Mail Stop: Assignment Recordation Services Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450		RECORDATION FORM COVER SHEET PATENTS ONLY U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office		
			Atte	orney Docket No. <u>145061</u>
1100	ase record the attached document.	eet, attachments, and docume	ent: <u>3</u>	
1.	A. Name of conveying parties: (1) Peter MALKIN (2) David Reginald TR  B. Additional name(s) of conveying		ROLL 65 BU LOND	address of receiving party: S-ROYCE PLC CKINGHAM GATE, ON SW1E 6AT, T BRITAIN
3.	A. Nature of conveyance:		B. Additiona	l name(s) & address(es) attached? ☐Yes ☑ No
		Merger		
	Security Agreement	Change of Name		
	Other			
	B. Execution Date: <u>(1): April 16</u> (2): March 31, 2010	6, 2010;		
4.	A. Patent Application No. 12/73	31,642	B. Patent No	o.(s)
		Additional numbers attack	ned? 🗌 Yes 🛭 No	
	C. Title of Application: AN A	AIRCRAFT ELECTI	RICAL ACTUA	TOR ARRANGEMENT
5.	Name and address of party to whom concerning document should be mail		6. Total number o	f applications and patents involved: 1
	Name: James A. Oliff			rge Deposit Account No. 15-0461 the 7 CFR 3.41) in the amount of \$40.00.
	Address: OLIFF & BERRIDGE, P P.O. Box 320850 Alexandria, VA 22: Phone Number: 703-836 Fax Number: 703-836	320-4850 6-6400		payment or charge any underpayment to the transfer 15-0461.
9.	original document.	lief, the foregoing informatio	on is true and correct o	and any attached copy is a true copy of the
	James A. Oliff Registration No. 27,0 Brian K. Kauffman Registration No.		Date: <u>1</u>	May 6, 2010

PATENT REEL: 024347 FRAME: 0328

## ASSIGNMENT

		(1)	Peter MALKIN	(5)		
(1-8)	Insert	(2)	David Reginald TRAINER	(6)		
	Name(s) of Inventor(s)	(3)		473		
		(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)				
	_	the ent inventi continu	ire right, title and interest for the U on, and in all applications for pater nation, international, confirmation,	and Assignee's heirs, successors, assigns and legal representatives, mited States of America as defined in 35 U.S.C. §100, in the in including any and all provisional, non-provisional, divisional, substitute and reissue application(s), and all Letters Patent, rtificates that may be granted on the invention known as		
(11)	Insert Identification such as Title, Case Number, or Foreign Application Number	(11)	An Aircraft Electrical Actuator	Arrangement		
		(Attor	ney Docket No. 145061			
			ich the undersigned has (have) exe n date herewith or	ecuted an application for patent in the United States of America		
(12)	Insert Date of Signing of Application					
		(12)	on			
(13)	Alternative Identification for filed applications	(13)	U.S. application Serial Number	12/731,642		
		filed	March 25, 2010			
applica any app the Ass claims reexam Patents full rigl and agr identifii	applications for the invention tions and patents as the Assig 2) Each undersigned agrees olication or continuation or dignee in every way possible in 3) Each undersigned agrees or provisions of the Internatio 4) Each undersigned agrees ination a grant of a valid Unit 5) Each undersigned author of the United States resulting to convey the entire interest ees that this assignment is bin 6) Each undersigned hereby	, and any nee may to execu- vision the nobtaining to execu- nal Conv- to perfor- ed States izes and from said therein a iding on l	patent(s) issuing thereon, and als deem necessary. to all papers necessary in connect woof, or any patent or reissue appling evidence and going forward with te all papers and documents and pention for Protection of Industrial mall affirmative acts which may patent to the Assignee. requests the Commissioner of the dapplication(s) to the said Assign ssigned, and that he has not execunity and his heirs, successors, assigned firm of OLIFF & BERRIDGE, PL	erform any act which may be necessary in connection with Property or similar agreements. be necessary to obtain, maintain or confirm by reissue or U.S. Patent and Trademark Office to issue any and all Letters ee, as Assignee of the entire interest, and covenants that he has ted, and will not execute, any agreements in conflict herewith,		
			undersigned on the date(s) opp	osite the undersigned name(s).		
Date	10 Mpm1	2010	Inventor Signature	P Malkin (SEAL)		
Date		<del></del>	Inventor Signature	D R Trainer (SEAL)		
neither,	This assignment should prefithen it should be signed before	erably be re at least	signed before: (a) a Notary Public t two witnesses who also sign here	e if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If		
Date	16th April 20	to	Witness for P Malkin	and Alberia		
Date	16th April 2016	_ 	Witness for P Malkin	Wilson		
Date	· ·		Witness for D Trainer			
Date		<u> </u>	Witness for D Trainer			

