Mail Stop: Assignment Recordation Services R Director of the U.S. Patent and Trademark Office P.O. Box 1450	ECORDATION FORM C PATENTS ON	GVEREDIEDI -	NT OF COMMERCE and Trademark Office
Alexandria, VA 22313-1450		Attorney Docket No. 1	46001
Please record the attached document.  Total number of pages including cover sheet,	attachments, and document	<u>3</u>	
A. Name of conveying parties:     1) Christopher John ELLANS     2) John Howard MARTIN     B. Additional name(s) of conveying parties:		ROLLS-ROYCE PLC 65 BUCKINGHAM GAT LONDON SW1E 6AT, G	E
3. A. Nature of conveyance:		B. Additional name(s) & address(	es) attached? s 🗵 No
/ 1885/g.2.1.0.1.1	Morger Change of Name		
4. A. Patent Application No.(s) 12/82	<u> </u>	B. Patent No.(s)	
C. Title of Application: A PROF	Additional numbers attach	ed? 🔲 Yes 🛛 No	
Name and address of party to whom co concerning document should be mailed	orrespondence l:	6. Total number of applications and p	eatents involved: 1
Name: <u>James A. Oliff</u>		7. Please charge Deposit Acceptately total fee (37 CFR 3.41) in the	ount No. 15-0461 the te amount of \$40.00.
Address: OLIFF & BERRIDGE, PL P.O. Box 320850 Alexandria, VA 2233 Phone Number: 703-836- Fax Number: 703-836-2	20-4850 -6400	Credit any overpayment or charge deposit account number 15-0461.	any underpayment to
9. Statement and signature To the best of my knowledge and beli- original document.  James A. Oliff Registration No. 27,07 Benjamin S. Probyl Registration No.	<u></u>	n is true and correct and any attached c  Datc: <u>June 28, 2010</u>	opy is a true copy of the

PATENT REEL: 024607 FRAME: 0692

## ASSIGNMENT

		(1)	Christopher John ELLANS	(5)	<u> </u>	
(1-8)	Insert	(2)	John Howard MARTIN			
	Name(s) of Inventor(s)	(3)		(7)	<u> </u>	
		(4)				
		to each	In consideration of the sum of one of the undersigned, each under	one dollar (\$1.00) an	d other good and valuabl	e consideration paid
(9)	Insert Name of Assignee	(9)	Rolls-Royce pic			, <u>.</u>
(10)	Insert Address of Assignee	(10)	65 Buckingham Gate, Londo	n SW1E 6AT, G <u>reat</u>	Britain	
		the ent inventi contin	nafter designated as the Assignee fire right, title and interest for the ion, and in all applications for pu uation, international, confirmation ions, reissues and reexamination	e United States of Amatent including any an on, substitute and reis	erica as defined in 35 U.5 d all provisional, non-pro sue application(s), and all	S.C. §100, in the evisional, divisional, Leggers Patent,
(11)	Insert	(11)	A Propulsion Unit	<u> </u>	<u>-</u>	
	Identification such as Title, Case				. <del></del>	. <u>.</u>
	Number, or Foreign Application Number	(Attor	ney Docket No. 146001			<u></u>
		for wh	nich the undersigned has (have) on date herewith or			
(12)	Insert Date of Signing of Application	(12)	on			
(13)	Alternative	(13)	U.S. application Serial Numb	er <u>12/824,7</u>	21	
	Identification for filed applications	filed	June 28, 2010			
applicat any app the Assi claims c reexami Patents full righ and agre identific	ions and patents as the Assig 2) Each undersigned agree lication or continuation or di- ignee in every way possible if 3) Each undersigned agree or provisions of the Internation 4) Each undersigned agree nation a grant of a valid Unit 5) Each undersigned author of the United States resulting it to convey the entire interest ces that this assignment is bit 6) Each undersigned hereb	gnee may s to execu- ivision th n obtaining to execu- onal Com- s to perfo- tied States orizes and g from su- ti therein s nding on y grants t	ute all papers necessary in connected, or any patent or reissue a new evidence and going forward ute all papers and documents as wention for Protection of Industrian all affirmative acts which in	nection with any interapplication based the with such interferent any act warrial Property or similarly he necessary to othe U.S. Patent and Taignee, as Assignee of the cutted, and will not assigns and legal repart to in	ference which may be do reon, for the invention, a re. hich may be necessary in ar agreements, blain, maintain or confir rademark Office to issue it the entire interest, and execute, any agreements resentatives.	clared concerning and to cooperate with a connection with an by reissue or any and all Letters covenants that he has in conflict herewith,
		ted by th	te undersigned on the $date(s)$	opposite the unders	igned namc(s).	
Date	22/06/2010		Inventor Signature	C Ellans	_ <del></del>	(SEAL)
Date			Inventor Signature	J Martin	<del></del>	(SEAL)
ncither,	This assignment should prethen it should be signed before	ferably b ore at leas	e signed before: (a) a Notary Pr st two witnesses who also sign	ublic of within the U. here:	S.A. (b) a U.S. Consul if	outside the U.S.A. If
Date	22 06 201	0	Witness for C Ellors	Notary this	N. BRI	CHTWELL .
Date	22/06/201	<u>o</u>	Witness for C Ellans		7.00	<u>ımams</u>
Date			Witness for J Martin	· ・		
Date			Witness for J Martin		· · ·	<del>-</del>

PATENT REEL: 024607 FRAME: 0693

## ASSIGNMENT

1-8)	Insert	(2) John Howard MARTIN (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 Assignee	(9) Rolls-Royce pic
10)	Insert Address of Assignee	(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, ritle 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) A Propulsion Unit
	Identification such as Title, Case	
	Number, or Foreign Application Number	(Attorney Docket No. 146001
	Whitenties Manner	(Allohic) Board No.
		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
	Alternative	12/824,721
(13)	1 11 12 1 12 1 12 1	(13) U.S. application Sensi Number
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reissue : applicat any app he Assi claims o reexami Patents full righ and agre dentifie recordar  Date Date	Identification for filed applications  1) Each undersigned agree applications for the inventions and patents as the Assis. 2) Each undersigned agree iteation or continuation or agree in every way possible. 3) Each undersigned agree or provisions of the Internation of grant of a valid Un. 5) Each undersigned agree nation a grant of a valid Un. 5) Each undersigned author (the United States resulting to convey the entire interest that this assignment is b. 6) Each undersigned hereit attomation that may be necessary ion of this document.  In witness whereof, execution of this assignment should provide agree as a signment should provide agree agree as a signment should provide agree	Esto execute all papers necessary in connection with any application and any continuing, divisional or in, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such gase may deem necessary.  Esto execute all papers necessary in connection with any interference which may be declared concerning livision thereof, or any patent or reissue application based thereon. For the invention, and to cooperate with nobtaining evidence and going forward with such interference.  Esto execute all papers and documents and perform any act which may be necessary in connection with sonal Convention for Protection of Industrial Property or similar agreements.  Esto perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or itself states patent to the Assignee.  Orizes and requests the Commissioner of the U.S. Patent and Trademark Office to issue any and all Letters agreements and application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he has stherein assigned, and that he has not executed, and will not execute, any agreements in conflict herewith, inding on him and his heirs, successors, assigns and legal representatives.  By 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 (iffice for at least two witnesses who also sign here:  Witness for C  Ellans  Witness for C  Ellans  Witness for C  Ellans  Witness for C  Ellans

PATENT REEL: 024607 FRAME: 0694