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Plea	Please record the attached document.									
Total number of pages including cover sheet, attachments, and document: 3										
1.	A. B.	Name of conveying parties: 1) Caner Hasan HELV 2) Glenn Roy PAXTO Additional name(s) of conveying	N	2. A. Name and address of receiving party: ROLLS-ROYCE PLC 65 BUCKINGHAM GATE, LONDON, SW1E 6AT, GREAT BRITAIN						
3.	A. ⊠ □ □ B.		Merger Change of Name	B. Additional name(s) & address(es) attached? ☐ Yes ☑ No						
4.	A. Patent Application No. 13/551,991 Additional numbers attact C. Title of Application: FLAP SEAL AND SEALING									
5.	Nar	ne and address of party to whom co	rrespondence :	6. Total number of applications and patents involved: 1						
	Na	ame: James A. Oliff		7. Please charge Deposit Account No. 15-0461 the total fee (37 CFR 3.41) in the amount of \$40.00.						
	A	ddress: OLIFF & BERRIDGE, I P.O. Box 320850 Alexandria, VA 22320 Phone Number: 703-836 Fax Number: 703-836	-4850 6-6400	Credit any overpayment or charge any underpayment to deposit account number 15-0461.						
9.	To original Jan	tement and signature. the fest of my inowledge and belief email document. Liver Marie Mar	5	ion is true and correct and any attached copy is a true copy of the Date: July 18, 2012						

PATENT REEL: 028618 FRAME: 0444

ASSIGNMENT

		(1)	CANER HASAN HELVACI	(5)			
(1-8)	Insert	(2)	GLENN ROY PAXTON	(6)			
	Name(s) of Inventor(s)	(3)		(7)			
		(4)		(8)			
		to each over to	n consideration of the sum of one of the undersigned, each undersig	dollar (\$1.00) and other good and value ned agrees to assign, and hereby does a	able consideration paid assign, transfer and set		
(9)	Insert Name of Assignee	(9)	ROLLS-ROYCE PLC				
(10)	Insert Address of Assignce	(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	(11)	FLAP SEAL AND SEALING AF	PARATUS			
	Identification such as Title, Case Number, or Foreign Application Number		4898 KAW				
		(Attorr	nev Docket No. 1542	234)		
	A. A	for whi		cuted an application for patent in the L			
(12)	Insert Date of Signing of Application	(12)	on				
(13)	Alternative	(13)	U.S. application Serial Number	13/551,991			
, ,	Identification for filed applications	filed	July 18, 20				
applicate any apprine Ass claims of reexam Patents full rigit and agridentifit	applications for the inventionions and patents as the Assi 2) Each undersigned agree dileation or continuation or dignee in every way possible: 3) Each undersigned agree or provisions of the Internati 4) Each undersigned agree ination a grant of a valid Union agrant of a valid Union the United States resulting to convey the entire interest that this assignment is binometrication that may be necessary this document.	n, and any gnee may us to execut in obtaining to execut onal Convesto performed States on the execution of t	patent(s) issuing thereon, and als deem necessary. Ite all papers necessary in connective ereof, or any patent or reissue appling evidence and going forward with all papers and documents and prention for Protection of Industrial rm all affirmative acts which may patent to the Assignee. requests the Commissioner of the id application(s) to the said Assignes, and that he has not executive for any of Quier & Berringer, assigned, and his heirs, successors, assigned from of Quier & Berringer, plants.	Property or similar agreements. be necessary to obtain, maintain or course necessary to obtain, maintain or course. State and Trademark Office to ince, as Assignee of the entire interest, at ted, and will not execute, any agreemer gas and legal representatives. Cethe power to insert on this assignment of the United States Patent and Tradeposite the undersigned name(s).	e declared concerning a, and to cooperate with y in connection with affirm by reissue or assue any and all Letters and covenants that he has ants in conflict herewith, ant any further demark Office for		
Date	9 JULY 20	JZ.	Inventor Signature	CAMOR M MERVACI	(SEAL)		
Date			Inventor Signature	GLENN ROY PAXTON	(SEAL)		
Date			Inventor Signature		(SEAL)		
Date			Inventor Signature		(SEAL)		
Date			Inventor Signature		(SEAL)		
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neither Date	This assignment should property the pit should be signed be JULY 201	fore at lea	ne signed before: (a) a Notary Publist two witnesses who also sign her Witness	YARA . A. JITTI	ul if outside the U.S.A. If		
Date	9 JULY 201	2	Witness _	JOHN HOPTEOFF			

