABIA	Postal Code:	31311	
Name:	SAUDI ARABIAN OIL COMPANY										
Street Address:	1 EASTERN AVENUE										
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>16406995</td></tr></tbody></table>	Property Type	Number	Application Number:	16406995							
Property Type	Number										
Application Number:	16406995										
CORRESPONDENCE DATA											
Fax Number: (877)769-7945											
Phone: +1 (214) 292-4049											
Email: mattioli@fr.com, apsi@fr.com											
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>											
Correspondent Name: PATRIC J. HAN											
Address Line 1: FISH & RICHARDSON P.C.											
Address Line 2: P.O.BOX 1022											
Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022											
ATTORNEY DOCKET NUMBER:	38136-0081004										
NAME OF SUBMITTER:	KIRSTIN MATTIOLI										
Signature:	/kirstin mattioli/										
Date:	05/10/2019										
Total Attachments: 3 source=38136-0081xxx; SA7889 - assignment - SIGNED#page1.tif source=38136-0081xxx; SA7889 - assignment - SIGNED#page2.tif source=38136-0081xxx; SA7889 - assignment - SIGNED#page3.tif											
PATENT REEL: 049777 FRAME: 0039											

RECEIPT INFORMATION

EPAS ID: PAT5517925
Receipt Date: 05/10/2019

ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, MAHMOUD BAHY MAHMOUD NOURELDIN and AKRAM HAMED MOHAMED KAMEL, 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 "KALINA CYCLE BASED CONVERSION OF GAS PROCESSING PLANT WASTE HEAT INTO POWER," and was filed in the United States Patent and Trademark Office on December 22, 2015, as application 14/978,085 (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. Bahy Noureldin
Mahmoud Bahy Mahmoud Noureldin

Date: March 21, 2016

Witnessed by:

Signature: [Signature]

Date: 3/21/2016

Print Name: Manal Al-Owaidh

Signature: [Signature]

Date: 03/21/2016

Print Name: Zeesham Farooq

Akram
Akram Hamed Mohamed Kamel

Date: 03/06/2016

Witnessed by:

Signature: [Signature]

Date: 3/21/2016

Print Name: Mona Al-Duwaila

Signature: [Signature]

Date: 03/21/2016

Print Name: Zeenan Farooq

90972053.doc