

01-03-2007

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103356011

SHEET

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)**

John Jay  
Simon Charles Harding

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) December 12, 2006

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other

**2. Name and address of receiving party(ies)**

Name: Rolls-Royce Power Engineering plc

Internal Address: \_\_\_\_\_

Street Address: Moor Lane

City: Derby DE24 8BJ

State: \_\_\_\_\_

Country: England Zip: \_\_\_\_\_

Additional name(s) & address(es) attached? ☐ Yes ☒ No

**4. Application or patent number(s):**

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

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: John H. Allie

Internal Address: Krieg DeVault LLP

Street Address: One Indiana Square, Suite 2800

City: Indianapolis

State: Indiana Zip: 46204

Phone Number: (317) 238-6268

Fax Number: (317) 238-6371

Email Address: jallie@kdlegal.com

**6. Total number of applications and patents involved: 1**

**7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00**

- ☒ Authorized to be charged by credit card  
☐ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

**8. Payment Information**

a. Credit Card Last 4 Numbers 1070  
Expiration Date 4/10

b. Deposit Account Number \_\_\_\_\_

Authorized User Name 12/26/2006 TRESHAW1 00000020 11643090

85 EC:0021

48.00.00

**9. Signature:**

Signature

December 21, 2006

Date

John H. Allie  
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

4

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

PATENT  
REEL: 018736 FRAME: 0750

## ASSIGNMENT

WHEREAS John Jay of 14 The Plaza, Anvil Street, Bristol BS2 0QF, UNITED KINGDOM and Simon C. Harding of 14A Shorton Road, Paignton, Devon TQ3 2NA, UNITED KINGDOM, hereinafter referred to as Assignors, have made one or more new and useful inventions in SECOND STAGE TURBINE AIRFOIL for which Assignors have made or will make application for Letters Patent of the United States (hereinafter the "Application"); and

WHEREAS, Rolls-Royce Power Engineering plc, hereinafter referred to as Assignee, having a principal place of business at Moor Lane, Derby DE24 8BJ, ENGLAND, desires to acquire all of the entire right, title and interest in, to and under the one or more inventions disclosed, described and claimed or intended so to be in the Application, and in, to and under the Application, and in, to and under any and all Letters Patent, United States and foreign, which may be obtained therefore and thereon;

NOW, THEREFORE, to all whom it may concern, be it known that for and in consideration of the sum of One Dollar (\$1.00) and other good, valuable and sufficient considerations to Assignors in hand paid, the receipt of which is hereby acknowledged, Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer unto Assignee, all of the entire right, title, and interest in, to and under the one or more inventions disclosed, described and claimed or intended so to be in the Application entitled SECOND STAGE TURBINE AIRFOIL, and any and all other applications thereon and arising therefrom, including any and all applications claiming

the benefit thereof, and any and all divisions, continuations, and continuations-in-part thereof, and any and all patents to be issued and obtained therefor and thereon, United States and foreign, including all reissues and extensions thereof.


Assignors acknowledge that the Application was executed concurrently herewith unless a different execution date is indicated in item (a) below. Assignors hereby authorize Assignee, its counsel, or its agents to fill-in some or all of the following list of information items (a) through (c) at the discretion of the Assignee, its counsel, or its agents:

- (a) Execution Date of the Application: December 20, 2006
- (b) Patent Office Number of the Application: \_\_\_\_\_
- (c) Filing Date of the Application: \_\_\_\_\_

Assignors hereby authorize and request the Honorable Assistant Secretary and Commissioner for Patents and Trademarks to issue said Letters Patent to Assignee, its assigns and legal representatives.

Assignors agree to assign and execute any and all other papers necessary or desirable for the procurement of Letters Patent on said invention in this and all foreign countries for the use of Assignee.

WITNESS Assignor's hand this 12th day of DECEMBER, 2006.

John Jay 

WITNESS Assignor's hand this 12<sup>th</sup> day of December, 2006.

Simon C. Harding  
Simon C. Harding

Witness Name: MARK HILLIER

Witness Signature: M. D. Hillier

Date: 12-12-2006

Rolls-Royce

By: Matthew D. Fair

Printed Name: Matthew D. Fair

Date: 12/13/06