

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3354606

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MICHAEL ABRAHAM KARAM	05/14/2015
RECEIVING PARTY DATA	
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14319897
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DATE SIGNED:	05/14/2015
Total Attachments: 3	
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ASSIGNMENT

WHEREAS, Michael Abraham Karam of 5778 Arlington Drive, Plainfield, Indiana 46168, hereinafter referred to as Assignor, has made one or more new and useful inventions in GAS TURBINE ENGINE TIP CLEARANCE CONTROL for which Assignor has made or will make application for Letters Patent of the United States (hereinafter the "Application"); and

WHEREAS, Rolls-Royce Corporation, hereinafter referred to as Assignee, a corporation of the State of Delaware, having a place of business at 450 South Meridian Street, Indianapolis, Indiana 46225, desires to acquire all of the entire right, title and interest in, to and under the one or more inventions disclosed, described and claimed or intended so to be in the Application, and in, to and under the Application, and in, to and under any and all Letters Patent, United States and foreign, which may be obtained therefore and thereon;

NOW, THEREFORE, to all whom it may concern, be it known that for and in consideration of the sum of One Dollar (\$1.00) and other good, valuable and sufficient consideration to Assignor in hand paid, the receipt of which is hereby acknowledged, Assignor has sold, assigned and transferred, and by these presents do sell, assign and transfer unto Assignee, all of the entire right, title, and interest in, to and under the one or more inventions disclosed, described and claimed or intended so to be in the Application entitled GAS TURBINE ENGINE TIP CLEARANCE CONTROL, and any and all other applications thereon and arising therefrom, including any and all applications claiming the benefit thereof, and any and all divisions, continuations, and

continuations-in-part thereof, and any and all patents to be issued and obtained therefor and thereon, United States and foreign, including all reissues and extensions thereof.

Assignor acknowledges that the Application was executed concurrently herewith unless a different execution date is indicated in item (a) below. Assignor hereby authorizes Assignee, its counsel, or its agents to fill-in some or all of the following list of information items (a) and (b) at the discretion of the Assignee, its counsel, or its agents:

- (a) Patent Office Number of the Application: PCT/US2012/072143
- (b) Filing Date of the Application: December 28, 2012

Assignor hereby authorizes and requests the Honorable Assistant Secretary and Commissioner for Patents and Trademarks to issue said Letters Patent to Assignee, its assigns and legal representatives.

Assignor agrees to assign and execute any and all other papers necessary or desirable for the procurement of Letters Patent on said invention in this and all foreign countries for the use of Assignee.

WITNESS Assignor's hand this 14th day of May, 2015.

Michael Abraham Karam
Michael Abraham Karam

STATE OF Indiana)
) :SS
COUNTY OF Marion)

Before me, a Notary Public, in and for said County and State, personally appeared Michael Abraham Karam, who, being first duly sworn upon his oath, acknowledged the execution of the foregoing "Assignment" as his voluntary act and deed.

WITNESS my hand and Notarial Seal this _____ day of _____, 2015.

Notary Public

Printed: _____

Resident of _____ County

My Commission Expires:

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