lail Stop: Assignment Recordation Services
Director of the U.S. Patent
and Trademark Office
P.O. Box 1450 Alexandria, VA 22313-1450



103654733

U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

	Α.	Name of conveying party:	2. A. Name and address of receiving party:				
	B.	Alexander Lewis SHAW  Additional name(s) of conveying party(ies) attached?  Yes  No	ROLLS-ROYCE PLC 65 BUCKINGHAM GATE LONDON, SW1E 6AT GREAT BRITAIN				
	Α.	Nature of conveyance:	B. Additional name(s) & address(es) attached?  ☐ Yes ☒ No				
	$\boxtimes$	Assignment					
		Security Agreement Change of Name					
		Other					
	В.	Execution Date: January 17, 2013					
ļ,	This document is being filed together with a new application.						
	A.	Patent Application No.(s) 13,751810	B. Patent No.(s)				
	C. <b>D.</b>	Additional numbers atta  Title of Application: BALANCING OF ROTORS  This Assignment is submitted for a dual purpose the above-identified application as the oath or de	: (1) recording in the assignment database; and (2) for use in				
5.		ne and address of party to whom correspondence cerning document should be mailed:	6. Total number of applications and patents involved: 1				
	Na	une: James A. Oliff	7. Please charge Deposit Account No. 15-0461 the total fee (37 CFR 3.41) in the amount of \$40.00.				
	Ad	idress: OLIFF & BERRIDGE, PLC P.O. Box 320850 Alexandria, VA 22320-4850	Credit any overpayment or charge any underpayment to deposit account number 15-0461.				
).	To to	tement and signature. the best of my knowledge and belief, the foregoing informational document. The A. Oliff Registration No. 27,075	tion is true and correligand any attached copy is a true copy of the 40.00 DA  Date: January 28, 2013				

**PATENT REEL: 029844 FRAME: 0579** 

## 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)	Alexander Lewis SHAW	(2)		
(1-8)	Legal Name(s)	(3)		(4)		
	of Inventor(s)	(5)		(6)		
		(7)		(8)	T	
	Insert Name of	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)	Assignee	(9)	ROLLS-ROYCE PLC			
(10)	Insert Address of Assignee	(10)	65 Buckingham Gate, London,	WIE 6AT, Great 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 Forcign Application Number	(11)	Balancing of Rotors		·····	
		(Attor	ney Docket No.			
(12)	Alternative	(12)	U.S. Application Number			
	Identification for					
	filed applications	filed				
to execi	Each undersigned agre ute separate assignments in a	es to exec	with such applications and patent	ion with any application and/or patent f		

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 & BERRIDGE, 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 mc.

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	17 JANUARY 2013	Inventor Signature	ALShaw Kholin	(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)
Date		Inventor Signature		(SEAL)
neither	This assignment should preferably be signed, then it should be signed before at least two w	before: (a) a Notary Pu tnesses who also sign h	blic if within the U.S.A. (b) a U.S. Consul if outside there:	e U.S.A. If
Date	17 JANUARY 2013	Witness	For A L Shave	. Swann)
Date	77 January 2073	Witness	For A L Shaw D. My CD. V.C.	
Date		Witness		, manufacturing Artificial Control of the Control o
Date		Witness		
Date		Witness		• · · ·
Date	<del></del>	Witness		. :

2