

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>Stephane Pierre Guillaume BLANCHARD</td> <td>01/30/2013</td> </tr> <tr> <td>Laurent Pierre Joseph RICOU</td> <td>01/30/2013</td> </tr> </tbody> </table>		Name	Execution Date	Stephane Pierre Guillaume BLANCHARD	01/30/2013	Laurent Pierre Joseph RICOU	01/30/2013
Name	Execution Date						
Stephane Pierre Guillaume BLANCHARD	01/30/2013						
Laurent Pierre Joseph RICOU	01/30/2013						
RECEIVING PARTY DATA							
Name:	SNECMA						
Street Address:	2 Boulevard Du General Martial Valin						
City:	Paris						
State/Country:	FRANCE						
Postal Code:	75015						
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>13698208</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13698208		
Property Type	Number						
Application Number:	13698208						
CORRESPONDENCE DATA							
Fax Number:	7034132220						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	(703) 413-3000						
Email:	asomaiel@oblon.com						
Correspondent Name:	Oblon, Spivak, et al.						
Address Line 1:	1940 Duke Street						
Address Line 4:	Alexandria, VIRGINIA 22314						
ATTORNEY DOCKET NUMBER:	407835US41PCT						
NAME OF SUBMITTER:	Adel Samuel						
Total Attachments: 2 source=407835USAssignment#page1.tif source=407835USAssignment#page2.tif							

OP \$40.00 13698208

Assignment of Application

Page 1 of 2

WHEREAS, I (WE) BLANCHARD Stéphane, Pierre, Guillaume
27 Lotissement Le Hameau 77590 CHARTRETTES FRANCE
RICOU Laurent, Pierre, Joseph
16 rue Louis Beauvier 77000 MELUN FRANCE
_____, respectively,

INSERT NAMES
AND RESIDENCE
ADDRESS OF
THE INVENTORS:

INSERT TITLE
OF INVENTION:

have invented certain new and useful improvements in: A GAS TURBINE ENGINE ROTOR WHEEL HAVING
COMPOSITE MATERIAL BLADES WITH BLADE-ROOT TO DISK CONNECTION BEING OBTAINED
BY CLAMPING

(Application No. 13/698,208 , filed February 25, 2013), and

WHEREAS, SNECMA , ,

(hereinafter referred to as "ASSIGNEE") having a place of business at _____

SNECMA
2 Boulevard du Général Martial Valin
75015 PARIS
FRANCE

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

INSERT NAME
AND ADDRESS OF
COMPANY OR
OTHER ASSIGNEE

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, LLP. of 1940 Duke Street Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: January 30, 2013

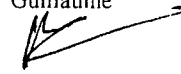
(Signature of Inventor)



BLANCHARD Stéphane, Pierre,
Guillaume

Date: January 30, 2013

(Signature of Inventor)



RICOU Laurent, Pierre, Joseph

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, LLP.
ATTORNEYS AT LAW
1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314