05-08-2002

RECORDATION FORM COVER SI PATENT APPLICATIONS & PATE TO THE HONORABLE COMMISSIONER SIR: PLEASE RECORD THE ATTACHED ORIGINAL DOUBLE NO. . . HEREOF. 1. NAME OF CONVEYING PARTY(IES) (ASSIGNOR(S)): 3. THOMAN SCARINCI 1. CHRISTOPHER FREEMAN 2. IVOR JOHN DAY 5-1-02 XINO ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? YES PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST: NAME: Rolls-Royce plc, a British Company ADDRESS: 65 Buckingham Gate, London SW1E 6AT, England YES x NO ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? 3. NATURE OF CONVEYANCE (DOCUMENT): (Submit herewith only one document for recordation -- multiple copies of same Assignment signed by different inventors is one document) PART INTEREST EXEC. DATE: 3/14/02; 3/15/02; 3/21/02 ASSIGNMENT OF X WHOLE CHANGE OF NAME VERIFIED TRANSLATION MERGER OTHER: SECURITY EXECUTION DATE(S) ON THE DECLARATION IF FILED HEREWITH: (NOTE: IF DATES $\uparrow\downarrow$ DIFFER SEE ATTY!): 3/14/02; 3/15/02; 3/20/02 YES X NO 4.5 APPL, NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL SHEET(S) attached? **1ST INVENTOR** 1ST INVENTOR B. PATENT NO(S) **M#** A. PAT. APP. NO.(S) M# if not in item 1 if not in item 1 series code/serial no 84587 10,135690 Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed: 6. NUMBER INVOLVED: APPLNS 1 + PATS: _ = TOTAL 1 W. Warren Taltavull Manelli, Denison & Selter, PLLC Seventh Floor 2000 M Street, N.W. AMOUNT OF FEE ENCLOSED: (Code 581) ABOVE TOTAL X \$40 = \$ 40 Washington, D.C. 20036 8. IF ABOVE FEE IS MISSING OR INADEQUATE CHARGE INSUFFICIENCY TO DEPOSIT ACCOUNT NUMBER: 50-0687 ATTY DKT:WWT/ 2884 TAL 84587 84587 UNDER ORDER NO dup, sheet not required MATTER NO CLIENT NO CLIENT REF MATTER NO STATEMENT AND SIGNATURE.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original dogardent. Total number of pages including this cover sheet, attachments and document (do not file dup. Cover sheet) Signature W. Warren Taltavull Attorney: Date: May 1, 2002 25647 Reg. No.

- C: MG VTRLBH51 00000021 10135690

Atty/Sec:

40.00

TEL: (202) 261-1047

PATENT REEL: 012855 FRAME: 0364

Fax: (202) 887-0336

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USA Patent Appln. Sole or Joint

For Inventions made outside USA executed with or after application

Atty. Dkt. 73155 2547 Client Ref.

Manelli, Denison & Selter PLLC 2000 M Street N.W. 7th Floor Washington, D.C. 20036

NONPROVISIONAL

ASSIGNMENT

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to the undersig	In consideration of the sum of ned, to wit:	Ten Dollars (\$10.00)	and other good and valuable consideration paid	Ŀ
INSERT	Christopher Freer	man	(4)	
NAME(S) OF INVENTOR(S)	lvor John Day		(5)	_
	Thomas Scarinci		[] X box if continued on page 2	
the receipt and sell(s), assign(s	sufficiency of which are hereby and transfer(s) unto:	acknowledged by the	undersigned who at the request of, hereby	
	Rolls-Royce plc, a British C	ompany of		
INSERT NAME(S) OF	65 Buckingham Gate			
NAME(S) OF ASSIGNEE(S) & ADDRESS(ES)	London			
	SW1E 6AT England			
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TITLE OF INVENTION	A COMBUSTION CHAME	BER		
	For which the undersigned exe	ecuted an application f	for Letters Patent of the United States of American	ca
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successors, assapplication shall successors, assatitle in and to the	signs and legal representatives; Il hereinafter act on behalf of sa AND the undersigned hereby a signs and legal representatives e invention hereby transferred	the undersigned agre id ASSIGNEE; agree(s) to testify and deemed essential by	est(s) the United States Commissioner of SIGNEE, for its interest as ASSIGNEE, its ee(s) that the attorney of record in said execute any papers for ASSIGNEE, its ASSIGNEE to ASSIGNEE'S full protection and on & Selter PLLC, of the above address to ordation of this document.	į
1) chris	INVENTOR(S)	DATE SIGNED	<u>WITNESSES</u>	
Name: Christo	pher Freeman	• 4/1		
2) Name: Tvor Jo	hn Day			
3) Name: Thoma	s Scarinci			
4) Name:				
5) Name:				

