

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
TIMOTHY REDFORD	06/17/2019
DAVID MENHEERE	06/17/2019
RICHARD KOSTKA	06/17/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	PRATT & WHITNEY CANADA CORP.
<b>Street Address:</b>	1000 MARIE-VICTORIN
<b>Internal Address:</b>	(01BE5)
<b>City:</b>	LONGUEUIL, QUEBEC
<b>State/Country:</b>	CANADA
<b>Postal Code:</b>	J4G 1A1
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16448508
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<b>NAME OF SUBMITTER:</b>	T. JAMES REID
<b>SIGNATURE:</b>	/T. James Reid/
<b>DATE SIGNED:</b>	02/13/2020
<b>Total Attachments: 2</b>	
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source=Assignment2577US#page2.tif	

## ASSIGNMENT

WHEREAS, We,

Timothy REDFORD of Campbellville, Ontario, Canada; David MENHEERE of Norval, Ontario, Canada and Richard KOSTKA of Bolton, Ontario, Canada; all with a mailing address of c/o Pratt & Whitney Canada Corp., 1000 Marie Victorin, (01BE5) Longueuil, Québec, J4G 1A1, Canada have invented certain new and useful improvements in

### GAS TURBINE ENGINE TIP CLEARANCE CONTROL SYSTEM

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, 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 acquired by the United States of America, and all applications for letters patent which may 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. 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, we covenant and agree with the Assignee that they have a full and unencumbered title to the invention hereby assigned, which title we warrant unto the Assignee, and we further agree that 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.

THIS ASSIGNMENT may be executed in counterparts, all of which shall be considered one and the same agreement.

IN WITNESS WHEREOF, Assignors have hereunto signed his name on the day and year set forth below.

DATED this 19 day of June 2019.

Date: 2019/06/19  
(YYYY/MM/DD)

Assignor :

X

Name: Timothy REDFORD

Witness :

X

Name:

SEAN ROCKARTS.

Date:

2019/06/17  
(YYYY/MM/DD)

Assignor :

X

Name: David MENHEERE

Witness :

X

Name:

SEAN ROCKARTS.

Date:

2019/06/17  
(YYYY/MM/DD)

Assignor :

X

Name: Richard KOSTKA

Witness :

X

Name:

SEAN ROCKARTS.