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Total number of pages including cover sheet, attachments, and docu	ment: 3
1	
1. A. Name of conveying parties:	2. A. Name and address of receiving party:
1. Christopher SELLARS	ROLLS-ROYCE PLC
2. Andrew HEWITT	65 BUCKINGHAM GATE,
The Address of money (2) and the second of t	LONDON, SW1E 6AT,
B. Additional name(s) of conveying party(ies) attached?  ☐ Yes ☒ No	GREAT BRITAIN
	B. Additional name(s) & address(es) attached?
A. Nature of conveyance:	□Yes ⊠ No
★ Assignment	
Security Agreement Change of Name	
Other	
B. Execution Date:	
[1]: JANUARY 18, 2012;	
[2]: DECEMBER 23, 2011	D. Promision (1)
4. A. Patent Application No. 13/357,028	B. Patent No.(s)
Additional numbers att	anched? 🔲 Yes 🗵 No
C. Title of Application: AN EROSION TEST	ING ASSEMBLY
<ol> <li>Name and address of party to whom correspondence concerning document should be mailed:</li> </ol>	6. Total number of applications and patents involved: 1
Name: James A. Oliff	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.O. Box 320850 Alexandria, VA 22320-4850 Phone Number: 703-836-6400	Credit any overpayment or charge any underpayment to deposit account number 15-0461.
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9. Statement and signature.	
To the best of my knowledge and belief, the foregoing information original document.	ation is true and correct and any attached copy is a true copy of the
164th	Date: January 24 2012
James A. Oliff, Registration No. 27,075	Date: <u>January 24, 2012</u>
Matthew C. Barthalow, Registration No. 60,323	

PATENT REEL: 027580 FRAME: 0349

## ASSIGNMENT

		(1)	CHRISTOPHER SELLARS	(5)					
(1-8)	Insert	(2)	ANDREW HEWITT	(6)					
	Name(s) of Inventor(s)	(3)		(7)	**************************************				
		(4)		(8)					
		to cacl	In consideration of the sum of or h of the undersigned, each unders	ne dollar (\$1.00) and oth signed agrees to assign,	oer good and valuable considerant hereby does assign, trans	cration paid sfer and set			
(9)	Insert Name of Assignce Insert Address of Assignee	(9)	ROLLS-ROYCE PLC			'			
(10)		(10)	65 BUCKINGHAM GATE, LO	ONDON, SWIE 6AT, G	REAT BRITAIN				
		the ent inventi	after designated as the Assignee) ire right, title and interest for the ion, and in all applications for pat- uation, international, confirmation ions, reissues and reexamination of	United States of America ent including any and all substitute and reissue a	as defined in 35 U.S.C. §100 provisional, non-provisional, upplication(s), and all Letters F	, in the divisional, Patent,			
(11)	Įnsert	(11)	AN EROSION TESTING ASS	EMBLY					
	Identification such as Title, Casc Number, or Foreign Application Number		4731 PDG						
		(Attor	ney Docket No. 152						
		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 Application	(12)	on						
(13)	Alternative	(13)	U.S. application Serial Number	13/35	7,028				
	Identification for filed applications	filed	January 24,	2012	•				
claims of reexami Patents full right and agri identific	lication or continuation or dignee in every way possible it.  3) Each undersigned agree or provisions of the Internation 4. Each undersigned agree mation a grant of a valid Unit.  5) Each undersigned author of the United States resulting at to convey the entire interestees that this assignment is bit.  6) Each undersigned herebeation that may be necessary then of this document.	ivision the notation of the control	ute all papers necessary in conne- creof, or any patent or reissue ap- ng evidence and going forward v- ute all papers and documents and vention for Protection of Industri orm all affirmative acts which ma- is patent to the Assignee.  requests the Commissioner of the dasplication(s) to the said Assi- dasplication(s) to the said Assi- cate and that he has not exe- him and his heirs, successors, as- the firm of OLIFF & BERRIDGE, table in order to comply with the r- ne undersigned on the date(s) of	plication based thereon with such interference, I perform any act which al Property or similar apply be necessary to obtain the U.S. Patent and Tradignee, as Assignee of the cuted, and will not exect signs and legal represent PLC the power to insert ules of the United State	may be necessary in connect recements.  In maintain or confirm by reise entire interest, and covenant ute, any agreements in conflictatives.  On this assignment any furths a Patent and Trademark Office	operate with  sue or  i all Letters  is that he has  ct herewith,			
Data			Inventor Signature	Coris Good	r Sellow	(SEAL)			
Date	18th Jan 20	012	THE PROPERTY OF STREET	CHRISTOPHER SEL	LARS	-			
Date			Inventor Signature	ANDREW HEWITT		(SEAL)			
Date			Inventor Signature						
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ncither, Date	This assignment should prothen it should be signed bef	eferably b fore at lea	e signed before: (a) a Notary Pul at two witnesses who also sign h Witness	olic if within the U.S.A.	BRUCE TI	<u>aumage</u> )			
Date	18/1/20	12	Witness _	# T Y COOP	(ANDREW	neck			

