# 503436016 08/13/2015

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3482640

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

## **CONVEYING PARTY DATA**

Name	Execution Date
John Philip RICHARDSON	07/20/2015
Paul BROUGHTON	08/12/2015

# **RECEIVING PARTY DATA**

Name: Rolls-royce Plc	
Street Address:	62 Buckingham Gate
City: London	
State/Country:	GB
Postal Code:	SW1E 6AT

# **PROPERTY NUMBERS Total: 1**

Property Type	Number		
Application Number:	14825774		

# **CORRESPONDENCE DATA**

**Fax Number:** (703)836-2787

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 703-836-6400
Email: email@oliff.com
Correspondent Name: JAMES A. OLIFF
Address Line 1: OLIFF PLC

Address Line 2: P.O. BOX 320850

Address Line 4: ALEXANDRIA, VIRGINIA 22320-4850

ATTORNEY DOCKET NUMBER:	167429
NAME OF SUBMITTER:	CAROLINE DULIN
SIGNATURE:	/Caroline Dulin/
DATE SIGNED:	08/13/2015

# **Total Attachments: 4**

source=8-13-2015 Assignment#page1.tif

source=8-13-2015 Assignment#page2.tif

source=8-13-2015 Assignment#page3.tif

source=8-13-2015 Assignment#page4.tif

PATENT REEL: 036344 FRAME: 0453

503436016

# ASSIGNMENT (BEING FILED FOR DUAL PURPOSE UNDER 37 CFR 1.63(e)) For Application with Filing Date on or after September 16, 2012

### ASSIGNMENT

	Insert	(1)	JOHN PHILIP RICHARDSON	(2)	PAUL BROUGHTON	
(1-8)	Legal Name(s)	(3)		(4)		
	of Inventor(s)	(5)		(6)		
		(7)		(8)		
		the und		which are I	r good and valuable consideration paid to each of hereby acknowledged, each undersigned agrees to	
(9)	Insert Name of Assignce	(9)	ROLLS-ROYCE PLC			
(10)	Insert Address of Assignee	(10)	62 Buckingham Gate, London, SW11	E 6AT, Gre	eat Britain	
		the ent inventi contin	ire right, title and interest for the United ion, and in all applications for patent inc uation, international, confirmation, subst	States of A luding any titute and re	eirs, successors, assigns and legal representatives America as defined in 35 U.S.C. §100, in the and all provisional, non-provisional, divisional, eissue application(s), and all Letters Patent, ay be granted on the invention known as	•
(11)	Insert Identification such as Title, Case	(11)	EARTHING ARRANGEMENT FOR	R ELECTRI	ICAL PANEL	
	Number, or Foreign		5546 MRH			
	Application Number	(Attor	ney Docket No.			)
(12)	Alternative Identification for	(12)	U.S. Application Number			_
	filed applications	filed	< <application date="">&gt;</application>			
					-	

- 1) Each undersigned agrees to execute all papers necessary in connection with any application and/or patent for the invention and also to execute separate assignments in connection with such applications and patents as the Assignee may deem necessary.
- 2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning any application or patents for the invention and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with
- 3) Each undersigned agrees 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 or similar agreements.
- 4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignee.
- 5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office and other issuing authorities to issue any and all patents resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreement(s) in conflict herewith,
- and agrees that this assignment is binding on Assignor and Assignor's heirs, successors, assigns and legal representatives.

  6) Each undersigned hereby grants the firm of OLIFF PLC the power to insert on this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

#### (13)Declaration

As an above named inventor, I hereby declare that:

I believe I am the original inventor or an original joint inventor of a claimed invention (or claimed design) in the above-identified application for which this declaration is being submitted.

The application was made or authorized to be made by me.

