l	N FORM COVER SHEET U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office								
P.O. Box 1450 Alexandria, VA 22313-1450									
	Attorney Docket No. 136274								
Please record the attached document.									
Total number of pages including cover sheet, attachments, and document: 2									
1. A. Name of conveying parties:	2. A. Name and address of receiving party:								
(1) Michael Harvey CONEY	ROLLS-ROYCE PLC								
(2) Andrew James MULLENDER B. Additional names of conveying parties attached?	65 BUCKINGHAM GATE LONDON SW1E 6AT								
B. Additional names of conveying parties attached? ☐ Yes ☒ No	GREAT BRITAIN								
3. A. Nature of conveyance:	B. Additional names & addresses attached? ☐ Yes ☒ No								
Security Agreement Change of Name									
Other									
B. Execution Date: (1) March 14, 2008									
<u>(2)</u> January <u>16, 2008</u>									
4. A. Patent Application No. <u>12/076,076</u>	B. Patent No.(s)								
Additional numb	ers attached?								
C. Title of Application: <u>COOLING ARRA</u>	NGEMENT								
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1								
Name: <u>James A. Oliff</u>	7. Please charge Deposit Account No. 15-0461 the total fee (37 CFR 3.41) in the amount of \$40.00.								
Address: OLIFF & BERRIDGE, PLC P.Q. Box 320850 Alexandria, VA 22320-4850 Phone Number: 703-836-6400 Fax Number: 703-836-2787	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 in original document. James A. Oliff, Registration No. 27,075 Andrew B. Freistein, Registration No. 52,917	nformation is true and correct and any attached copy is a true copy of the Date: April 1, 2008								
Andrew B. Freistein, Registration No. 32,917									

PATENT REEL: 020739 FRAME: 0755

ASSIGNMENT

•		ASSIGNATION					
		(I) MICHAEL HARVEY CONEY (5)					
(1-8)	Insert	(2) _ ANDREW JAMES MULLENDER (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 consi					
		to each of the undersigned, each undersigned agrees to assign, and hereby does assign, tra over to					
(9)	Insert Name of Assignee	(9) Rolls-Royce pic					
(10)	Insert Address of						
	Assignce		•				
(11)	Insert	(hereinafter designated as the Assignee) and Assignee's heirs, successors, assigns and legal re the entire right, title and interest for the United States of America as defined in 35 U.S.C. § 10 invention, and in all applications for patent including any and all provisional, non-provisional continuation, international, confirmation, substitute and reissue application(s), and all Letters extensions, reissues and reexamination certificates that may be granted on the invention know COOLING ARRANGEMENT	00, in the d, divisional, s Patent,				
(,	ldentification						
	such as Title, Case Number, or Foreign	3857 KAW					
	Application Number	(Attorney Docket No. 136274					
		for which the undersigned has (have) executed an application for patent in the United Staton even date herewith or	tes of America				
(12)	Insert Date of						
	Signing of Application	(12) on					
	••	12/076,076					
(13)	Alternative Identification for	(13) U.S. application Schal Number					
	filed applications	filed March 13,2008					
the Assiclating of reexaming Patents full right and agree identifications.	gnee in every way possible 3) Each undersigned agree or provisions of the Internati 4) Each undersigned agree nation a grant of a valid Un 5) Each undersigned autho of the United States resulting at to convey the entire intere- tes that this assignment is bi 6) Each undersigned hereb eation that may be necessary	division thereof, or any patent or reissue application based thereon, for the invention, and to come in obtaining evidence and going forward with such interference. The estimate of execute all papers and documents and perform any act which may be necessary in connectional Convention for Protection of Industrial Property or similar agreements. The estimate of the estimative acts which may be necessary to obtain, maintain or confirm by remitted States patent to the Assignee. The estimate of the U.S. Patent and Trademark Office to issue any arguments and requests the Commissioner of the U.S. Patent and Trademark Office to issue any arguments are from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants herein assigned, and that he has not executed, and will not execute, any agreements in confinding on him and his heirs, successors, assigns and legal representatives. The provided Hermitian of OLIFF & BERRIDGE, PLC the power to insert on this assignment any furty or desirable in order to comply with the rules of the United States Patent and Trademark Office.	ction with eissue or nd all Letters nts that he has lict herewith,				
recorda	tion of this document. In witness whereof, execu	uted by the undersigned on the date(s) opposite the undersigned name(s).					
Date	,		(SEAL)				
Date			(SEAL)				
Date	16" DAN 200	Inventor Signature **Inventor Signature** **Inventor					
Date	10 JAN 22		(SEAL)				
Date		Inventor Signature					
Date		Inventor Signature					
Date		· · · · · · · · · · · · · · · · · · ·					
Date	<u>. </u>	Inventor Signature					
neither,	then it should be signed bef	eferably be signed before: (a) a Notary Public if within the U.S.A. (b) a.U.S. Consul if outside fore at least two witnesses who also sign here:	the U.S.A. If				
Date	16m 3.4N 2008	Witness Caron Str					
Date /	6 SAN 2008	Witness BH Heracolog					
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PATENT REEL: 020739 FRAME: 0756