IF ADDITIONAL INVENTORS, check box [] and continue on page 2.

PATENT REEL: 012855 FRAME: 0365 Please return signed/recorded to:

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	Thomas Scarinci		[] X box if continued on page 2	
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INSERT	65 Buckingham Gate			
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& ADDRESS(ES)	SW1E 6AT			
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(hereinafter des 35 U.S.C. 100, i reissues thereof	ignated "ASSIGNEE") the entir n the invention and all applicati ; and all resulting patents, know	e right, title and interes ons including any and vn as	st for the United States of all divisions, continuations	America as defined in substitutes, and
TITLE OF INVENTION	A COMBUSTION CHAME	BER		
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Patents and Tracessors, assistant polication shall successors, assistitle in and to the NOTE → The Note of the No	AND the undersigned hereby a demarks to issue said Letters F gns and legal representatives; hereinafter act on behalf of sai AND the undersigned hereby a gns and legal representatives; invention hereby transferred. The undersigned hereby author further identification necessar	uthorize(s) and requestatent to the said ASS the undersigned agreed ASSIGNEE; gree(s) to testify and edgemed essential by a rize(s) Manelli, Deniso y or desirable for reco	st(s) the United States Cor IGNEE, for its interest as A e(s) that the attorney of red execute any papers for AS ASSIGNEE to ASSIGNEE in & Selter PLLC, of the ab rdation of this document.	mmissioner of ASSIGNEE, its cord in said SIGNEE, its S full protection and cove address to
<u>!</u>	NVENTOR(S)	DATE SIGNED	WITNESSES	
1) Name: Christop 2) Name: Tvor Joh	war J. Way	15 MARCH 200	12 //	M.
3) Name: Thomas	Scarinci			-
1) Name:				
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IF ADDITIONAL INVENTORS, check box [] and continue on page 2.

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		lvor John Day		(5)	
		(3) Thomas Scarinci		[] X box if continued on page 2	
the rece sell(s),	eipt and su assign(s) a	fficiency of which are hereby and transfer(s) unto:	acknowledged by the	e undersigned who at the request of, here	by
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INSERT NAME(S)		55 Buckingham Gate			
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	F	or which the undersigned exec	cuted an application f	for Letters Patent of the United States of	—— America:
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success	Al ors, assigi nd to the in	ND the undersigned hereby at his and legal representatives, of evention hereby transferred	dree(s) to testify and deemed essential by	est(s) the United States Commissioner of SIGNEE, for its interest as ASSIGNEE, its ee(s) that the attorney of record in said execute any papers for ASSIGNEE, its ASSIGNEE to ASSIGNEE'S full protection & Selter PLLC, of the above address to ordation of this document.	or and
		VENTOR(S)	DATE SIGNED	WITNESSES	
1) Name:	Christoph	er Freeman			
2) Name:	Tvor John	Day		71-12	
3) Name:	Thomas S	Scarinci	21 March 2002	. Henry Fo 21 MARJOR	
4) Name:					
5) Name:					

IF ADDITIONAL INVENTORS, check box [] and continue on page 2.

RECORDED: 05/01/2002

PATENT REEL: 012855 FRAME: 0367