

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT2665650

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>LUZENG ZHANG</td> <td>12/03/2013</td> </tr> <tr> <td>JUAN YIN</td> <td>12/03/2013</td> </tr> <tr> <td>HEE KOO MOON</td> <td>12/03/2013</td> </tr> </tbody> </table>		Name	Execution Date	LUZENG ZHANG	12/03/2013	JUAN YIN	12/03/2013	HEE KOO MOON	12/03/2013
Name	Execution Date								
LUZENG ZHANG	12/03/2013								
JUAN YIN	12/03/2013								
HEE KOO MOON	12/03/2013								
RECEIVING PARTY DATA									
Name:	SOLAR TURBINES INCORPORATED								
Street Address:	2200 PACIFIC HIGHWAY								
City:	SAN DIEGO								
State/Country:	CALIFORNIA								
Postal Code:	92101								
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>14146469</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14146469				
Property Type	Number								
Application Number:	14146469								
CORRESPONDENCE DATA									
Fax Number:									
Phone:	619-235-0398								
Email:	docketing@procopio.com								
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>									
Correspondent Name:	CATERPILLAR INC. PROCOPIO, CORY, HARGREA								
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Address Line 4:	SAN DIEGO, CALIFORNIA 92101								
NAME OF SUBMITTER:	WAYNE MAHONEY								
Signature:	/Wayne Mahoney/								
Date:	01/02/2014								
Total Attachments: 4 source=epas assignment 119061-131151#page1.tif source=epas assignment 119061-131151#page2.tif source=epas assignment 119061-131151#page3.tif source=epas assignment 119061-131151#page4.tif									

ASSIGNMENT

WHEREAS I/We, the below named inventor(s), [hereinafter referred to as Assignor(s)], have made an invention entitled:

NOZZLE ENDWALL FILM COOLING WITH AIRFOIL COOLING HOLES

for which I/We will or have filed a patent application; and

WHEREAS, **SOLAR TURBINES INCORPORATED**, a corporation of Delaware whose post office address is 2200 Pacific Highway, San Diego, CA 92101, United States of America (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, and in and to the patent application for this invention and any and all patents to be issued upon this application throughout the world;

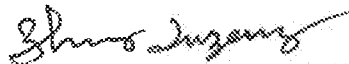
NOW THEREFORE, be it known that for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I/We, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention, and this application, and all divisions, and continuations thereof, and all patents which may be granted thereon, and all reissues thereof, as well as all rights to claim priority in any country or jurisdiction or patent office on the basis of this application, and all applications for patents which may hereafter be filed for this invention in any country or jurisdiction or patent office and all patents which may be granted on this invention in any country or jurisdiction or patent office, and all extensions, renewals, and reissues thereof; and I/We hereby authorize and request any official of any country or jurisdiction or patent office whose duty it is to issue patents on applications as described above, to issue all patents for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;


AND, I/WE HEREBY covenant that I/We have the full right to convey the interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with this Assignment;

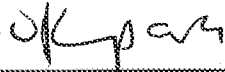
AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me/us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in any country or jurisdiction or patent office, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns;

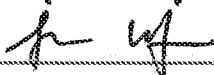
AND, I/WE HEREBY authorize Assignee or the attorneys/representatives of Assignee to insert here in parentheses the country, application number, and official filing date (US Application No. 14/146,469, filed 02-JAN-2014).


IN TESTIMONY WHEREOF, I/We have hereunto set our hands.

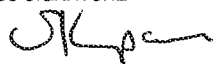
1. FULL NAME OF SOLE OR FIRST ASSIGNOR Luzeng Zhang	ASSIGNOR'S SIGNATURE 	DATE 12/3/2013
ADDRESS 6110 Erlanger St. San Diego, CA 92122		CITIZENSHIP US


1. WITNESS NAME Michael Dennison Fox	WITNESS SIGNATURE 	DATE 12/3/2013
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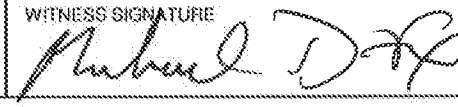
2. WITNESS NAME Anquwhe Okpara	WITNESS SIGNATURE 	DATE 12/3/2013
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2. FULL NAME OF SECOND ASSIGNOR, IF ANY Juan Yin	ASSIGNOR'S SIGNATURE 	DATE 12/3/2013
ADDRESS 3775 Torrey View Court, San Diego, CA 92130	CITIZENSHIP CN	

1. WITNESS NAME Michael Dennison Fox	WITNESS SIGNATURE 	DATE 12/3/2013
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2. WITNESS NAME NNAWHIHE OKPARA	WITNESS SIGNATURE 	DATE 12-3-2013
ADDRESS 2828 ALTA VIEW DR, E, SAN DIEGO, CA 92135	CITIZENSHIP US	

3. FULL NAME OF THIRD ASSIGNOR, IF ANY Hee Koo Moon	ASSIGNOR'S SIGNATURE 	DATE 12-3-2013
ADDRESS 13374 Greenstone Court, San Diego, CA 92131		CITIZENSHIP US

1. WITNESS NAME Michael Dennison Fox	WITNESS SIGNATURE 	DATE 12-3-2013
ADDRESS 2344 Bancroft Street San Diego, CA 92104		CITIZENSHIP US

2. WITNESS NAME NNAWUHE OKPARA	WITNESS SIGNATURE 	DATE 12-3-2013
ADDRESS 2828 ALTA VIEW DR, E, SANDIEGO CA 92139		CITIZENSHIP US