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08-05-2009



103569628

U.S. DEPARTMENT OF COMMERCE

Attorney Docket No.

142381

Patent and Trademark Office

			742381
		Please record the attached orig	ginal document or copy thereof.
1.	A.	Name of conveying party:	2. A. Name and address of receiving party:
		Martin Stuart GOODWIN	ROLLS-ROYCE PLC 65 BUCKINGHAM GATE
	В.	Additional name(s) of conveying party(ies) attached? ☐ Yes ☐ No	LONDON, SW1E 6AT GREAT BRITAIN B. Additional name(s) & address(es) attached?
3.	A. Nature of conveyance:		☐Yes ⊠ No
	\boxtimes	Assignment	
		Security Agreement Change of Name	
		Other	
	В.	Execution Date: July 17, 2009	12461021
4.	\boxtimes	This document is being filed together with a new applica	ation.
	Α.	Patent Application No.	B. Patent No.
		Additional numbers atta	ached? 🔲 Yes 🖾 No
	C.	Title of Application: SWIRLER FOR A FUEL	L INJECTOR
5.		ne and address of party to whom correspondence cerning document should be mailed:	6. Total number of applications and patents involved: 1
	Na	nme: James A. Oliff	7. A. Total fee (37 CFR 3.41)\$ 40.00
			B. Enclosed (Check No. 220547)
	Ad	ldress: OLIFF & BERRIDGE, PLC P.O. Box 320850 Alexandria, VA 22320-4850	Credit any overpayment or charge any underpayment to deposit account number 15-0461.
9.	To t	tement and signature. the best of my knowledge and belief the foregoing information original documents.	ation is true and correct and any allached copy is a true copy of 01 FC:8021 49.0
		nes A. Oliff, Registration No. 27,075	Date: <u>July 29, 2009</u>
	Del	njamin S. Prebyl, Registration No. 60,256 Total number of pages in	ncluding cover sheet, attachments, and document: $\underline{2}$

ASSIGNMENT

(1-8) (9) (10)	Insert Name(s) of Inventor(s) Insert Name of		n consideration o	f the sum of one	(7)(8)dollar (\$1.00) and d	other good and valuable c	
	of Inventor(s)	(4) li to each	n consideration o	f the sum of one	(8)		
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	Invact Name of	to each				other good and valuable c	
	Invant Manna of			ed, each undersi	gned agrees to assig	n, and hereby does assign	
(10)	Assignce	(9)	ROLLS-ROYCE	₽ PI C			
	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, 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 such as Title, Case Number, or Foreign Application Number	(11)	SWIRLER FOR	A FUEL INJEC	TOR		
		-	4157 NJR				
		(Attorn	ey Docket No.	142381)
			ch the undersigned date herewith or	. ,	cuted an application	n for patent in the United	States of America
(12)	Insert Date of Signing of Application	(12)	on				
(13)	Alternative	(13)	U.S. application	Serial Number			
	Identification for filed applications	filed					
any applithe Assignment of the	ons and patents as the Assi 2) Each undersigned agree ication or continuation or c gnee in every way possible 3) Each undersigned agree r provisions of the Internati 4) Each undersigned agree nation a grant of a valid Un 5) Each undersigned author the United States resulting to convey the entire intere es that this assignment is b 6) Each undersigned herel ation that may be necessary on of this document. In witness whereof, execu	es to execut ivision there in obtaining es to execut onal Conve es to perforr ited States provizes and re g from said st herein as: inding on heavy grants the or desirable	e all papers necesteof, or any pater gevidence and ge all papers and ontion for Protect mall affirmative beatent to the Assistant to the Assistant to the Compaphication(s) to signed, and that it im and his heirs, e firm of OLIFF e in order to compare to	nt or reissue apploing forward wit documents and p ion of Industrial acts which may ignee. The the said Assign the has not execusuccessors, assign BERRIDGE, Plaply with the rule	ication based thereon has such interference. erform any act which Property or similar be necessary to obtain the necessary to insees of the United States	n, for the invention, and the may be necessary in congreements. in, maintain or confirm be demark Office to issue an me entire interest, and coveute, any agreements in contatives. It on this assignment any es Patent and Trademark	nnection with y reissue or y and all Letters enants that he has conflict herewith,
Date			Invento	r Signature			(SEAL)
-	17/7/09				Martin Stuart Goods	India.	
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PATENT REEL: 023060 FRAME: 0059

