	AUG 1 8 1999	Attorney Docket No. <u>103568</u>		
	To the Assistant Communication and Communicatio	record the attached original document or copy thereof.		
1.	 Name of conveying party(ies): Robert P.E. WILLIAMSON Kevin P. SELF Martin A.J. EMERY 	2. A. Name and address of receiving party(ies): ROLLS-ROYCE PLC 65 BUCKINGHAM GATE, LONDON SW1E 6AT, ENGLAND		
	 B. Additional name(s) of conveying party(ies) attached? □ Yes ⊠ No 			
3.	A. Nature of conveyance:	B. Additional name(s) & address(es) attached? □Yes ⊠ No		
	Assignment D Merger			
	Security Agreement Change of Name			
	 Other B. Execution Date: June 8, 1999 			
4. A. If this document is being filed together with a new application, the execution date of the application is: <u>Ju</u>				
	B. Patent Application No.(s) <u>09/334,933</u>	C. Patent No.(s)		
	Additional numbers at	I tached? □ Yes ⊠ No		
5.	Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: <u>1</u>		
	Name: James A. Oliff	7. A. Total fee (37 CFR 3.41)\$ 40.00		
		B. Enclosed (Check No. <u>102386</u>)		
Address: OLIFF & BERRIDGE, PLC P.O. Box 19928 Alexandria, VA 22320		 Credit any overpayment or charge any underpayment to deposit account number 15-0461. 		
9.	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 document.			
	James A. Oliff Registration No. 27,075	Date: <u>August 18, 1999</u>		

			ABDIGHMENT	
((1-8)	Insert Name(s) of Inventor(s)	(1) ROBERT PETER E: NEST WILLIAMSON (5) (2) KEVIN PAUL SELF (6) (3) MARTIN ANTHONY JAMES EMERY (7) (4) (8) In consideration of the sum of one dollar (\$!.00) and other good and valuable considerations	
		OVE	- paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to	
((9)	Insert NameAU5 1 8 1999 of Assignee	(9) <u>ROLLS-ROYCE plc</u>	
((10)	Insert Address of Assignee	(10) <u>65 BUCKINGHAM GATE, LONDON, SW1E 6AT, ENGLAND</u> (hereinafter designated as the Assignee) the entire right, title and interest for the United States, its territories, dependencies and possessions, in the invention, and all applications for patent and any Letters Patent which may be granted therefor, known as	
	(11)	Insert Identification, such as Title, Case Number or Foreign Application Number	(11) <u>IMPROVEMENTS IN OR RELATING TO COOLING SYSTEMS FOR GAS TURBINE</u> ENGINE AIRFOIL	
	(12)	Insert Date of Signing of Application Alternative Identification for filed applications	(12) on <u>June 8, 1999</u> (13) US application Serial Number <u>09/334,933</u> filed <u>June 17, 1999</u>	

ASSICNMENT

1) The undersigned agree(s) to execute all papers necessary in connection with the application and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary.

2) The undersigned agrees(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining vidence and going forward with such interference.

3) The undersigned agree(s) 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 of similar agreements.

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the Jnited States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and hat he has (they have) not executed, and will not execute, any agreements in conflict herewith.

6) The undersigned hereby grant(s) the firm of **OLIFF AND BERRIDGE** the power to insert on this assignment any further dentification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office or recordation of this document.

	In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s). Date 8 JUELOS R P E Williamson (SEAL)							
Date	8 JUNE 1999	R P E Williamson	(SEAL)					
Date	5 June 1999	KP Self Kerin Self	(SEAL)					
Date	8 June 1999	MAJEmery MACineme	(SEAL)					

This assignment should preferably be signed before: (a) a Notary Public if within the USA (b) a US Consul if outside the USA. f neither, then it should be before at least two witnesses who also sign here:

Date	8 JUNE 99	_ Witness for R P E Williamson _	SHALLS (S.A.WALTERS)
Date _	8 June 99	_ Witness for R P E Williamson _	Rhofid (RLARNELD)
Date _	3 June 19	_ Witness for K P Self	13 17 Baues (BTBANES)
Date	8 June 44	Witness for K P Self	KD Curris (KD CURTIS)
Date _	8 June 99	Witness for M A J Emery	BM Bones (BM BANES)
Date _		_ Witness for M A J Emery	K D CUMS (K D CURTIS)