

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT2739907

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>MICHAEL JAMES CAVE</td><td>01/13/2014</td></tr><tr><td>RICARDO BENJAMIN TORRES</td><td>01/10/2014</td></tr><tr><td>GUSTAAF BERNARDUS JACOBS</td><td>01/14/2014</td></tr></tbody></table>		Name	Execution Date	MICHAEL JAMES CAVE	01/13/2014	RICARDO BENJAMIN TORRES	01/10/2014	GUSTAAF BERNARDUS JACOBS	01/14/2014		
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MICHAEL JAMES CAVE	01/13/2014										
RICARDO BENJAMIN TORRES	01/10/2014										
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RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>SOLAR TURBINES INCORPORATED</td></tr><tr><td>Street Address:</td><td>2200 PACIFIC HIGHWAY</td></tr><tr><td>City:</td><td>SAN DIEGO</td></tr><tr><td>State/Country:</td><td>CALIFORNIA</td></tr><tr><td>Postal Code:</td><td>92101</td></tr></table>		Name:	SOLAR TURBINES INCORPORATED	Street Address:	2200 PACIFIC HIGHWAY	City:	SAN DIEGO	State/Country:	CALIFORNIA	Postal Code:	92101
Name:	SOLAR TURBINES INCORPORATED										
Street Address:	2200 PACIFIC HIGHWAY										
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State/Country:	CALIFORNIA										
Postal Code:	92101										
<table border="1"><tr><td>Name:</td><td>SAN DIEGO STATE UNIVERSITY RESEARCH FOUNDATION</td></tr><tr><td>Street Address:</td><td>5250 CAMPANILE DRIVE</td></tr><tr><td>City:</td><td>SAN DIEGO</td></tr><tr><td>State/Country:</td><td>CALIFORNIA</td></tr><tr><td>Postal Code:</td><td>92182</td></tr></table>		Name:	SAN DIEGO STATE UNIVERSITY RESEARCH FOUNDATION	Street Address:	5250 CAMPANILE DRIVE	City:	SAN DIEGO	State/Country:	CALIFORNIA	Postal Code:	92182
Name:	SAN DIEGO STATE UNIVERSITY RESEARCH FOUNDATION										
Street Address:	5250 CAMPANILE DRIVE										
City:	SAN DIEGO										
State/Country:	CALIFORNIA										
Postal Code:	92182										
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>14154947</td></tr></tbody></table>		Property Type	Number	Application Number:	14154947						
Property Type	Number										
Application Number:	14154947										
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										
Address Line 1:	525 B STREET SUITE 2200										
Address Line 4:	SAN DIEGO, CALIFORNIA 92101										

PATENT

ATTORNEY DOCKET NUMBER:	119061-131181
NAME OF SUBMITTER:	WAYNE MAHONEY
Signature:	/Wayne Mahoney/
Date:	02/24/2014
<p>Total Attachments: 4 source=epas assignment 119061-131181#page1.tif source=epas assignment 119061-131181#page2.tif source=epas assignment 119061-131181#page3.tif source=epas assignment 119061-131181#page4.tif</p>	

## ASSIGNMENT

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

### SYNTHETIC JETS IN COMPRESSORS

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 and San Diego State University Research Foundation, a not for profit organized under the laws of California whose post office address is 5250 Campanile Drive, San Diego, CA 92182, United States of America (hereinafter referred to as Assignees), are desirous of jointly 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;

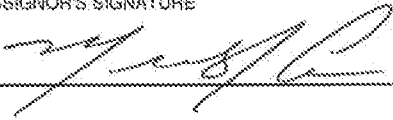
NOW THEREFORE, be it known that for good and valuable consideration the receipt of which from Assignees is hereby acknowledged, I/We, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignees, its lawful successors and assigns, 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 Assignees, its successors and assigns, in accordance with the terms of this Assignment;

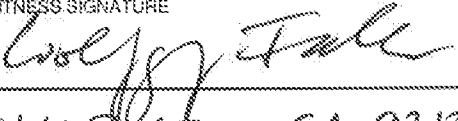
AND, I/WE HEREBY covenant that I/We have the full right to convey the interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with this Assignment;


AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignees, 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 Assignees, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignees, 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 Assignees, its successors and assigns;

AND, I/WE HEREBY authorize Assignees or the attorneys/representatives of Assignees to insert here in parentheses the country, application number, and official filing date ( US Application No. 14/154,947, filed 01-14-2014 ).

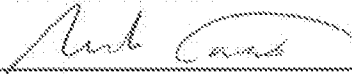
IN TESTIMONY WHEREOF, I/We have hereunto set our hands.

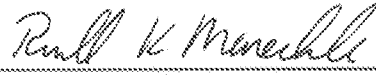
1. FULL NAME OF SOLE OR FIRST ASSIGNOR Michael James Cave	ASSIGNOR'S SIGNATURE 	DATE 01-13-2014
ADDRESS 5054 Palermo Dr., Oceanside, CA 92057		CITIZENSHIP US

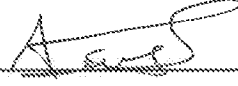
1. WITNESS NAME WOLFGANG FALLER	WITNESS SIGNATURE 	DATE 1/13/14
ADDRESS 4647 RUEDA DR, SAN DIEGO, CA 92124		CITIZENSHIP US

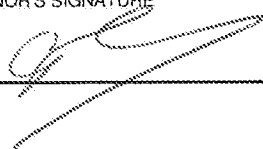
2. WITNESS NAME LEE FREEMAN	WITNESS SIGNATURE 	DATE 1/13/14
ADDRESS 1385 TRIUMPH DR, Poway CA 92064		CITIZENSHIP US

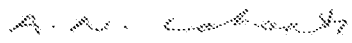
SOLE/JOINT INVENTION  
(Worldwide Rights)  
Attorney Docket No. 119061-131181  
Client Ref. No. 13-1181

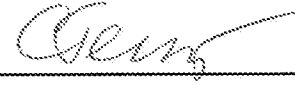
2. FULL NAME OF SECOND ASSIGNOR, IF ANY Ricardo Benjamin Torres	ASSIGNOR'S SIGNATURE 	DATE 1-10-14
ADDRESS 2130 Harrison Ave., San Diego, CA 92113		CITIZENSHIP US

1. WITNESS NAME Russell K. Marechale	WITNESS SIGNATURE 	DATE 1-10-14
ADDRESS 12721 Casa Vista Rd, Lakeside, CA 92040		CITIZENSHIP US

2. WITNESS NAME ANUBH T SINGH	WITNESS SIGNATURE 	DATE 1-10-14
ADDRESS 8865 SPECTRUM CENTER BLVD, #9205, SAN DIEGO, CA 92123		CITIZENSHIP US

3. FULL NAME OF THIRD ASSIGNOR, IF ANY Gustaaf Bernardus Jacobs	ASSIGNOR'S SIGNATURE 	DATE 1/14/2014
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1. WITNESS NAME ARASH NAGHIB-LAHOUTI	WITNESS SIGNATURE 	DATE Jan. 14, 2014
ADDRESS Unit 410, 5230 Fiore Terrace, San Diego, CA 92122		CITIZENSHIP Canadian

2. WITNESS NAME Svetlana Evgenyevna Jacobs	WITNESS SIGNATURE 	DATE 1/16/2014
ADDRESS 9438 Via Fortuna Marfil, LA MESA, CA 91941		CITIZENSHIP USA