# 503090779 12/08/2014 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3137384

SUBMISSION TYPE:			NEW ASSIGNMENT				
NATURE OF CONVEYANCE:			ASSIGNMENT				
CONVEYING PARTY	ΟΑΤΑ						
			Name Execution Da				
Oliver C TAYLOR-TIBB	OTT			11/24/2014			
RECEIVING PARTY D	ΑΤΑ						
Name:	Rolls-F	loyce	Plc				
Street Address:	65 Buc	65 Buckingham Gate					
City:	Londor	۱					
State/Country:	Great E	Britain					
Postal Code:	SW1E	SW1E 6AT					
PROPERTY NUMBER	S Total: 1						
Property Type			Number				
Application Number:		1456	3516				
Correspondence will be sent to the using a fax number, if provided; if the Phone:Phone:703-2Email:emailCorrespondent Name:JAMIAddress Line 1:OLIFAddress Line 2:P.O.							
Address Line 2:							
Address Line 2: Address Line 4:		ALEX	ANDRIA, VIRGINIA 22320-4850				
Address Line 2: Address Line 4: ATTORNEY DOCKET N		ALEX	ANDRIA, VIRGINIA 22320-4850				
Address Line 2: Address Line 4: ATTORNEY DOCKET N NAME OF SUBMITTER:		ALEX	ANDRIA, VIRGINIA 22320-4850 164101 CYNTHIA KLINE				
Address Line 2: Address Line 4: ATTORNEY DOCKET N NAME OF SUBMITTER BIGNATURE:		ALEX	ANDRIA, VIRGINIA 22320-4850 164101 CYNTHIA KLINE /Cynthia Kline/				
Address Line 2: Address Line 4: ATTORNEY DOCKET N NAME OF SUBMITTER:		ALEX	ANDRIA, VIRGINIA 22320-4850 164101 CYNTHIA KLINE				

### 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)	Oliver C TAYLOR-TIBBOT	r d	0		
(1-8)	Legal Name(s)	(3)		(4	·>		
	of Inventor(s)	(5)		{	9		
		(7)		(1	;)		
		In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, the receipt and sufficiency of which are hereby acknowledged, each undersigned agrees to assign, and hereby does assign, transfer and set over to					
(9)	(9) Insert Name of Assignce		) ROLLS-ROYCE PLC				
(10)	Insert Address of Assigner	(10)	65 Buckingham Gate, London, SWIE 6AT, Oreat 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, ar Foreign Application Number	(11)	A Flow Outlet				
		(Attor	ncy Docket No. <u>164101</u>				
(12)	Alternative Identification for	(12)	U.S. Application Number		3,516		
	filed applications	filed	December 8, 2014				

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 Assignce 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 Assignce 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 agroes to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reaxamination a grant of a valid United States patent to the Assignee.

S) 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 Assigner and Assigner'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 desimble 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.

# PATENT REEL: 034427 FRAME: 0429

In witness whereaf, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	24th Naxember 2014	Inventor Signature	Oliver C TAYLOR-TIBBOTT	<u>Arra</u>	和快
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Date		Inventor Signature		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(SEAL)
Date		Inventor Signature			(SEAL)
Date		Inventor Signature			(SEAL)
Date		Inventor Signature			(SEAL)
Date		Inventor Signature			(SEAL)
neithe	This assignment should preferably be sign , then it should be signed before at least two	ed before: (a) a Notary Pu witnesses who also sign h	blic if within the U.S.A. (b) $\circ$ U.S. (cree) CARL HODGGLIA	و	U.S.A. If
Date	<u>24 NOV 2014</u>	Witness	for Oliver C TAYLOR-TIBBOTT		yhin,
Date	24 NOV 2014	Witness	JOHN PAUL VARDS for Oliver C TAYLOR-TIBBOTT	- Abarty	////
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RR Ref 54 IS MRB

**RECORDED: 12/08/2014**