ASSIGNMENT

the entire right, tide and interest for the United States of America as designed and 50 U.S.C. \$100, in the invention, and in all applications for patient including any and all provisional, non-provisional, divisions continuation, international, confirmation, substitute and reassue applications(s), and all Letters Patent, extensions, releases and reexamination certificates that may be granted on the invention known as the state of the continuation of the continu			(1)	MAKTINSTUA	RT GOODWIN	· (5)			
Comparison of the sum of one dollar (\$1,00) and other good and valuable consideration of the sum of one dollar (\$1,00) and other good and valuable consideration over to to each of the undersigned, each undersigned agrees to assign, and hereby does assign, transfer and over to Assignee	(1-8)		(2)			(6)			
In consideration of the sum of one dollar (\$1.00) and other need and valuable consideration to each of the undersigned, such undersigned agrees to assign, and hereby dose assign, transfer and over to the state of the undersigned agrees to assign, and hereby dose assign, transfer and over to the state of the undersigned agrees to assign, and hereby dose assign, transfer and over to the state of America of the undersigned agrees to assign and hereby dose assign, transfer and over to the undersigned here the undersigned agrees to execute all papers necessary in connection with any application and any committing, divisional or resease applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such propositions and patents is the Assignee in every way possible in obtaining evidence and growing the undersigned agrees to execute all papers necessary in connection with any application and any committing, divisional or resease applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such papers and patents is the Assignee my deem excessory. (1) Each undersigned agrees to execute all papers necessary in connection with any application and any committing, divisional or resease applications and applications and any patent(s) issuing thereon, and also to execute separate assignments in connection with such papers and patents is the Assignee my deem excessory. (2) Each undersigned depend on the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection			(3)						
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(hereinalter designated as the Assignee's neit squeezes beits, successors, assigns and legal representation the entire right, title and interest for the United States of America as defined as \$1.8.C. § [00], in the invention, and in all applications for patent including any and all provisioned, non-provisional, division continuation, netterational, confirmation, substitute and resistance applicational, and all Letters Patent, extensions, reissues and recarmination certificates that may be granted on the invention known as \$1.0.C. \$1.0.C	(10)	Insert Address of							
Identification such as Title, Case Number, or Foreign Application Number (Attorney Docket No. 142381 for which the undersigned has (have) executed an application for patent in the United States of Ame on even date herewith or (12) Insert Date of Signing of (12) on Application (13) Alternative (13) U.S. application Serial Number Identification for filed applications (14) 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 on or continuation or division thereof, or any patent or reissue application based thereon, for the invention, and to cooperate with 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 any application and application or division thereof, or any patent or reissue application based thereon, for the invention, and to cooperate with 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 and the such interference. 4) Each undersigned agrees to perform all affirmative acts of holustrial Property or similar agreements. 5) Each undersigned agrees to perform all affirmative acts of holustrial Property or similar agreements. 6) Each undersigned agrees to perform all affirmative acts of holustrial Property or similar agreements. 7) Each undersigned agrees to perform all affirmative acts of the U.S. Patent and Trademark Office to issue any and all Lette Patents of the United States resulting from said application(s) to the said Assignee. 5) Each undersigned agrees to execute a papers and documents and performancy to obtain, maintain or confirm by		risignee	(herein the ent invent contin	(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,					
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In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s). Inventor Signature	claims or reexamin Patents of full right and agre dentific	3) Each undersigned agree reprovisions of the Internation 4 Each undersigned agreemation a grant of a valid Unsolution 5) Each undersigned author the United States resulting to convey the entire intereses that this assignment is book 6) Each undersigned herelation that may be necessary	es to execu- onal Converses to perfo- ited States orizes and ig from sail st herein a inding on long oy grants the	te all papers and de- cention for Protection all affirmative a patent to the Assign requests the Comm d application(s) to ssigned, and that he him and his heirs, she firm of OLIFF &	ocuments and per on of Industrial Pr cts which may be mee. issioner of the U. the said Assignee has not executed uccessors, assign. BERRIDGE, PLC	Form any act which may be ne operty or similar agreements. necessary to obtain, maintain S. Patent and Trademark Offic, as Assignee of the entire intell, and will not execute, any ag and legal representatives. The power to insert on this ass	or confirm by reissue or ce to issue any and all Letters crest, and covenants that he has reements in conflict herewith, ignment any further		
Martin Stuart Goodwin (SEAL)	ecordat		ited by the	e undersigned on t	he date(s) oppos	ite the undersigned name(s).			
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