

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2720431

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Kenneth Franklin UDALL</td> <td>02/06/2014</td> </tr> <tr> <td>David Michael BEAVEN</td> <td>01/27/2014</td> </tr> <tr> <td>Mark John HOULE</td> <td>02/05/2014</td> </tr> </tbody> </table>		Name	Execution Date	Kenneth Franklin UDALL	02/06/2014	David Michael BEAVEN	01/27/2014	Mark John HOULE	02/05/2014		
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Mark John HOULE	02/05/2014										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>ROLLS-ROYCE PLC</td> </tr> <tr> <td>Street Address:</td> <td>65 Buckingham Gate</td> </tr> <tr> <td>City:</td> <td>London</td> </tr> <tr> <td>State/Country:</td> <td>Great Britain</td> </tr> <tr> <td>Postal Code:</td> <td>SW1E 6AT</td> </tr> </table>		Name:	ROLLS-ROYCE PLC	Street Address:	65 Buckingham Gate	City:	London	State/Country:	Great Britain	Postal Code:	SW1E 6AT
Name:	ROLLS-ROYCE PLC										
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PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>14176646</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14176646						
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Application Number:	14176646										
CORRESPONDENCE DATA											
Fax Number:	(703)836-2787										
Phone:	703-836-6400										
Email:	email@oliff.com										
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>											
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:	160517										
NAME OF SUBMITTER:	SARAH CHOI										
Signature:	/Sarah Choi/ for James A. Oliff										

Date:

02/10/2014

Total Attachments: 6

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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

Insert	(1)	Kenneth Franklin UDALL	(2)	David Michael BEAVEN
(1-8) Legal Name(s)	(3)	Mark John HOULE	(4)	
of Inventor(s)	(5)		(6)	
	(7)		(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)	Propellor Blade Retention
	(Attorney Docket No.	160517)

(12) Alternative Identification for filed applications	(12)	U.S. Application Number	14/176,646
	filed	February 10, 2014	

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.

(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 6th February 2014 Inventor Signature Kenneth Franklin Udall (SEAL)
Kenneth Franklin UDALL

Date _____ Inventor Signature David Michael BEAVEN (SEAL)

Date _____ Inventor Signature Mark John HOULE (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 6th February 2014 Witness L.J. Rodgers.
for Kenneth Franklin UDALL

Date 6th February 2014 Witness K. Goddard
for Kenneth Franklin UDALL

Date _____ Witness _____
for David Michael BEAVEN

Date _____ Witness _____
for David Michael BEAVEN

Date _____ Witness _____
for Mark John HOULE

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(9) Insert Name of Assignee	(9)	<u>ROLLS-ROYCE PLC</u>		
(10) Insert Address of Assignee	(10)	<u>65 Buckingham Gate, London, SW1E 6AT, Great Britain</u>		
<p>(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</p>				
(11) Insert Identification such as Title, Case Number, or Foreign Application Number	(11)	<u>Propellor Blade Retention</u>		
		<p>(Attorney Docket No. <u>160517</u>)</p>		
(12) Alternative Identification for filed applications	(12)	<p>U.S. Application Number <u>14/176,646</u></p> <p>filed <u>February 10, 2014</u></p>		

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

Date _____ Inventor Signature Kenneth Franklin UDALL (SEAL)

Date 27 January 2014 Inventor Signature David Michael BEAVEN (SEAL)
David Michael Beaven

Date _____ Inventor Signature Mark John HOULE (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 _____ Witness for Kenneth Franklin UDALL

Date _____ Witness for Kenneth Franklin UDALL

Date 27 JANUARY 2014 Witness R. Ineson
for David Michael BEAVEN

Date 27 JANUARY 2014 Witness for David Michael BEAVEN

Date _____ Witness for Mark John HOULE

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(11)	Insert Identification such as Title, Case Number, or Foreign Application Number	(11)	<u>Propellor Blade Retention</u>		
			<u>(Attorney Docket No. 160517)</u>		
(12)	Alternative Identification for filed applications	(12)	<u>U.S. Application Number 14/176,646</u>		
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Date _____ Inventor Signature Kenneth Franklin UDALL (SEAL)

Date _____ Inventor Signature David Michael BEAVEN (SEAL)

Date 5-FEB-14 Inventor Signature Mark John HOULE *Mark Houle* (SEAL)

Date _____ Inventor Signature _____ (SEAL)

Date _____ Inventor Signature _____ (SEAL)

Date _____ Inventor Signature _____ (SEAL)

Date _____ Inventor Signature _____ (SEAL)

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Date _____ Witness for Kenneth Franklin UDALL

Date _____ Witness for David Michael BEAVEN

Date _____ Witness for David Michael BEAVEN

Date 5th FEB 2014 Witness for Mark John HOULE *Mark Houle*

Date 5th FEB 2014 Witness for Mark John HOULE *Mark Houle*