ASSIGNMENT

		(1)	MICHĄ <u>ĘĻ HARVE</u>	Y CONEY	(5))	
(1-8)	Insert	(2)	ANDREW JAMES	MULLENDER	(6)) <u></u>	
	Name(s) of Inventor(s)	(3)	<u></u>		(7))	<u> </u>
		(4)					
		to eac	In consideration of the of the undersigned, o	sum of one do	llar (\$1.00	D) and other good and valuable consid o assign, and hereby does assign, tran	leration paid
(9)	Insert Name of	(9)	Rolls-Royce plc				
(10)	Assignee Insert Address of Assignee	(10)				ireat Britain	
		(hereit	after designated as the	Assignee) and A	Assignee's d States o	heirs, successors, assigns and legal rep f America as defined in 35 U.S.C. §100	oresentatives, D, in the
		invent	on, and in all applicati Jation, international, c	ions for patent in onfirmation, sub	icluding a stitute and	ny and all provisional, non-provisional, d reissue application(s), and all <i>Le</i> tters l	, divisional, Palent,
		extens	-			may be granted on the invention known	ក និន
(11)	Insert	(11)	COOLING AR	RANGEMENT			· -
	Identification such as Title, Case		3857 KAW				
	Number, or Foreign Application Number	(Attor	ney Docket No.	136274)
		for wi	ich the undersigned h			plication for patent in the United State	
		on evi	n date herewith or				
(12)	Insert Date of Signing of	(12)	on				
	Application	(,	···				
(13)	Alternative	(13)	U.S. application Ser	ial Number	12/	076,076	
	Identification for filed applications	filed		13, 2008			
applicate any app the Assi claims of reexami Patents full righ and agre identific	ions and patents as the Assign 2) Each undersigned agrees lication or continuation or div gnee in every way possible in 3) Each undersigned agrees or provisions of the Internation 4) Each undersigned agrees nation a grant of a valid Unit 5) Each undersigned author of the United States resulting t to convey the entire interest tes that this assignment is bin 6) Each undersigned hereby	to exect to perform to perform so the end of the exect to execute the ex	deem necessary. Ite all papers necessarereof, or any patent or ng evidence and going Ite all papers and docurention for Protection In all affirmative act In patent to the Assigne requests the Commis Id application(s) to the assigned, and that he is him and his heirs, suche the firm of OLIFF & B	y in connection reissue applica groward with suments and perfus of Industrial Presented which may be see. sioner of the U.S. a said Assigned, us not executed cossors, assigns ERRIDGE, FLC	with any tion bases uch interference any for expectly or expectly	act which may be necessary in connect similar agreements. It to obtain, maintain or confirm by reistand Trademark Office to issue any and nee of the entire interest, and covenant not execute, any agreements in confli	oncerning operate with tion with ssue or d all Letters its that he has ict herewith,
	In witness whereof, execut	-	-				
Date	14th March 20	ማሄ				HARVEY CONEY M. K. CONEY	(SEAL)
Date			Inventor S	ignature <u>AN</u>	IDREW J	AMES MULLENDER O	_ (\$EAL)
Date			Inventor S	ignature			_ (SEAL)
Date			Inventor S	Ignature			(SEAL)
Date			Inventor S	ignature			(SEAL)
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neither,	then it should be signed before	re at lea	t two witnesses who :		within th	ne U.S.A. (b) a U.S. Consul if outside	the U.S.A. If
Date	14-March			Witness	<u> </u>	<u> </u>	
Date	14 March	<u> 22</u>	<u>5 0</u>	Witness	<u> </u>	Campion	

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RECORDED: 04/01/2008