505547099 06/27/2019

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5593896

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
LINNEA TAKETA	01/22/2014
TED J. FREEMAN	01/14/2014

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16453438

CORRESPONDENCE DATA

Fax Number: (317)231-7433

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

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

aholt@btlaw.com Email:

BARNES & THORNBURG LLP Correspondent Name: Address Line 1: 11 S. MERIDIAN STREET

Address Line 4: INDIANAPOLIS, INDIANA 46204

ATTORNEY DOCKET NUMBER: 27163-297125/LWAG10758		
NAME OF SUBMITTER:	SAMUEL C. GIESTING	
SIGNATURE:	/SCG/	
DATE SIGNED:	06/27/2019	

Total Attachments: 4

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Attorney Docket No.:	27163-227521
Client Reference No.:	LWA-10758

ASSIGNMENT

	For good and valuable consideration, the receipt of which is hereby acknowledged.
Name(s) of Inventor(s)	Linnea Taketa
	maker(s) of an invention which is the subject of an application for Letters Patent of the United State ("Application") entitled
Title of	GAS TURBINE ENGINE VANE END DEVICES
Application	
Serial No.:	14/132,738
Filing Date:	12-18-2013
Name of Assignee	the undersigned (hereinafter "Assignors") hereby sell(s), assign(s), and set(s) over to Rolls-Royce North American Technologics, Inc.
Address of	2059 S. Tibbs Avenue
Assignee	way and the way of the same of
Business	Indianapolis, Indiana 46241
Insert State of Incorporation (if applicable) or "Not Applicable"	a corporation of <u>Delaware</u>

(hereinafter designated as the Assignce) 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 Assignce 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.

IN WITNESS WI	TEREOF. I have exer	outed this assignment at	Indiovapolis	IN USA
	Jamany	, 2014		r country if outside USA)
Outside the USA:	~		Levin Ta	Let
Witnesses are required when acknowledgment	Witness		Inventor (Signature)
			Linnea Taketa	
Public is not feasible.	Witness		Inventor (Printed N	ame)
w ,		ACKNOWLED	GMENT	
STATE OF Indiana	}-	6.1		
COUNTY OF Marlon				2
Acknowledged be	efore me, a Notary Po	within and for said 20	i County and State. Witness	my hand and Notarial Sca
this <u>Dand</u> day of			Notary Public	
			Printed Name	
My Commission Expires:_	_0696-86-80_	······································	Resident of Hendrick	<u>S</u> County
HENDRICK THE	GER RESIDENCE SEAL SEAL SUNTY STATE			

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Attorney Docket No.:	27163-227521
Client Reference No.:	

ASSIGNMENT

	For good and valuable consideration, the receipt of which is hereby acknowledged,
Name(s) of Inventor(s)	Ted J. Freeman
	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 VANE END DEVICES
Serial No.: Filing Date:	14/132.738 12-18-2013
	the undersigned (hereinafter "Assignors") hereby sell(s), assign(s), and set(s) over to
Name of Assignce	Rolls-Royce North American Technologies, Inc.
Address of Assignce	2059 S. Tibbs Avenue
Business	Indianapolis, Indiana 46241
Insert State of Incorporation (if applicable) or "Not Applicable"	a corporation of Delaware

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

IN WITNESS WHEREOF, I have executed this as this 14 day of JANUARY.	(city and state or country if outside USA)
Outside the USA: Witnesses are Witness required when acknowledgment before a Notary Public is not Witness feasible.	Ted J. Freeman Inventor (Printed Name)
AC	INOWLEDGMENT
STATE OF Inclians SS:	
Acknowledged before me, a Notary Public, within this VAHA day of Jersey	and for said County and State. Witness my hand and Notarial Sea
My Commission Expires: CE-08-0000	Resident of <u>Herdricks</u> County

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