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 3. A. Nature of conveyance: Assignment Security Agreement Other B. Execution Date: July 30, 2 	Merger Change of Name 010 (both)	B. Additiona	al name(s) & address(es) attached? □Yes [3] No		
	Patent Application No. <u>12/876,410</u> B. Patent No.(s) Additional numbers attached?				
· · · · · · · · · · · · · · · · · · ·	TURE FOR SUPPORTIN		·····		
 Name and address of party to who concerning document should be m 		6. Total number o	of applications and patents involved; $\underline{1}$		
Name: James A. Oliff	_		rge Deposit Account No. 15-0461 the 7 CFR 3.41) in the amount of \$ <u>40.00</u> .		
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original document. James A. Oliff, Begistration No. 2	7,075		and any attached copy is a true copy of the September 7, 2010		
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PATENT REEL: 024947 FRAME: 0836

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ASSIGNMENT

		(1) <u>Richard GREEN</u> (5)			
(1-8) Insert ' Name(s) of Inventor(s)	(2) <u>Michael ANNEAR</u> (6)				
		(3)(7)			
		(4) (8)			
		In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, each undersigned agrees to assign, and hereby does assign, transfer and set over to			
(9)	Insert Name of Assignee	(9) Rolls-Royce plc			
(10) Insert Address of Assignee		(10)65 Buckinghem Gate, London SW1E 6AT, Great Britain			
(‡1)	Insert Identification such as Title, Case Number, or Foreign Application Number	continuation, international, confirmation, substitute and release application(s), and all Letters Patent, extensions, releases and reexamination certificates that may be granted on the invention known as (11)			
		for which the undersigned has (have) executed an application for patent in the United States of America on even date herewith or			
(12)	Insert Date of Signing of Application	(12) on <u>August 9, 2010</u>			
Identificat	Alternative Identification for	(13) U.S. application Serial Number <u>12/876,410</u>			
	filed applications	filedSeptember 7, 2010			

1) Each undersigned agrees to execute all papers necessary in connection with any application and any continuing, divisional or reissue applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such applications and patents as the Assignee may deem necessary.

applications and patents as the Assignce may doem necessary.
2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning any application or continuation or division thereof, or any patent or reissue application based thereon, 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 to issue any and all Letters Patents of the United States 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 agreements in conflict herewith, and agrees that this assignment is binding on him and his heirs, successors, assigns and legal representatives.
6) Each undersigned hereby grants the firm of OLIFF & BERRIDCE, PLC the power to insert on this assignment any further identification of the soft be united States Patent and Trademark Office for recordation of this document.

recordation of this document.

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

Date		Inventor Signature	R Green	(SEAL)
	30.07-10	-	K Ella.	
Date		Inventor Signature	M Annear	(SEAL)
	30-07-10		M. Aur	. ,

This assignment should preferably be signed herore: (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:



RECORDED: 09/07/2010