PATENT REEL: 027580 FRAME: 0350

## ASSIGNMENT

			ASSIGN			
		(1)	CHRISTOPHER SELLARS	(5)		
(1-8)	Insert	(2)	ANDREW HEWITT	(6)		
	Name(s) of Inventor(s)	(3)		(7)		
		(4)				
			In consideration of the sum of o	ne dollar (\$1.00) and	other good and valuable	consideration paid
		to cach over to	of the undersigned, each under	signed agrees to assig	n, and hereby does assig	n, transfer and set
(9)	Insert Name of Assignee Insert Address of	(9)	ROLLS-ROYCE PLC			
(10)	Assignee	GREAT BRITAIN successors, assigns and leter as defined in 35 U.S.Call provisional, non-proviet application(s), and all Leter application (s), and all Leter application (s).	C, §100, in the sional, etters Patent,			
(11)	Insert	(11)	AN EROSION TESTING ASS	SEMBLY		
	Identification  such as Title, Case		4731 PDG			
	Number, or Foreign Application Number	(Atton	ney Docker No. 15215			)
		for wh	ich the undersigned has (have) e		n for parent in the United	I States of America
(12)	Insert Date of Signing of	(12)				
	Application	41.00		13/350	7.028	
(13)	Alternative Identification for		U.S. application Serial Numbe			**************************************
	filed applications	filed	ite all papers necessary in conne			
the Ass claims reexam Patents full rig and agi	signee in every way possible  3) Each undersigned agree or provisions of the Internati  4) Each undersigned agree ination a grant of a valid United States resulting to convey the entire interested that this assignment is b  6) Each undersigned herelication that may be necessary	In obtaining to executional Converse to perform the orizes and ing from satisfication on the original original inding on the original original inding on the original	ereof, or any patent or reissue aging evidence and going forward vate all papers and documents and vention for Protection of Industrian all affirmative acts which may patent to the Assignce.  requests the Commissioner of the application(s) to the said Assigned, and that he has not exchim and his heirs, successors, a the firm of OLIFF & BERHIDGE, ble in order to comply with the said and that he are successors.	with such interference of perform any act whit is all Property or similar any be necessary to obtain the U.S. Patent and Traignee, as Assignee of the cuted, and will not expected, and legal represents the power to insert the power the p	th may be necessary in cagreements.  ain, maintain or confirm ademark Office to issue a the entire interest, and concute, any agreements in sentatives.  ert on this assignment an	by reissue or  any and all Letters ovenants that he has a conflict herewith, y further
records	ation of this document. In witness whereof, execu	uted by th	e undersigned on the date(s) o	pposite the undersig	ned name(s).	
Date		•	Inventor Signature	CHRISTOPHER_SI		(SEAL)
Date	2.3rd December	2011	Inventor Signature	ANDREW HEWIT	On other	(SEAL)
Date			Inventor Signature			(SEAL)
Date			Inventor Signature	province and a second s		(SEAL)
Date			Inventor Signuture			(SEAL)
Date			Inventor Signature	***************************************		(SEAL)
Date			Inventor Signature			
Date			Inventor Signature			(SEAL)
neither Date	This assignment should protect the signed be 23-d December 1	forc at lea	e signed before: (a) a Notary Pu st two witnesses who also sign h Witness	blic if within the U.S.	A, (b) a U.S. Consultifo	utside the U.S.A. If
	23 M AGCEM			Pleado		
Date	4 7 FULLEYVI			7.		

**PATENT** 

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