505422105 04/11/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Leo V LEWIS	06/06/2017
Vinod GOPALKRISHNA	06/06/2017

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:	15995779		

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: 184835

NAME OF SUBMITTER: JOVITA RUDD

SIGNATURE: /Jovita Rudd/

DATE SIGNED: 04/11/2019

Total Attachments: 3

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PATENT 505422105 REEL: 048854 FRAME: 0909

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

ASSIGNMENT

TEWIS LOOV

(1-8)	Insert Legal Name(s Inventor(s)) 01	GOPALKRISHNA, Vinod		
			ar (\$1.00) and other good and valuable consideration paid to each of the undersigned, the receipt wledged, each undersigned agrees to assign, and hereby does assign, transfer and set over to	and:	
(9)	Insert Name of Assig	gnee	ROLLS-ROYCE plc		
(10)	10) Insert Address of Assignee		62 Buckingham Gate, London, SW1E 6AT, Great Britain		
(11)	for the United States of Ameri provisional, non-provisional, o	ca as defi livisional	e) and Assignee's heirs, successors, assigns and legal representatives, the entire right, title and intrined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all l, continuation, international, confirmation, substitute and reissue application(s), and all Letters initiation certificates that may be granted on the invention known as Clearance Control Arrangement	erest	
	Number, or Foreign		6407 VJAY		
	Application Number	(Attor	rney Docket No. 184835		
(12)	Alternative	(12)	U.S. Application Number 15/995,779		
	Identification for filed applications	filed	June 1, 2018		

- 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: 048854 FRAME: 0910

(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 patentability 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.

Inven	ior			
(Print	name) LEWIS, Lec	V	, ,	
Date	6 JUNE 2017	Inventor Signat	ure Avanis.	(SEAL)
Cons			: (a) a Notary Public if within the U.S.A. gned before at least two witnesses who a	
Date	06 JUNE 2017	Witness	6 Alo	
Date	6 20NE 8017	Witness	A. Trumtofullibis	

(13) Declaration

RECORDED: 04/11/2019

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 patentability 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.

Invento	r						
(Print name)		GOPALKRISHNA, Vinod			1. M. R.C.		
Date		JUNE	2017	Inventor Signature		\$\footnote{B}\$	(SEAL)
Consu						blic if within the U.S.A. (b) ast two witnesses who also	
Date	06_	JUNE	2017	Witness		WHID-	
Date	06	7u NE 9	0/7	Witness	1 Tru	antofullin	

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