503792098 04/20/2016

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Arthur Laurence ROWE	02/29/2016
Marko BACIC	02/29/2016

RECEIVING PARTY DATA

Name:	Rolls-Royce plc	
Street Address: 62 Buckingham Gate		
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State/Country:	Great Britain	
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PROPERTY NUMBERS Total: 1

Property Type	Number		
Application Number:	15133883		

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ATTORNEY DOCKET NUMBER:	170887	
NAME OF SUBMITTER:	CARRIE SMITH	
SIGNATURE:	/Carrie H. Smith/ for James A. Oliff	
DATE SIGNED:	04/20/2016	

Total Attachments: 2

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PATENT 503792098 REEL: 038334 FRAME: 0417

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)	Insert Legal Name(s Inventor(s)) of	ROWE, Arthur Laurence; BACIC, Marko	
			r (\$1.00) and other good and valuable consideration paid to each of the undersigned, the receipt as dedged, each undersigned agrees to assign, and hereby does assign, transfer and set over to	nd
(9)	Insert Name of Assig	gnee	ROLLS-ROYCE plc	
(10)	Insert Address of As	signee	62 Buckingham Gate, London, SW1E 6AT, Great Britain	
for the United States of America as define provisional, non-provisional, divisional, c Patent, extensions, reissues and reexamina (11) Insert Identification (11)		ca as defi livisional d reexam	and Assignee's heirs, successors, assigns and legal representatives, the entire right, title and intered 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 Turbine Tip Clearance	きst
	such as Title, Case Number, or Foreign		5809 VJAY	
	Application (Attorn		rney Docket No.)
(12)	Alternative	(12)	U.S. Application Number	
	Identification for			
	filed applications	filed		

- 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 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.

PATENT REEL: 038334 FRAME: 0418

(13) Declaration

Tanaha kalantat

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.

ROWE Arthur Laurence, RACIC Marko

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).

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Date	29th February 16	Inventor Signature	Athin Laurence Rove	(SEAL)
Date	29 K Februar 16	Inventor Signature	Harlo Juar BACIC, Marko	(SEAL)
Date		Inventor Signature		(SEAL)
Consi			a Notary Public if within the U.S.A. (b) a ld before at least two witnesses who also sig	
Date	29 February 2016	Witness for ROWE, Arthur Laurence	Mylen M PAGE	
Date	29th February 2016	Witness for ROWE, Arthur Laurence	£123 7.61	<u></u>
Date	2 <u>9 February 2016</u>	Witness for BACIC, Marko	4/yly MRAGE	
Date	29th February 2016	Witness for BACIC, Marko	J. W.	<u>wan an</u> S