503165127 02/04/2015

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
lan Colin Deuchar CARE	01/20/2015
Stephane BARALON	01/20/2015

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:	14613744

CORRESPONDENCE DATA

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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ATTORNEY DOCKET NUMBER: 164822

NAME OF SUBMITTER: ANGELA M. NOLAN

SIGNATURE: /Angela M. Nolan/

DATE SIGNED: 02/04/2015

Total Attachments: 2

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PATENT 503165127 REEL: 034886 FRAME: 0232

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

ASSIGNMENT

	Insert	(1)	Ian Colin Deuchar CARE	(2)	Stephane BARALON
(1-8)	Legal Name(s)	(3)		(4)	
	of inventor(s)	(5)		(6)	
		(7)		(8)	
		the un		ency of which are h	r good and valuable consideration paid to each of ereby acknowledged, each undersigned agrees to
(9)	Insert Name of Assignee	(9)	ROLLS-ROYCE PLC		
(10)	Insert Address of Assignce	(10)	62 Buckingham Gate, Londo	n, SWIE 6AT, Gre	at Britain
		(hereinafter designated as the Assignee) and Assignee's heirs, successors, assigns and legal representatives, the entire right, title and interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all provisional, non-provisional, divisional, continuation, international, confirmation, substitute and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as			
(11) Insert Identification such as Title, Case Number, or Foreign		(11)	Blade Tip		
	Application Number	(Attor	ney Docket No. <u>164822</u>		
(12)	Alternative Identification for	(12)	U.S. Application Number	14/613,744	1
	filed applications	filed	February 4, 2015		

- 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 firm of OLIFF PLC 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.

(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(s) opposite the undersigned name(s).						
Date	20th January 2015	Inventor Signature	lan Colin Deuchar CARE	e (SEAL)			
Date	20 Jan 2015	Inventor Signature	Stephane BARALON Busala	(SEAL)			
Date		Inventor Signature		(SEAL)			
Date		Inventor Signature		(SEAL)			
Date		Inventor Signature		(SEAL)			
Date		Inventor Signature		(SEAL)			
Date		Inventor Signature		(SEAL)			
Date		Inventor Signature		(SEAL)			
neithei	This assignment should preferably be signed , then it should be signed before at least two wi		blic if within the $U.S.A.$ (b) a $U.S.$ Consul if outside there:	e U.S.A. If			
Date	20th Fernany 2015	Witness	for Ion Colin Deuchar CARE MA .				
Dute	20th Fenney 2015	Witness	for Ian Colin Deuchar CARE	Mrs			
Date	2014 Jan 2015	Witness	for Stephane BARALON M. N., L.	<i>n</i>			
Date	20th Jan 2015	Witness	for Stephane BARALON	Jet J			
Date		Witness					
Thursday		Witness					

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