Mail Stop: RECORDATION FORM COVER SHEET U.S. DEPARTMENT OF COMMERCE Assignment Recordation Servic Patent and Trademark Office 02/12/2013 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450 103655237 Attorney Docket No. <u>156498</u> Please record the attached original document or copy thereof. 2. A. Name and address of receiving party: Name of conveying party: **ROLLS-ROYCE PLC** David Roger COLES 65 BUCKINGHAM GATE, Additional name(s) of conveying party(ies) attached? LONDON, SWIE 6AT, ☐ Yes 🛛 No **GREAT BRITAIN** Additional name(s) & address(cs) attached? Nature of conveyance: ☐ Yes 🖾 No Assignment Merger Change of Name Security Agreement П Received Execution Date: JANUARY 29, 2013 This document is being filed together with a new application. \boxtimes Patent Application No. Patent No.(s) 13/76/297 Additional numbers attached? ☐ Yes ☒ No C. Title of Application: A UNISON RING GEAR ASSEMBLY

D. Mais Assignment is submitted for a dual purpose: (1) recording in the assignment database; and (2) for use in the above-identified application

as the oath or declaration pursuant to 37 CFR 1.63(c).

Total number of applications and patents involved: $\underline{1}$ Name and address of party to whom correspondence concerning document should be mailed:

Name: James A. Oliff

Please charge Deposit Account No. 15-0461 the total fee (37 CFR 3.41) in the amount of \$40.00.

OLIFF & BERRIDGE, PLC Address:

P.O. Box 320850 Alexandria, VA 22320-4850 Credit any overpayment or charge any underpayment to deposit accorner in the 235-9461 HILLINS 00000028 15046

รอ. ชิติ DA

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To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

James A. Oliff, Registration No. 27,075

Date: February 7, 2013

Roane T. Noel, Registration No. 63,004

Total number of pages including cover sheet, attachments, and document: 3

PATENT REEL: 029996 FRAME: 0382

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)	David Roger CC	ni ES	(2)		
	- '		- David Roger CC	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(4)		
1-8)	Legal Name(s)	(3)					
	of Inventor(s)	(5)			(6)		
		(7)			(8)		
		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)	Insert Name of Assignce	(9)	ROLLS-ROYC	E PLC			
(10)	Insert Address of Assignee	(10)	65 Buckingham Gate, London, SWIE 6AT, Great Britain				
(11)	Insert Identification	(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) A UNISON RING GEAR ASSEMBLY					
	such as Title, Case Number, or Foreign		5063 ACH				
	Application Number	(Atto	ney Docket No.	156498)	
(12)	Alternative	(12)	U.S. Application	Number			
	Identification for filed applications	filed		FEBR	UARY 7, 2013		
applica such in	Each undersigned agraute separate assignments in Each undersigned agration or patents for the inventor	connection ees to execution and to	with such applicate all papers necessary with the	ations and patents as the cessary in connection with the Assignee in every way	any application and/or paten Assignee may deem necessar, any interference which may possible in obtaining evidence any act which may be necessary or similar agreements.	be declared concerning any se and going forward with ary in connection with	

4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or ec

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.

recordation of this document.

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: 029996 FRAME: 0383

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

Date	29th Janu - 2013	Inventor Signature	David Roger Coles Jeal Coles	(SEAL)				
Date		Inventor Signature		(SEAL)				
Date		Inventor Signature		(SEAL)				
Date		Inventor Signature		(SEAL)				
Date		Inventor Signature		(SEAL)				
Date		Inventor Signature		(SBAL)				
Date		Inventor Signature		(SEAL)				
Date		Inventor Signature		(SEAL)				
This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:								
Date	29/01/13	Witness	Sthome (JEREMY THORNE)				
Date	29/1/13	Witness	Jamelly (SHAWN DINNELLY)				
Date		Witness	-					
Data		Witness						