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Total number of pages including cover sheet, attachments, and document: 2									
Name of conveying parties: Natthew Ashley Ch Paul MASON	arles HOYLAND	ROLI 65 BI	and address of receiving party: LS-ROYCE PLC UCKINGHAM GATE DON, SW1E 6AT, GREAT BRITAIN						
В. Additional name(s) of conveying	ng party(ies) attached?								
3. A. Nature of conveyance:		B. Additio	onal name(s) & address(es) attached?						
✓ Assignment] Merger								
Security Agreement	Change of Name								
Other									
B. Execution Date: September	23, 2 <u>010-both</u>								
4. A. Patent Application No. 12/	/899,799	B, Patent	No.						
	Additional numbers attach	ied? 🔲 Yes 🛭	No						
C. Title of Application: <u>ANN</u>	<u>ulus filler for a G</u>	AS TURBINE	ENGINE						
Name and address of party to whom concerning document should be mai	correspondence iled:	6. Total numb	or 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.							
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9. Statement and signature. To the best of my knowledge and decrepted. James A. Cliff, Registration No. 27. Patrick T Muffo, Registration No.	7,075		rect and any attached copy is a true copy of the late: October 7, 2010						
Painek I Muiio, Registration No.	VV1J74	<u> </u>	<u> </u>						

PATENT REEL: 025110 FRAME: 0515 ASSIGNMENT

		(1)	MATTHEW HOYLAND	ASHLEY	CHARLES	(5)			
(1-8)	Insert	(2)	PAUL MASO	N		(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 Assignee	(9)	ROLLS-ROY	CE PLC					
(10)	Insert Address of Assignce	(10)			LONDON, S	W18 6A1', GREA	T 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 parent 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, Cose Number, or Foreign	, (11)	ANNULUS I	TLLER FOR	<u>a gas ture</u>	INE ENGINE	1		
			4474 NJR						
	Application Number								
		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	(12)	on						
	Application								
	Alternative Identification for filed applications	(13)	U.S. applicati	on Serial Nur	пъег1	2/899,799			
		filed							
the Assi claims of reexami Patents full righ and agra identific	2) Each undersigned agrees licution or continuation or divigues in every way possible in 3) Each undersigned agrees or provisions of the Internation 4) Each undersigned agrees nation a grant of a valid Unite 5) Each undersigned author of the United States resulting to convey the entire interest cas that this assignment is bin 6) Each undersigned hereby eation that may be necessary third of this document.	vision the control of	nereof, or any paing evidence and the sill papers as averation for Protorm all affirmations patient to the Adresses the Carle applications assigned, and the him and his he the firm of Our	itent or reissuad going forward documents and documents which assignee. The property of the property of the party of the	e application led with such it and perform a strint Property in may be necessof the U.S. Par Assignée, as A S, 434jgns and GE, FLC the property in the property is the property of the property in the propert	based thereon, for merference, any act which may y or similar agrees sary to obtain, mo tent and Trademar, ssignes of the ent will not execute, legal represental; pwer to insert on t	the invention, and to come ments. Sintain or confirm by rice interest, and covers any a greenonts in converse, this pasternor was, this pastignment any termination on the converse and covers.	cooperate with estion with estion or and all Letters and the has flict herewith, wher	
necorum	ion of this deciment. In witness whereof, execut	ed by t	he undersigned	on the date(s) oppodte th	e undersigned as	inte(s),		
Date	23 SEPTEMBER	20	inve	ntor Signatu		· A C #	Hoyland	(SEAL)	
Date	23 SEPTEMBER	201	O Inve	ntor Signatu	re Paul Mo	lle	_	(SEAL)	
Date			Inve	ator Signate	ire			(SEAL)	
Date			fove	ntor Signatu	ıre		<u> </u>	(SEAL)	
Date			Inve	utor Signatu	те			(SEAL)	
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Date		'	Inve	ntor Signatu	.re			(SEAL)	
Date			Inve	ntor Signatu	те			(SEAL)	
	This assignment should prefine it should be signed before 1 SELLEMBER 12 SELLEMBER 25	re at les FO	be signed before ist two witnesso	s who also sig Witne	in here: [] (,			
Date		_		Witne		~ <u>,, </u>			

PATENT

RECORDED: 10/07/2010 REEL: 025110 FRAME: 0516