PATENT REEL: 028618 FRAME: 0445

ASSIGNMENT

		(1) <u>CA</u>	NER HASAN HELVACI	(:	5)		
(1-8)	Insert Name(s) of Inventor(s)	(2) GL	ENN ROY PAXTON				
		(3)			, , , , , , , , , , , , , , , , , , , 		
		(4)		,		·	
		In co	nsideration of the sum of he undersigned, each under	one dollar (\$1.	00) and other good	and valuable conside	eration paid
(9)	Insert Name of Assignee	(9) <u>RO</u>	LLS-ROYCE PLC				
(10)	Insert Address of Assignee	(10) 65 BUCKINGHAM GATE, LONDON, SWIE 6AT, GREAT BRITAIN					
		(hereinafter the entire rig invention, a continuation	designated as the Assignee ght, title and interest for the aid in all applications for pa i, international, confirmation relssues and reexamination	e) and Assignee e United States atent including on, substitute ar	s heirs, successors, of America as defin any and all provision and reissue application	assigns and legal reprined in 35 U.S.C. §100 onal, non-provisional, on(s), and all Letters F	, in the divisional, atent,
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	Number, or Foreign Application Number	(Attorney E	locket No.	54234		To Selected to the second seco	
	/apprendention / waitings	•	e undersigned has (have)	executed an ac	plication for paten	t in the United States	of America
			herewith or	•	•		
(12)	Insert Date of Signing of	(12) on					
	Application	• •		, ,			
(13)	Alternative	(13) U.S.	application Serial Number	_{er} <u>13</u>	/55 <mark>1,</mark> 991	,	W1-25-0-1-201-1-1-201-1-1-1-1-1-1-1-1-1-1-1-1
	Identification for filed applications	filed	July 18,	2012			
applicate any applithe Assi claims of reexamin Patents of full right and agree identific	applications for the invention tons and patents as the Assig 2) Bach undersigned agrees ication or continuation or dignee in every way possible in 3) Bach undersigned agrees reprovisions of the Internation 4) Bach undersigned agrees nation a grant of a valid Unit 5) Each undersigned author of the United States resulting to convey the entire interest to convey the entire interest that this assignment is but 6) Bach undersigned herebation that may be necessary ion of this document. In witness whereof, execut	nee may deem s to execute all vision thereof, n obtaining evi s to execute all mal Conventio s to perform all ted States pate- rizes and reque a from said app t herein assign ding on him a y grants the fir or desirable in	necessary. papers necessary in connor any patent of reissue a dence and going forward papers and documents an n for Protection of Industrative acts which must to the Assignee. sits the Commissioner of the blication(s) to the said Assed, and that he has not example the first the Commissioner of the commis	ection with any pplication base with such inter did perform any rial Property or lay be necessar the U.S. Patent signee, as Assig ecuted, and will assigns and legs, PLC the powerules of the University of the Un	winterference which difference act which may be similar agreement y to obtain, maintal and Trademark Of the entire in a line to execute, any all representatives. It to insert on this a ited States Patent and thereone.	h may be declared co invention, and to coo necessary in connecti s. in or confirm by reis: ffice to issue any and nterest, and covenant: agreements in conflic assignment any furthe	perate with on with suc or all Letters s that he has at herewith,
Date			Inventor Signature	CANER HA	SAN HELVAÇI		(SEAL)
Date	9.7.201	7	Inventor Signature	Contract of the second		landoy Pant	(SEAL)
Date		`	Inventor Signature				(SEAL)
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Date			Inventor Signature				(SEAL)
Date	4		Inventor Signature		•	* * *	(SEAL)
Date			Inventor Signature				(SEAL)
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neither, t	This assignment should preference is should be signed before $\hat{q} - 7 - 2 \circ 1$	re at least two	ed before: (a) a Notary Pu witnesses who also sign b	blic if within l		S. Consul if outside the	1e U.S.A. If

PATENT REEL: 028618 FRAME: 0446

RECORDED: 07/18/2012