Mail Stop: Assignment Recordation Services Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	RECORDATION FORM PATENTS (ONLY	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office orney Docket No. 153788			
Please record the attached document.			,			
Total number of pages including cover sh	neet, attachments, and docume	ent: <u>3</u>				
A. Name of conveying parties: 1. Arthur Laurence I 2. Christopher REDI B. Additional name(s) of conveying parties:	FERN	ROLI 65 BU LONI GREA	d address of receiving party: LS-ROYCE PLC JCKINGHAM GATE, DON, SW1E 6AT, AT BRITAIN			
3. A. Nature of conveyance: Assignment Security Agreement Other B. Execution Date: [1]: MAY 17, 2012; [2]		B. Additiona	al name(s) & address(es) attached? □Yes ⊠ No			
4. A. Patent Application No. 13/4	193,433	B. Patent No	D.(s)			
·· · · · · · · · · · · · · · · · · · ·	Additional numbers attac	hed? 🔲 Yes 🛭 No				
C. Title of Application: SURGE MARGIN CONTROL						
Name and address of party to whom concerning document should be mail		6. Total number of	of applications and patents involved: 1			
Name: <u>James A. Oliff</u>		7. Please cha total fee (3	arge Deposit Account No. 15-0461 the 7 CFR 3.41) in the amount of \$40.00.			
Address: OLIFF & BERRIDGI P.O. Box 3208: Alexandria, VA 223 Phone Number: 703-8: Fax Number: 703-8:	50 20-4850 836-6400		rpayment or charge any underpayment to t number 15-0461.			
9. Statement and signature. To the best of my knowledge and best original document. James A. Oliff, Registration No. 27, Steven D. Jinks, Registration No. 62	075		nd any attached copy is a true copy of the June 11, 2012			

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-8)	Insert	(2)	ARTHUR LAURENCE ROWE (5) CHRISTOPHER REDFERN (6)	
	Name(s) of Inventor(s)	(3)	(7)	
		(4)	(8)	
		to eac	In consideration of the sum of one dollar (\$1.00) and other good and valuable con the undersigned, each undersigned agrees to assign, and hereby does assign, or	nsideration paid transfer and set
	Insert Name of Assignee	(9)	ROLLS-ROYCE PLC	
)	Insert Address of	(10)	65 BUCKINGHAM GATE, LONDON, SWIE 6AT, GREAT BRITAIN	
	Assignee	(hereis the en- invent	nafter designated as the Assignee) and Assignee's heirs, successors, assigns and legatire right, title and interest for the United States of America as defined in 35 U.S.C. ion, and in all applications for patent including any and all provisional, non-provisination, international, confirmation, substitute and reissue application(s), and all Letions, reissues and reexamination certificates that may be granted on the invention k	§ 100, in the onal, divisional, ters Patent,
)	Insert	(H)	4851 VJAY	
	Identification such as Title, Case		SURGE MARGIN CONTROL	
	Number, or Foreign Application Number	(Attor	mey Docket No. 153788	
	Appreciation (values)	for wh	nich the undersigned has (have) executed an application for patent in the United S en date herewith or	
}	Insert Date of	(12)	оп	
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+	Alternative	(13)	U.S. application Serial Number 13/493,433	
	Identification for filed applications	filed	JUNE 11, 2012	
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ASSIGNMENT

		COMPANY OF A STATE WAS A STATE OF THE WAS A STATE OF THE
		(I) ARTHUR LAURENCE ROWE (5)
(1-8)	Inerit	(2) CHRISTOPHER REDFERN (6)
	Name(s) of Inventor(s)	(3)
		(4)
		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 Assignce	(9) ROLLS-ROYCE PLC
(10)	Insert Address of Assignce	(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 Identification	(11) 4851 VJAY
	such as Title, Case	SURGE MARGIN CONTROL
	Nomber, or Foreign Application Number	(Attorney Docket No. 153788)
		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 13/493,433
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applica	applications for the invention tions and patents as the Assi 21 Each understance agree	es to execute all papers necessary in connection with any application and any continuing, divisional or m, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such gave may deem necessary. The execute all papers necessary in connection with any interference which may be declared concerning livision thereof, or any patent or reasone 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 papers 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 & 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.

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

Date		Inventor Signature	ARTHUR LAURENCE ROWE	(SEAL)
Date	JUNE 08 2012	Inventor Signature	CHRISTOPHER REDFERN A Jogho Refe.	(SEAL)
Date		Inventor Signature	,	(SEAL)
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Date _	08-06-12	Witness	PETE YOUNG PE M	คามกับเหมือนนายายนายนัก (

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