## 505065113 08/27/2018

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
MICHEL S. SMALLWOOD	08/10/2018
MARK A. HERBERTZ	08/13/2018
KENNETH W. FROEMMING	08/15/2018
JACK D. PETTY	08/09/2018

#### **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:	16109251

## **CORRESPONDENCE DATA**

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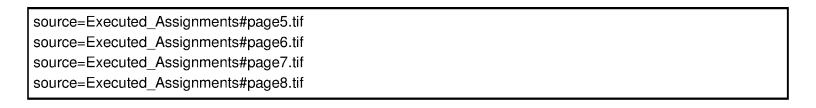
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ATTORNEY DOCKET NUMBER:	27163-279620/LWA12147
NAME OF SUBMITTER:	SAMUEL C. GIESTING
SIGNATURE:	/SCG/
DATE SIGNED:	08/27/2018

## **Total Attachments: 8**

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PATENT 505065113 REEL: 046713 FRAME: 0343



Attorney Docket No.:	27163-279620
Client Reference No.:	LWA12147

## ASSIGNMENT

	For good and valuable consideration, the receipt of which is hereby acknowledged,
Name(s) of Inventor(s)	Michel S. Smallwood
	maker(s) of an invention which is the subject of an application for Letters Patent of the United States ("Application") entitled
Title of Application	DEFLECTION SEAL SYSTEM
Serial No.: Filing Date:	16/109,251 08/22/2018
	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 Assignee	2059 S. Tibbs Ave.
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 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.

8/10/2018	Michel S. Snallwood
Date	Inventor (Signature)
	Michel S. Smallwood
	Inventor (Printed)

Attorney Docket No.:	27163-279620
Client Reference No.:	LWA12147

## ASSIGNMENT

	For good and valuable consideration, the receipt of which is hereby acknowledged,
Name(s) of Inventor(s)	Mark A. Herbertz
	maker(s) of an invention which is the subject of an application for Letters Patent of the United States ("Application") entitled
Title of Application	DEFLECTION SEAL SYSTEM
Serial No.: Filing Date:	16/109,251 08/22/2018
	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 Assignee	2059 S. Tibbs Ave.
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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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.

8/13/2018	Mark d. Herbertz
Date	Inventor (Signature)
	N 1 4 W 1 .
	Mark A. Herbertz Inventor (Printed)

Attorney Docket No.:	27163-279620
Client Reference No.:	LWA12147

## ASSIGNMENT

	For good and valuable consideration, the receipt of which is hereby acknowledged,
Name(s) of Inventor(s)	Kenneth W. Froemming
	maker(s) of an invention which is the subject of an application for Letters Patent of the United States ("Application") entitled
Title of Application	DEFLECTION SEAL SYSTEM
Serial No.: Filing Date:	16/109,251 08/22/2018
	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 Assignee	2059 S. Tibbs Ave.
Business	Indianapolis, Indiana 46241
Insert State of Incorporation (if applicable) or "Not Applicable"	a corporation of

(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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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.

8/15/2018	kenneth W. Froemming
Date	Inventor (Signature)
	Kenneth W. Froemming
	Inventor (Printed)

Attorney Docket No.:	27163-279620
Client Reference No.:	LWA12147

## ASSIGNMENT

	For good and valuable consideration, the receipt of which is nereby acknowledged,
Name(s) of Inventor(s)	Jack D. Petty
	maker(s) of an invention which is the subject of an application for Letters Patent of the United States ("Application") entitled
Title of Application	DEFLECTION SEAL SYSTEM
Serial No.: Filing Date:	16/109,251 08/22/2018
	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 Assignee	2059 S. Tibbs Ave.
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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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.

8/9/2018	Jack D. Petty	
Date	Inventor (Signature)	_
	Jack D. Petty Inventor (Printed)	

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**RECORDED: 08/27/2018** 

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