505466077 05/08/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Richard N. MARCH	11/07/2018

RECEIVING PARTY DATA

Name:	ROLLS-ROYCE plc		
Street Address:	62 Buckingham Gate		
City:	London		
State/Country:	Great Britain		
Postal Code:	SW1E 6AT		

PROPERTY NUMBERS Total: 1

Property Type	Number		
Application Number:	16406560		

CORRESPONDENCE DATA

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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.

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ATTORNEY DOCKET NUMBER: 186651	
NAME OF SUBMITTER: MONIQUE L. GRIFFITH	
SIGNATURE: /Monique L. Griffith/	
DATE SIGNED:	05/08/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 2

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PATENT 505466077 REEL: 049116 FRAME: 0325

ASSIGNMENT (BEING FILED FOR DUAL PURPOSE UNDER 37 CFR 1.63(e)) For Application with Filing Date on or after September 16, 2012

ASSIGNMENT

(1-8)	Insert Legal Name(s Inventor(s)) 01	MARCH, Richard N			
					le consideration paid to each of the undersigned, the receipt assign, and hereby does assign, transfer and set over to	and
(9)	Insert Name of Assignee		ROLLS-ROYO	ROLLS-ROYCE ple		
(10)	Insert Address of Assignee		62 Buckinghar	62 Buckingham Gate, London, SW1E 6AT, Great Britain		
(11)	for the United States of Ameri	ca as defi livisional,	ned in 35 U.S.C. §100, continuation, internatination certificates that	, in the inventional, confirm may be gran	ssigns and legal representatives, the entire right, title and int ion, and in all applications for patent including any and all nation, substitute and reissue application(s), and all Letters led on the invention known as anufacturing Gimbals	erest
Number, o	Number, or Foreign		6727 LMT			
	Application Number	(Attor	ney Docket No.	1866	51)
(12)	Alternative Identification for	(12)	U.S. Application	Number	16/406,560	
	filed applications	filed	May 8, 2	019		

- -1)—Each-undersigned agrees to execute all-papers necessary in connection with any application and/or patent for the invention and also to execute separate assignments in connection with such applications and patents as the Assignee may deem necessary.
- 2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning any application or patents for the invention and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.
- 3) Each undersigned agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.
- 4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignee.
- 5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office and other issuing authorities to issue any and all patents resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreement(s) in conflict herewith, and agrees that this assignment is binding on Assignor and Assignor's heirs, successors, assigns and legal representatives.
- 6) Each undersigned hereby grants the Assignee's agent the power to insert on this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

PATENT REEL: 049116 FRAME: 0326

(13) Declaration

As an above named inventor, I hereby declare that:

I believe I am the original inventor or an original joint inventor of a claimed invention (or claimed design) in the above-identified application for which this declaration is being submitted.

The application was made or authorized to be made by me.

I have reviewed and understand the contents of the above-identified application, including the claims, and am aware of the duty to disclose to the Office all information known to me to be material to patentiability as defined in 37 CFR §1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

In witness whereof, executed by the undersigned on the date opposite the undersigned name.

C13 4 6: CC5153				
(Print name)	MARCH, Richard	N	.et	
Bate	11-7-18	Inventor Signature		(SEAL)
	assignment should preferably utside the U.S.A. If neither, the			
Date	-7-18	. Witness		<u>Acentel</u>
Date 1	- JULY - 2018	, min	ATARA	A has some

PATENT REEL: 049116 FRAME: 0327

RECORDED: 05/08/2019