504296451 03/29/2017

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4343132

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DOUGLAS D. DIERKSMEIER	01/13/2017
DANIEL K. VETTERS	01/13/2017
MICHAEL A. KARAM	02/13/2017

RECEIVING PARTY DATA

Name:	ROLLS-ROYCE NORTH AMERICAN TECHNOLOGIES, INC.
Street Address:	2059 S. TIBBS AVENUE
City:	INDIANAPOLIS
State/Country:	INDIANA
Postal Code:	46241

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15424164

CORRESPONDENCE DATA

Fax Number: (317)231-7433

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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Address Line 1: 11 S. MERIDIAN STREET

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ATTORNEY DOCKET NUMBER:	27163-259476/LWA11559
NAME OF SUBMITTER:	SAMUEL C. GIESTING
SIGNATURE:	/SCG/
DATE SIGNED:	03/29/2017

Total Attachments: 6

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PATENT 504296451 REEL: 041787 FRAME: 0135

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PATENT REEL: 041787 FRAME: 0136

Attorney	Docket	No.:	27163-25	9476	
Client Re	ference	No.	LWAI15	59	

ASSIGNMENT

	For good and valuable consideration, the receipt of which is hereby acknowledged,
Name(s) of Inventor(s)	Douglas D. Dierksmeier
	maker(s) of an invention which is the subject of an application for Letters Patent of the United States ("Application") entitled
Title of Application	GAS TURBINE ENGINE WITH THERMOELECTRIC INTERCOOLER
Serial No.: Filing Date:	15/424,164 February 03, 2017
5	the undersigned (hereinafter "Assignors") hereby sell(s), assign(s), and set(s) over to
Name of Assignee	Rolls-Royce North American Technologies, Inc.
Address of	2059 S. Tibbs Ave.
Assignee Business	Indianapolis, Indiana 46241
Insert State of Incorporation (if applicable) or "Not Applicable"	a corporation of <u>Delaware</u>

(hereinafter designated as the Assignee) their entire right, title, and interest in, to, and under the Application, any and all patent applications filed in the United States and in all other countries claiming priority to the Application, all inventions disclosed therein, and any and all Letters Patent of the United States and of all other countries that may be granted for such inventions, all rights in such Letters Patent to be held and enjoyed by Assignee for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by Assignors had this assignment not been made.

The Assignors agree to execute any and all papers in connection with the Application, any and all patent applications filed in the United States and in all other countries claiming priority to the Application, and any Letters Patent issuing therefrom, and also to execute separate assignments as the Assignee may deem necessary or desirable.

The Assignors agree to execute any and all papers in connection with any litigation or any administrative proceeding concerning the Application, any and all patent applications filed in the United States and in all other countries claiming priority to the Application, or any Letters Patent issuing therefrom, and also to cooperate with the Assignee in every way possible in obtaining evidence and participating in any such litigation or proceeding.

The Assignors agree to execute any and all papers and to perform any and all acts which the Assignee may deem necessary or desirable in view of the provisions of the Patent Cooperation Treaty, the International Convention for Protection of Industrial Property, or similar agreements.

The Assignors agree to perform any and all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States and in all other countries where Assignee may desire patent protection, with specifications and claims in such form as shall be approved by Assignee, and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

The Assignors hereby covenant that they have the full right to convey the interests herein assigned, and that the Assignors have not executed, and will not execute, any agreement in conflict herewith.

The Assignors hereby grant the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent & Trademark Office for recordation of this document

te Bysentor (Signature)

Douglas D. Dierksmeier
Inventor (Printed)

INDS02 1362193v1

Attorney Docket No.: _	27163-259476
Client Reference No.: _	LWA11559

ASSIGNMENT

	For good and valuable consideration, the receipt of which is hereby acknowledged,
Name(s) of Inventor(s)	Daniel K. Vetters
or miromor(b)	
·.	
	maker(s) of an invention which is the subject of an application for Letters Patent of the United State ("Application") entitled
Title of Application	GAS TURBINE ENGINE WITH THERMOELECTRIC INTERCOOLER
Serial No.:	15/424,164
Filing Date:	February 03, 2017
Name of Assignee	the undersigned (hereinafter "Assignors") hereby sell(s), assign(s), and set(s) over to Rolls-Royce North American Technologies, Inc.
Address of	2059 S. Tibbs Ave.
Assignee Business	Indianapolis, Indiana 46241
Insert State of Incorporation (if applicable) or "Not Applicable"	a corporation of Delaware

(hereinafter designated as the Assignee) their entire right, title, and interest in, to, and under the Application, any and all patent applications filed in the United States and in all other countries claiming priority to the Application, all inventions disclosed therein, and any and all Letters Patent of the United States and of all other countries that may be granted for such inventions, all rights in such Letters Patent to be held and enjoyed by Assignee for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by Assignors had this assignment not been made.

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1/13/17 Data

Inventor (Signature)

Daniel K. Vetters

Inventor (Printed)

INDS02 1302193v1

Attorney Docket No .: .	27163-259476	
Client Reference No.:	LWA11559	

ASSIGNMENT

	For good and valuable consideration, the receipt of which is hereby acknowledged,
Name(s) of Inventor(s)	Michael A. Karam
	maker(s) of an invention which is the subject of an application for Letters Patent of the United States ("Application") entitled
Title of Application	GAS TURBINE ENGINE WITH THERMOELECTRIC INTERCOOLER
Serial No.: Filing Date:	15/424,164 February 03, 2017
	the undersigned (hereinafter "Assignors") hereby sell(s), assign(s), and set(s) over to
Name of Assignee	Rolls-Royce North American Technologies, Inc.
Address of	2059 S. Tibbs Ave.
Assignee Business	Indianapolis, Indiana 46241
Insert State of Incorporation (if applicable) or "Not Applicable"	a corporation of <u>Delaware</u>

(hereinafter designated as the Assignee) their entire right, title, and interest in, to, and under the Application, any and all patent applications filed in the United States and in all other countries claiming priority to the Application, all inventions disclosed therein, and any and all Letters Patent of the United States and of all other countries that may be granted for such inventions, all rights in such Letters Patent to be held and enjoyed by Assignee for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by Assignors had this assignment not been made.

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2/10/17	mm mm
Date	Inventor (Signature)
	Michael A. Karam
	Inventor (Printed)

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RECORDED: 03/29/2017

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