I have reviewed and understand the contents of the above-identified application, including the claims, and am aware of the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 CFR §1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

	Mary many of an information		- >Ohn C KICHQA	150h
Date	20 JULY 2015	Inventor Signature	JOHN PHILIP RICHARDSON	(SEAL)
Date		Inventor Signature	PAUL BROUGHTON	(SEAL)
Date		Inventor Signature		(SEAU)
Date		Inventor Signature	-	(SEAL)
neither, Date	This assignment should preferably be signed then it should be signed before at least two wards to be signed before at least two wards are should be should be signed before at least two wards are should be should be signed by the should be should be signed by the signed by the should be should be signed by the should be should b	i before: (a) a Notacy Pui dimesses who also sign b Witness for John Philip Richardson	his if within the U.S.A. (b) a U.S. Consul if our pre:	riside the U.S.A. If
Date :	20 JULY 2015	Witness for John Philip Richardson	The D'	
Date		Witness for Faul Broughton		

# ASSIGNMENT (BEING FILED FOR DUAL PURPOSE UNDER 37 CFR 1.63(e)) For Application with Filing Date on or after September 16, 2012

### ASSIGNMENT

	Since	{1}	JUBN PRIEM KICHARUSUN	(2)	PAULBROUGHTUN
(1-8)	Legal Name(s)	(3)		(4)	
	of Inventor(s)	(5)		(6)	
		(7)		(8)	
		the un-		vhich are	r good and valuable consideration paid to each of hereby acknowledged, each undersigned agrees to
(9)	Insert Name of Assignce	(9)	ROLLS-ROYCE PLC		
(10)	Insert Address of Assignee	(10)	62 Buckingham Oste, London, SWIE 6AT, Great Britain		
<b>(11)</b>	Insert Edentification	the enin	ire right, title and interest for the United ! ion, and in all applications for patent incli	States of Auding any tute and re tes that m	
(,	such as Title, Case Number, or Foreign	(,	5546 MRH		
	Application Number	(Attor	ney Docket No.		)
(12)	Alternative	(13)	U.S. Application Number		
	filed applications	filed	< <application date="">&gt;</application>		
					***************************************

- 1) Each undersigned agrees to execute all papers necessary in connection with any application and/or patent for the invention and also to execute separate assignments in connection with such applications and patents as the Assignee may deem necessary.
- 2) Each undersigned agrees to execute all papers necessary in connection with any interference which may be declared concerning any application or patents for the invention and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.
- 3) Each undersigned agrees 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 or similar agreements.
- 4) Each undersigned agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to the Assignee.
- 5) Each undersigned authorizes and requests the Commissioner of the U.S. Patent and Trademark Office and other issuing authorities to issue any and all patents resulting from said application(s) to the said Assignee, as Assignee of the entire interest, and covenants that he has full right to convey the entire interest herein assigned, and that he has not executed, and will not execute, any agreement(s) in conflict herewith, and agrees that this assignment is binding on Assignor and Assignor's heirs, successors, assigns and legal representatives.
- 6) Each undersigned hereby grants the firm of OLIFF FLC the power to insert on this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

#### (13) Declaration

As an above named inventor, I hereby declare that:

I believe I am the original inventor or an original joint inventor of a claimed invention (or claimed design) in the above-identified application for which this declaration is being submitted.

The application was made or authorized to be made by me.

I have reviewed and understand the contents of the above-identified application, including the claims, and an aware of the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 CFR §1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

In witness whereof, executed by the undersigned on the date(s) apposite the undersigned name(s).

Date	······	Inventor Signature	JOHN PHILIP BICHARDSON	(SEAL)
			Put and	
Date	114" AUGUST 2015	Inventor Signature	PAUL BROUGHTON	(SEAL)
Bate		Inventor Signature		(SEAL)
Dute		Inventor Signature		(SEAL)
neithei	This assignment should preferably be signed , then it should be signed before at least two wi	before: (a) a Notary Pui tnesses who also sign h Witness for John	blic if within the U.S.A. (b) a U.S. Consul if outsidene.	e the U.S.A. If
Date	***************************************	Philip Richardson		
Date		Witsess for John Philip Richardssn		
Date	12/08/2015	Witness for Paul Broughton	2000 G0005	and the second
Date	12.08.2015	Witness for Paul Broughton	Trans in the	0