503990644 09/02/2016

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
Steven A RADOMSKI	08/25/2016
Simon READ	08/25/2016

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number		
Application Number:	15256099		

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:	172899
NAME OF SUBMITTER:	SARAHMCCART
SIGNATURE:	/Sarah McCart/
DATE SIGNED:	09/02/2016
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 4

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

ASSIGNMENT

(1-8)	(-8) Insert Legal Name(s) of Inventor(s)		RADOMSKI, Steven A; READ, Simon	
	In consideration of the sum of sufficiency of which are hereb	one dolla y acknow	or (\$1.00) and other good and valuable consideration paid to each of the undersigned, the receipt and reledged, each undersigned agrees to assign, and hereby does assign, transfer and set over to	
(9)	Insert Name of Assignee		ROLLS-ROYCE plc	
(10)	Insert Address of Assignee		62 Buckingham Gate, London, SW1E 6AT, Great Britain	
	for the United States of Ameri provisional, non-provisional, o	ca as defi livisional	and Assignee's heirs, successors, assigns and legal representatives, the entire right, title and interest med in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all continuation, international, confirmation, substitute and reissue application(s), and all Letters ination certificates that may be granted on the invention known as	
(11)	Insert Identification such as Title, Case	(11)	A Casing for a Gas Turbine Engine and a Method of Manufacturing such a Casing	
	Number, or Foreign Application		5938 MRH	
	Number	(Attor	rney Docket No)	
(12)	Alternative	(12)	U.S. Application Number	
	Identification for			
	filed applications	filed		
	for the invention and as the Assignee may of 2) Each undersigned as be declared concernin every way possible in 3) Each undersigned as necessary in connection Industrial Property or 4) Each undersigned as confirm by reissue or 5) Each undersigned at other issuing authoritias Assignee of the entassigned, and that he agrees that this assign representatives. 6) Each undersigned he identification that may	also to deem negrees to g any a obtaining rees to on with similar grees to reexamuthorize tes to is ire internal internal is ereby gry be near to deem of the reexample.	execute all papers necessary in connection with any interference which may pplication or patents for the invention and to cooperate with the Assignee in any evidence and going forward with such interference. execute all papers and documents and perform any act which may be claims or provisions of the International Convention for Protection of	

(13) Declaration

As an above named inventor, I hereby declare that:

(Print name) STEVEN A RADOMSKI

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 opposite the undersigned name.

Date	250 August 2016	Inventor Signa	sture Man And (SEAL)
Cons			e: (a) a Notary Public if within the U.S.A. (b) a U.S. signed before at least two witnesses who also sign here:
Date	25th AUGUST 2016	Witness	G Ant
Date	25 TH AVEUST 2016	Witness	D. Young

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

ASSIGNMENT

(1-8)	-8) Insert Legal Name(s) of Inventor(s)		RADOMSKI, Steven A; READ, Simon	
	In consideration of the sum of sufficiency of which are hereb	one dolla y acknow	er (\$1.00) and other good and valuable consideration paid to each of the undersigned, the receipt and reledged, each undersigned agrees to assign, and hereby does assign, transfer and set over to	
(9)	Insert Name of Assignee		ROLLS-ROYCE plc	
(10)) Insert Address of Assignee		62 Buckingham Gate, London, SW1E 6AT, Great Britain	
	for the United States of Ameri provisional, non-provisional, d	ca as defi livisional,	and Assignee's heirs, successors, assigns and legal representatives, the entire right, title and interest ned in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all continuation, international, confirmation, substitute and reissue application(s), and all Letters ination certificates that may be granted on the invention known as	
(11)	Insert Identification such as Title, Case Number, or Foreign Application Number	(11)	A Casing for a Gas Turbine Engine and a Method of Manufacturing such a Casing	
			5938 MRH	
		(Attor	ney Docket No)	
(12)	Alternative	(12)	U.S. Application Number	
	Identification for filed applications	filed		
	for the invention and a as the Assignee may d 2) Each undersigned ag	also to e leem ne grees to	execute all papers necessary in connection with any application and/or patent execute separate assignments in connection with such applications and patents accessary. execute all papers necessary in connection with any interference which may	

- 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 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.

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

Invent	OI.		
(Print	name) SIMON READ		
Date	25 August 2016	Inventor Signature	(SEAL)
Const			a Notary Public if within the U.S.A. (b) a U.S. d before at least two witnesses who also sign here:
Date	25 TH AUGUST 2016	Witness	D. Young
Date	25 TH AUGUST 2016	Witness	CAA