

## PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT3747563

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ROBERT A. RESS JR.	12/07/2015
STEVE STRATTON	12/03/2015
MATTHEW J. STARR	02/11/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ROLLS-ROYCE NORTH AMERICAN TECHNOLOGIES, INC.
<b>Street Address:</b>	2059 SOUTH TIBBS AVENUE
<b>City:</b>	INDIANAPOLIS
<b>State/Country:</b>	INDIANA
<b>Postal Code:</b>	46241
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	13637619
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(630)286-7611
<i>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.</i>	
<b>Phone:</b>	630-286-7600
<b>Email:</b>	mail@mfgip.com
<b>Correspondent Name:</b>	MCCRACKEN & GILLEN LLC
<b>Address Line 1:</b>	1315 WEST 22ND STREET
<b>Address Line 2:</b>	SUITE 225
<b>Address Line 4:</b>	OAK BROOK, ILLINOIS 60523
<b>ATTORNEY DOCKET NUMBER:</b>	C0537/LWA10595US2
<b>NAME OF SUBMITTER:</b>	GARY R. GILLEN
<b>SIGNATURE:</b>	/Gary R. Gillen/
<b>DATE SIGNED:</b>	02/19/2016
<b>Total Attachments: 6</b>	
source=2015_12_07_LWA10595US2_C0537_LWA10595US2_Exec_Assignment_Ress#page1.tif	
source=2015_12_07_LWA10595US2_C0537_LWA10595US2_Exec_Assignment_Ress#page2.tif	
source=2015_12_03_LWA10595US2_C0537_LWA10595US2_Exec_Assignment_Stratton#page1.tif	

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source=2016\_02\_11\_LWA10595US2\_C0537\_LWA10595US2\_Exec\_Assignment\_Starr#page2.tif

## ASSIGNMENT

Serial No: 13/637,619  
Filed: April 18, 2013

For One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and with the intention of being legally bound hereby, the undersigned hereby assign to ROLLS-ROYCE NORTH AMERICAN TECHNOLOGIES, INC., 2059 South Tibbs Avenue, Indianapolis, Indiana 46241, (hereinafter "assignee"), its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States, entitled "ADAPTIVE FAN SYSTEM FOR A VARIABLE CYCLE TURBOFAN ENGINE", and in said application and any and all other applications, both United States and foreign, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any reissue or extension thereof.

The undersigned hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said assignee.

The undersigned hereby authorize and request the attorneys of record in said application to insert in this assignment the execution date and/or filing date and serial number of said application when officially known.

The undersigned warrant themselves to be the owners of the interest herein assigned and to have the right to make this assignment and further warrant that there are no outstanding prior assignments, licenses, or other rights in the interest herein assigned.

For said consideration the undersigned hereby agree, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all divisional, continuation, continuation-in-part and substitute applications for said invention or improvements, and any necessary oath, declaration, or affidavit relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application, and any and all applications and other documents for Letters Patent in foreign countries on said invention or improvements, that said assignee, its successors or assigns, may deem necessary or expedient, and for said consideration the undersigned further agree upon the request of said assignee, its successors or assigns, to cooperate to the best of the ability of the undersigned with said assignee, its successors or assigns, in any proceedings or transactions involving such application or patents, including the preparation and execution of documents and statements, giving and producing evidence, and performing, upon request, any and

all affirmative acts necessary to obtain and enforce said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in said assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by said assignee, its successors and assigns, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment and sale had not been made.

Signature: Robert A. R. Jr.  
ROBERT A. RESS, JR.

Date: 12/7/15

Signature: \_\_\_\_\_  
STEVE STRATTON

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
MATTHEW J. STARR

Date: \_\_\_\_\_

## **ASSIGNMENT**

**Serial No:** 13/637,619

**Filed:** April 18, 2013

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all affirmative acts necessary to obtain and enforce said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in said assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by said assignee, its successors and assigns, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment and sale had not been made.

Signature: \_\_\_\_\_  
ROBERT A. RESS, JR.

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
STEVE STRATTON

Date: 12/03/2015

Signature: \_\_\_\_\_  
MATTHEW J. STARR

Date: \_\_\_\_\_

## **ASSIGNMENT**

**Serial No:** 13/637,619  
**Filed:** April 18, 2013

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all affirmative acts necessary to obtain and enforce said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in said assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by said assignee, its successors and assigns, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment and sale had not been made.

Signature: \_\_\_\_\_  
ROBERT A. RESS, JR.

Date: \_\_\_\_\_

Signature: \_\_\_\_\_  
STEVE STRATTON

Date: \_\_\_\_\_

Signature:   
MATTHEW J. STARR

Date: 2/11/16