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2 SHEET

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Michael L.C. PAPPLE

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Execution Date: December 16, 2004

2. Name of receiving party(ies):

PRATT & WHITNEY CANADA CORP.

Address of receiving party(ies):

1000 Marie Victorin, (01BE5)

City: Longueuil, Quebec

State: Canada

ZIP: J4G 1A1

Additional name(s)/address(es) of conveying party(ies) attached? ☐ Yes ☒ No

19587 U.S. PTO  
11/016832

122104

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: December 20, 2004

A. Patent Application No(s)

B. Patent No(s).

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Nicolas Pellemans  
c/o OGILVY RENAULT

Address: 1981 McGill College Avenue  
Suite 1600

City: Montreal  
Quebec

State: Canada ZIP: H3A 2Y3

6. Total number of applications and patents involved:

One

7. Total fee (37 CFR 3.41): \$ 40.00

☐ Enclosed

☒ Authorized to be charged to deposit account.

8. Deposit Account number:

19-5113

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Nicolas Pellemans (Reg. 38,797)

Name of Person Signing

Signature

December 20, 2004

Date

Total number of pages comprising cover sheet:

3

## ASSIGNMENT

WHEREAS, I/We, **Michael L.C. PAPPLE** of 777 rue de la Noue, Apt. 305, Ile des Soeurs, Quebec, H3E 1V2, Canada; have invented certain new and useful improvements in **INTERNALLY COOLED GAS TURBINE AIRFOIL AND METHOD**, hereinafter the invention, for which we have made an application for letters patent of the United States which was executed herewith.

AND WHEREAS, **PRATT & WHITNEY CANADA CORP.**, 1000 Marie Victorin, (01BE5) Longueuil, Québec, J4G 1A1, Canada, hereafter the Assignee, is desirous of acquiring the entire right, title and interest to and under said invention and any United States letters patent that may be granted for such application.

NOW, for good and valuable consideration, the receipt of which is hereby acknowledged, I/we do hereby assign, sell and transfer to the Assignee the entire right, title and interest in and to said invention and said application for letters patent of the United States, and in and to all divisions and continuations of said application, and in and to any letters patent of the United States and all reissues and extensions thereof that may be granted, together with all rights of priority granted by local laws and treaties including any international convention for the protection of industrial property, together with the right to extend the protection for said letters patent of the United States to the various territorial possessions now owned or which may be hereafter acquired by the United States of America, and all applications for letters patent which may hereafter be filed for said invention in any country or countries foreign to the United States, and all extensions, renewals and reissues thereof, all said rights to be held and enjoyed by the Assignee, its successors, legal representatives and assigns, to the full end of the term for which said letters patent for all such countries may be granted, as fully and entirely as the same would have been held and enjoyed by us if this assignment had not been made. I/We do hereby request and authorize that any and all letters patent, when granted, be issued in accordance with this assignment to the Assignee.

In further consideration of said good and valuable consideration, I/we covenant and agree with the Assignee that they have a full and unencumbered title to the invention hereby assigned, which title I/we warrant unto the Assignee, and I/we further agree that I/we will, without demanding any further consideration therefor, at the request but at the expense of the Assignee, do all lawful and just acts, including the execution and acknowledgment of instruments, furnishing of information and giving of testimony, that may be or become necessary for obtaining, sustaining, or reissuing United States and foreign letters patents for

said invention, and for maintaining and perfecting the Assignee's right to said invention and letters patent, particularly in cases of interference and litigation.

IN TESTIMONY WHEREOF, I/We have hereunto set my/our hand(s), this  
16<sup>th</sup> day of December 2004.

Signed at Longueuil, Quebec.

Michael L.C. PAPPLE  
Michael L.C. PAPPLE

Patricia Stewart-Reid  
Witness

Name & Address of Witness:

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ST-HUBERT, QC J3Y2Y1