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103654066

Attorney Docket No. 156113

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01-11-13

1. A. Name of conveying parties:

[1] Peter BEECROFT
[2] Leo Vivian LEWIS
[3] Marko BACIC

B. Additional name(s) of conveying party(ies) attached?
 Yes No

2. A. Name and address of receiving party:

ROLLS-ROYCE PLC
65 BUCKINGHAM GATE,
LONDON, SW1E 6AT,
GREAT BRITAIN

B. Additional name(s) & address(es) attached?
 Yes No

3. A. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____

B. Execution Date: [1]: December 6, 2012;
[2]: November 30, 2012 and
[3]: December 7, 2012

4. This document is being filed together with a new application.

A. Patent Application No. 13,735508 | B. Patent No.(s) _____

Additional numbers attached? Yes No

C. Title of Application: IMPROVEMENTS IN OR RELATING TO GAS TURBINE ENGINE CONTROL

D. This Assignment is submitted for a dual purpose: (1) recording in the assignment database; and (2) for use in the above-identified application as the oath or declaration pursuant to 37 CFR 1.63(c).

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: James A. Oliff

Address: OLIFF & BERRIDGE, PLC
P.O. Box 320850
Alexandria, VA 22320-4850

6. Total number of applications and patents involved: 1

7. Please charge Deposit Account No. 15-0461 the total fee (37 CFR 3.41) in the amount of \$40.00.

8. Credit any overpayment or charge any underpayment to 13735508 deposit account number 15-0461.
01 FC:0021 40.00 DA

9. Statement and signature.
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Date: January 7, 2013

James A. Oliff, Registration No. 27,075
Alan Y. Liu, Registration No. 69,116

Total number of pages including cover sheet, attachments, and document: 7

**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) of Inventor(s)	(1) Peter BEECROFT _____ (3) Marko BACIC _____ (5) _____ _____ (7) _____	(2) Leo Vivian LEWIS _____ (4) _____ (6) _____ _____ (8) _____
-------	---	--	---

In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, the receipt and sufficiency of which are hereby acknowledged, each undersigned agrees to assign, and hereby does assign, transfer and set over to

(9)	Insert Name of Assignee	(9) ROLLS-ROYCE PLC _____
(10)	Insert Address of Assignee	(10) 65 Buckingham Gate, London, SW1E 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 Identification such as Title, Case Number, or Foreign Application Number	(11) Improvements In or Relating to Gas Turbine Engine Control _____ (Attorney Docket No. <u>156113</u>)
------	---	---

(12)	Alternative Identification for filed applications	(12) U.S. Application Number _____ filed <u>January 7, 2013</u>
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- 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 & BERRIDGE, 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).

Date	<u>6th December 2012</u>	Inventor Signature	<u>P Beecroft</u> 	(SEAL)
Date	_____	Inventor Signature	<u>L Lewis</u>	(SEAL)
Date	_____	Inventor Signature	<u>M Bacic</u>	(SEAL)
Date	_____	Inventor Signature	_____	(SEAL)
Date	_____	Inventor Signature	_____	(SEAL)
Date	_____	Inventor Signature	_____	(SEAL)
Date	_____	Inventor Signature	_____	(SEAL)
Date	_____	Inventor Signature	_____	(SEAL)

This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:

Date	<u>6th December 2012</u>	Witness	<u>for P Beecroft</u>  (S. G. GARNER)
Date	<u>6th December 2012</u>	Witness	<u>for P Beecroft</u>  (R. SWARPE)
Date	_____	Witness	<u>for L Lewis</u>
Date	_____	Witness	<u>for L Lewis</u>
Date	_____	Witness	<u>for M Bacic</u>
Date	_____	Witness	<u>for M Bacic</u>

**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) of Inventor(s)	(1) <u>Peter BEECROFT</u>	(2) <u>Leo Vivian LEWIS</u>
		(3) <u>Marko BACIC</u>	(4) _____
		(5) _____	(6) _____
		(7) _____	(8) _____

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(10)	Insert Address of Assignee	(10) <u>65 Buckingham Gate, London, SW1E 6AT, Great Britain</u>

(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 Identification such as Title, Case Number, or Foreign Application Number	(11) <u>Improvements In or Relating to Gas Turbine Engine Control</u>
		(Attorney Docket No. <u>156113</u>)

(12)	Alternative Identification for filed applications	(12) U.S. Application Number _____ filed <u>January 7, 2013</u>
------	---	--

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(13) Declaration

As an above named inventor, I hereby declare that:

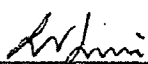
I believe I am the original inventor or an original joint inventor of a claimed invention (or claimed design) in the above-identified application for which this declaration is being submitted.

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


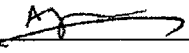
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In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date	_____	Inventor Signature	P Beecroft	(SEAL)
Date	30 NOVEMBER 2012	Inventor Signature	L Lewis 	(SEAL)
Date	_____	Inventor Signature	M Bacic	(SEAL)
Date	_____	Inventor Signature	_____	(SEAL)
Date	_____	Inventor Signature	_____	(SEAL)
Date	_____	Inventor Signature	_____	(SEAL)
Date	_____	Inventor Signature	_____	(SEAL)
Date	_____	Inventor Signature	_____	(SEAL)

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Date	_____	Witness	for P Beecroft
Date	_____	Witness	for P Beecroft
Date	30 NOVEMBER 2012	Witness	for L Lewis  A. D. DEIGHAN
Date	30 NOVEMBER 2012	Witness	for L Lewis 
Date	_____	Witness	for M Bacic
Date	_____	Witness	for M Bacic

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ASSIGNMENT

Insert	(1) <u>Peter BEECROFT</u>	(2) <u>Leo Vivian LEWIS</u>
(1-8) Legal Name(s) of Inventor(s)	(3) <u>Marko BACIC</u>	(4) _____
	(5) _____	(6) _____
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In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date _____ Inventor Signature P Beecroft (SEAL)

Date _____ Inventor Signature L Lewis (SEAL)

Date 07/12/12 Inventor Signature M Bacic *[Signature]* (SEAL)

Date _____ Inventor Signature _____ (SEAL)

Date _____ Inventor Signature _____ (SEAL)

Date _____ Inventor Signature _____ (SEAL)

Date _____ Inventor Signature _____ (SEAL)

Date _____ Inventor Signature _____ (SEAL)

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Date _____ Witness for P Beecroft

Date _____ Witness for P Beecroft

Date _____ Witness for L Lewis

Date _____ Witness for L Lewis

Date 7/12/2012 Witness for M Bacic *[Signature]* (R SWARPE)

Date 7/12/2012 Witness for M Bacic *[Signature]* (P. BANISTER)