PATENT REEL: 024347 FRAME: 0329

## ASSIGNMENT

(1-8)	<b>T</b>	
	Insert	(2) David Reginald TRAINER (6)
	Name(s) of Inventor(s)	(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	
(10)	Assignee ) Insert Address of Assignee	(9) Rolls-Royce plc
		(10) 65 Buckingham Gate, London SWIE 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	(11) An Aircraft Electrical Actuator Arrangement
	Identification such as Title, Case	
	Number, or Foreign	
	Application Number	(Attorney Docket No. 145061
		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
(13)	Alternative	(13) U.S. application Serial Number 12/731,642
	Identification for filed applications	filed March 25, 2010
		vision thereof, or any patent or reissue application based thereon, for the invention, and to cooperate with obtaining evidence and going forward with such interference.
claims or reexamin Patents of full right and agree	<ol> <li>Each undersigned agree r provisions of the Internati</li> <li>Each undersigned agree nation a grant of a valid Un.</li> <li>Each undersigned author for the United States resulting to convey the entire interest est that this assignment is bind.</li> <li>Each undersigned herebation that may be necessary</li> </ol>	to execute all papers and documents and perform any act which may be necessary in connection with nal Convention for Protection of Industrial Property or similar agreements.  to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or ed States patent to the Assignee.  izes and requests the Commissioner of the U.S. Patent and Trademark Office to issue any and all Letters from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he has herein assigned, and that he has not executed, and will not execute, any agreements in conflict herewith, ding on him and his heirs, successors, assigns and legal representatives.  grants the firm of OLIFF & BERRIDGE, PLC the power to insert on this assignment any further or desirable in order to comply with the rules of the United Stares Patent and Trademark Office for
claims or reexamin Patents of full right and agree identifica recordation	<ol> <li>Each undersigned agree reprovisions of the Internati</li> <li>Each undersigned agree nation a grant of a valid Un.</li> <li>Each undersigned authors the United States resulting to convey the entire interest that this assignment is bit of Each undersigned herebation that may be necessary on of this document.</li> </ol>	nal Convention for Protection of Industrial Property or similar agreements.  to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or ed States patent to the Assignee.  izes and requests the Commissioner of the U.S. Patent and Trademark Office to issue any and all Letters from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he has herein assigned, and that he has not executed, and will not execute, any agreements in conflict herewith, ding on him and his heirs, successors, assigns and legal representatives.  grants the firm of OLIFF & BERRIDGE, PLC the power to insert on this assignment any further or desirable in order to comply with the rules of the United States Patent and Trademark Office for
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claims or eexamin Patents of ull right and agree dentificate ecordati	3) Each undersigned agree provisions of the Internati 4) Each undersigned agree patient agree agree of a valid Until 5) Each undersigned author the United States resulting to convey the entire interest that this assignment is bit 6) Each undersigned heretation that may be necessary on of this document.  In witness whereof, execu	nal Convention for Protection of Industrial Property or similar agreements.  to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or ed States patent to the Assignee.  izes and requests the Commissioner of the U.S. Patent and Trademark Office to issue any and all Letters from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he has herein assigned, and that he has not executed, and will not execute, any agreements in conflict herewith, ding on him and his heirs, successors, assigns and legal representatives.  Togrants the firm of OLIFF & BERRIDGE, PLC the power to insert on this assignment any further or desirable in order to comply with the rules of the United States Patent and Trademark Office for  ed by the undersigned on the date(s) opposite the undersigned name(s).  [SEAL]
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reexamin Patents of full right and agree identificate recordation	3) Each undersigned agree a provisions of the Internati 4) Each undersigned agree action a grant of a valid Un. 5) Each undersigned author the United States resulting to convey the entire interest that this assignment is bid. Each undersigned herebation that may be necessary on of this document.  In witness whereof, execution of the Convey the entire interest that the sasignment is bid. Each undersigned herebation that may be necessary on of this document.  In witness whereof, execution of the convey	nal Convention for Protection of Industrial Property or similar agreements.  to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or ed States patent to the Assignee.  izes and requests the Commissioner of the U.S. Patent and Trademark Office to issue any and all Letters from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he has herein assigned, and that he has not executed, and will not execute, any agreements in conflict herewith, ding on him and his heirs, successors, assigns and legal representatives.  Togrants the firm of OLIFF & BERRIDGE, PLC the power to insert on this assignment any further or desirable in order to comply with the rules of the United States Patent and Trademark Office for  ed by the undersigned on the date(s) opposite the undersigned name(s).  [SEAL]
