

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
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EPAS ID: PAT4645083

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MR. YOUSEF ABDULLAH ALMOTLAQ	10/09/2017
DR. MAZEN ABDULLAH BAABBAD	10/04/2017
DR. HANY ABDULRAHMAN ALANSARY	10/09/2017
DR. ESSAM ABDULAZIZ AL AMMAR	10/15/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	KING SAUD UNIVERSITY
<b>Street Address:</b>	P.O. BOX 800
<b>City:</b>	RIYADH
<b>State/Country:</b>	SAUDI ARABIA
<b>Postal Code:</b>	11421
<b>Name:</b>	QUDRA ENERGY COMPANY
<b>Street Address:</b>	P.O. BOX 93757
<b>City:</b>	RIYADH
<b>State/Country:</b>	SAUDI ARABIA
<b>Postal Code:</b>	11683
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15786458
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(800)472-8368
<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>	
<b>Phone:</b>	(703) 486-1000
<b>Email:</b>	rlyons@nathlaw.com
<b>Correspondent Name:</b>	ROBERT B. LYONS
<b>Address Line 1:</b>	112 S. WEST STREET
<b>Address Line 2:</b>	NATH, GOLDBERG & MEYER
<b>Address Line 4:</b>	ALEXANDRIA, VIRGINIA 22314
<b>ATTORNEY DOCKET NUMBER:</b>	32903.19

<b>NAME OF SUBMITTER:</b>	ROBERT B. LYONS
<b>SIGNATURE:</b>	/ROBERT B. LYONS REG. 40708/
<b>DATE SIGNED:</b>	10/17/2017
<b>Total Attachments: 2</b> source=32903_19_assignment#page1.tif source=32903_19_assignment#page2.tif	

ASSIGNMENT

WHEREAS, YOUSEF ABDULLAH ALMOTLAQ, a citizen/citizens of Saudi Arabia, residing at/whose address is QUDRA ENERGY COMPANY, P.O. BOX 93757, RIYADH 11683, SAUDI ARABIA; MAZEN ABDULLAH BAABBAD, a citizen/citizens of Saudi Arabia, residing at/whose address is QUDRA ENERGY COMPANY, P.O. BOX 93757, RIYADH 11683, SAUDI ARABIA; HANY ABDULRAHMAN ALANSARY, a citizen/citizens of Saudi Arabia, residing at/whose address is KING SAUD UNIVERSITY, MECHANICAL ENGINEERING DEPT., P.O. BOX 800, RIYADH 11421, SAUDI ARABIA; and ESSAM ABDULAZIZ AL AMMAR, a citizen/citizens of Saudi Arabia, residing at/whose address is KING SAUD UNIVERSITY, ELECTRICAL ENGINEERING DEPT., P.O. BOX 800, RIYADH 11421, SAUDI ARABIA, hereinafter called the "Assignor(s)", who presently own(s) the invention entitled SOLAR HEATING APPARATUS, for a full description of which reference is made to a non-provisional application for Letters Patent of the United States Serial Number \_\_\_\_\_ (to be assigned) filed on \_\_\_\_\_, 20\_\_\_\_, (filed herewith under Attorney Docket No. 32903.19), and

WHEREAS, KING SAUD UNIVERSITY, a university organized and existing under the laws of the Kingdom of Saudi Arabia, having its principal place of business/business address at P.O. BOX 800, RIYADH 11421, SAUDI ARABIA, and QUDRA ENERGY COMPANY, a corporation organized and existing under the laws of the Kingdom of Saudi Arabia, having its principal place of business/business address at P.O. BOX 93757, RIYADH 11683, SAUDI ARABIA hereinafter called the "Assignees", are desirous of acquiring the entire right, title and interest in and to said invention, the above noted application, and to any Letters Patent which may be obtained for said invention, and as hereinafter more fully set forth,

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that for and in the consideration of the sum of One Dollar (\$1.00) and other valuable and legally sufficient consideration, the receipt of which by said Assignor(s) from said Assignee is hereby acknowledged, the said Assignor(s) has/have sold, assigned and transferred, and by these presents does/do sell, assign and transfer unto the said Assignee, the entire right, title and interest in the United States to the invention and above noted application, and in and to any division, continuation, or continuation-in-part of said application, and in and to any Letters Patent of the United States and reissues and extensions thereof that may issue for said invention, together with the entire right, title and interest in and to said invention and applications for Letters Patent and Letters Patent therefor in all countries foreign to the United States; to have and to hold for the sole and exclusive use and benefit of the said Assignee, its successors and assigns, to the full end of the term or terms for which any and all of said Letters Patent for said invention may issue.

AND the said Assignor(s) does/do hereby covenant and agree, for himself/themselves and his/their legal representatives, that he/they will assist said Assignee in making and prosecuting any other applications for Letters Patent that the said Assignee may elect to make covering the invention herein identified, as hereinbefore set forth, investing in the said Assignee like exclusive title in and to all such other applications and Letters Patent, together with all claims for

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damages and profits by reason of past infringement of all or any of the patents issuing from the Patent Application, with the right to sue for and collect same for Assignee's own use (and for the use of Assignee's successors and assigns); and in the prosecution of any interference which may arise involving said invention, or any application for Letters Patent herein contemplated; and that he/they will execute and deliver to the said Assignee any and all additional papers which may be requested by the said Assignee to fully carry out the terms of this agreement.

AND the Commissioner of Patents and Trademarks is hereby authorized and requested to issue Letters Patent to the said Assignee in accordance with the terms of this agreement.

IN TESTIMONY WHEREOF, said Assignor, YOUSEF ABDULLAH ALMOTLAQ, has hereunto set his hand and affixed his seal this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

  
9/10/2017 [SEAL]  
YOUSEF ABDULLAH ALMOTLAQ

IN TESTIMONY WHEREOF, said Assignor, MAZEN ABDULLAH BAABBAD, has hereunto set his hand and affixed his seal this 1<sup>st</sup> day of Oct., 2017.

  
[SEAL]  
MAZEN ABDULLAH BAABBAD

IN TESTIMONY WHEREOF, said Assignor, HANY ABDULRAHMAN ALANSARY, has hereunto set his hand and affixed his seal this 9<sup>th</sup> day of October, 2017.

  
[SEAL]  
HANY ABDULRAHMAN ALANSARY

IN TESTIMONY WHEREOF, said Assignor, ESSAM ABDULAZIZ AL AMMAR, has hereunto set his hand and affixed his seal this 15 day of OCT., 2017.

  
[SEAL]  
ESSAM ABDULAZIZ AL AMMAR