505950008 03/04/2020

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
CHARLES ALAN BULGRIN	02/06/2020
MATTHEW T. KUSH	11/13/2019
RUSTY M. GARNER	02/06/2020
CARL R. RUSSO	02/06/2020

RECEIVING PARTY DATA

Name:	ROLLS-ROYCE CORPORATION
Street Address:	450 S. MERIDIAN STREET
City:	INDIANAPOLIS
State/Country:	INDIANA
Postal Code:	46225-1103

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16685265

CORRESPONDENCE DATA

Fax Number:

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ATTORNEY DOCKET NUMBER:	1106-432US01/RCA12412US
NAME OF SUBMITTER:	KARI GREEN
SIGNATURE:	/Kari Green/
DATE SIGNED:	03/04/2020

Total Attachments: 4

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PATENT 505950008 REEL: 052015 FRAME: 0460

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PATENT REEL: 052015 FRAME: 0461 Attorney Docket No.:1106-432US01

<u>ASSIGNMENT</u>

For valuable consideration, we, Charles Alan Bulgrin of 2751 Sandstone Way, Apt. 299, Plainfield, IN 46168, Matthew T. Kush of 2185 Sunderland Drive, Martinsville, IN 46151, Rusty M. Gamer of 23 Oakwood Court, Brownsburg, IN 46112, and Carl R. Russo of 7757 Westerville Drive, Clayton, IN 46118 hereby assign to: Rolls-Royce Corporation, having a place of business at: 450 S. Meridian Street, Indianapolis, IN 46225-1103, United States of America, and its successors and assigns (collectively hereinafter called "the Assignee") the entire right, title, and interest throughout the world in the inventions and improvements which are the subject of an application for United States Patent signed by us, entitled TECHNIQUES AND ASSEMBLIES FOR JOINING COMPONENTS USING SOLID RETAINER MATERIALS, filed November 15, 2019, and assigned U.S. Serial Number 16/685, 265 ; this assignment including said application, (and do hereby authorize the Assignee and its representative to hereafter add herein such application number(s) and/or filing date(s) when known), any provisional, non-provisional, continuation, continuation-in-part, divisional, reissue, renewal, extension or other application for any of said inventions or improvements, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Date: <u>2/6/202</u>0

Charles Alan Bulgrin

RCA12412US

Date:	Matthew T. Kush
Date: 2 <u>/4/20</u>	<u> Asty M. Llun</u> Rusty M. Garner
Date: <u>2/6/20</u>	CaQ JC Phone Carl R. Russo

Attorney Docket No.:1106-432US01

ASSIGNMENT

For valuable consideration, we, Charles Alan Bulgrin of 2751 Sandstone Way, Apt. 299, Plainfield, IN 46168, Matthew T. Kush of 2185 Sunderland Drive, Martinsville, IN 46151, Rusty M. Garner of 23 Oakwood Court, Brownsburg, IN 46112, and Carl R. Russo of 7757 Westerville Drive, Clayton, IN 46118 hereby assign to: Rolls-Royce Corporation, having a place of business at: 450 S. Meridian Street, Indianapolis, IN 46225-1103, United States of America, and its successors and assigns (collectively hereinafter called "the Assignee") the entire right, title, and interest throughout the world in the inventions and improvements which are the subject of an application for United States Patent signed by us, entitled TECHNIQUES AND ASSEMBLIES FOR JOINING COMPONENTS USING SOLID RETAINER MATERIALS. filed November 15, 2019, and assigned U.S. Serial Number 16/685, 265 ; this assignment including said application, (and do hereby authorize the Assignee and its representative to hereafter add herein such application number(s) and/or filing date(s) when known), any provisional, non-provisional, continuation, continuation-in-part, divisional, reissue, renewal, extension or other application for any of said inventions or improvements, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Date:	 Charles Alan Bulorin

RCA12412US

Date: <u>///ov./3,2019</u>	Matthew T. Kush	
Date:	Rusty M. Garner	
Date:	Carl R. Rusco	

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