reexamin Patents of full right and agree identificate cordation  Date neither, the	3) Each undersigned agree a provisions of the Internati 4) Each undersigned agree action a grant of a valid Un. 5) Each undersigned author the United States resulting to convey the entire interest that this assignment is bid. Each undersigned herebation that may be necessary on of this document.  In witness whereof, execution of the Convey the entire interest that the sasignment is bid. Each undersigned herebation that may be necessary on of this document.  In witness whereof, execution of the convey	nal Convention for Protection of Industrial Property or similar agreements.  to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or ed States patent to the Assignee.  izes and requests the Commissioner of the U.S. Patent and Trademark Office to issue any and all Letters from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he has herein assigned, and that he has not executed, and will not execute, any agreements in conflict herewith, ding on him and his heirs, successors, assigns and legal representatives.  Inventor Signature P Malkin  Inventor Signature P Malkin  Inventor Signature DR Trainer Danied Trainer (SEAL)  Trainer Danied Trainer (SEAL)  Erably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. (fine)
reexamin Patents of full right and agree identificate cordati	3) Each undersigned agree a provisions of the Internati 4) Each undersigned agree action a grant of a valid Un. 5) Each undersigned author the United States resulting to convey the entire interest that this assignment is bid. Each undersigned herebation that may be necessary on of this document.  In witness whereof, execution of the Convey the entire interest that the sasignment is bid. Each undersigned herebation that may be necessary on of this document.  In witness whereof, execution of the convey	nal Convention for Protection of Industrial Property or similar agreements.  to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or ed States patent to the Assignee.  izes and requests the Commissioner of the U.S. Patent and Trademark Office to issue any and all Letters from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he has herein assigned, and that he has not executed, and will not execute, any agreements in conflict herewith, ding on him and his heirs, successors, assigns and legal representatives.  Togrants the firm of OLIFF & BERRIDGE, PLC the power to insert on this assignment any further or desirable in order to comply with the rules of the United States Patent and Trademark Office for ed by the undersigned on the date(s) opposite the undersigned name(s).  Inventor Signature P Malkin (SEAL)  Trainer Oscard Trainer (SEAL)  Problem of Patents (SEAL)
claims or reexamin Patents of full right and agree identificate cordation  Date Date Date Date	3) Each undersigned agree a provisions of the Internati 4) Each undersigned agree action a grant of a valid Un. 5) Each undersigned author the United States resulting to convey the entire interest that this assignment is bid. Each undersigned herebation that may be necessary on of this document.  In witness whereof, execution of the Convey the entire interest that the sasignment is bid. Each undersigned herebation that may be necessary on of this document.  In witness whereof, execution of the convey	nal Convention for Protection of Industrial Property or similar agreements.  to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or ed States patent to the Assignee.  izes and requests the Commissioner of the U.S. Patent and Trademark Office to issue any and all Letters from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he has herein assigned, and that he has not executed, and will not execute, any agreements in conflict herewith, ding on him and his heirs, successors, assigns and legal representatives.  I grants the firm of OLIFF & BERRIDGE, PLC the power to insert on this assignment any further or desirable in order to comply with the rules of the United States Patent and Trademark Office for ed by the undersigned on the date(s) opposite the undersigned name(s).  Inventor Signature P Malkin (SEAL)  Inventor Signature D R Trainer David Trainer (SEAL)  Problems of P Malkin  Witness for P Malkin  Witness for P Malkin  Witness for D Trainer  Witness for D Trainer  Witness for D Trainer

PATENT REEL: 024347 FRAME: 0330