

**RECORDATION FORM COVER SHEET
PATENT APPLICATIONS & PATENTS ONLY**

04-02-2002



102039220

TO THE HONORABLE COMMISSIONER OF PATENTS AND TRADEMARKS:

SIR: PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY T

1. NAME OF CONVEYING PARTY(IES) (ASSIGNOR(S)):

1. THOMPSON, Ewan Fergus
2. MARTINDALE, Ian Graham
3. KNOTT, David Sydney

4. UDALL, Kenneth Franklin
5. GEARY, David
6. REED, Julian Mark
7. SATHIANATHAN, S. K.

ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? ☐ YES☒ NO

2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST:

NAME: Rolls-Royce plc
65 Buckingham Gate
London SW1E 6AT
England

3 25 02

ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? ☐ YES☒ NO

3. NATURE OF CONVEYANCE (DOCUMENT):

(Submit herewith only one document for recordation -- multiple copies of same Assignment signed by different inventors is one document)

☒ ASSIGNMENT OF ☒ WHOLE ☐ PART INTEREST
☐ CHANGE OF NAME ☐ VERIFIED TRANSLATION

EXEC. DATE: 7/23/01; 7/24/01; 7/30/01;
8/8/01; 7/20/01☐ SECURITY ☐ MERGER ☐ OTHER:

4. EXECUTION DATE(S) ON THE DECLARATION IF FILED HERewith: (NOTE: IF DATES ↑↓ DIFFER SEE ATTY!):

4.5 APPL. NO.(S) OR PAT. NO.(S). OTHERS ON ADDITIONAL SHEET(S) attached? ☐ YES ☒ NO

A. PAT. APP. NO.(S) series code/serial no	M#	1ST INVENTOR if not in item 1	B. PATENT NO(S)	M#	1ST INVENTOR if not in item 1
09/924,104	84186				

5. Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed:

Manelli, Denison & Selter PLLC
SEVENTH FLR.
2000 M STREET N.W.
WASHINGTON, D.C. 20036
Att: Warren Taltavull

6. NUMBER INVOLVED:

APPLNS 1 + PATS: = TOTAL 1

7. AMOUNT OF FEE ENCLOSED: (Code 581)

ABOVE TOTAL X \$40 = \$ 40

5.5 ATTY DKT

8. IF ABOVE FEE IS MISSING OR INADEQUATE CHARGE INSUFFICIENCY TO DEPOSIT ACCOUNT NUMBER: 50-0687

84186	wwt	UNDER ORDER NO	84186
MATTER NO.	CLIENT REF.	dup. sheet not required	CLIENT NO.

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.

Signature

10. Total number of pages including this cover sheet, attachments and document (do not file dup. Cover sheet)

5

Attorney: W. Warren Taltavull

Reg. No. 25647

Date: March 25, 2002

04/01/2002 TDIAZ1 00000212 500687 09924104

M FC:581

40.00 CH

**PATENT
REEL: 012728 FRAME: 0167**

Please return signed/recorded to:

USA Patent Appln.
Sole or JointFor Inventions made outside USA
executed with or after application

Atty. Dkt.

73155

2547

M#

Client Ref.

Manelli, Denison & Selter PLLC
2000 M Street N.W., 7th Floor
Washington, D.C. 20036

NONPROVISIONAL

ASSIGNMENT
OF NONPROVISIONAL APPLICATION

NONPROVISIONAL

In consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration paid to the undersigned, to wit:

INSERT
NAME(S) OF
INVENTOR(S)

(1) Ewan Fergus Thompson	(4) Kenneth Franklin Udall
(2) Ian Graham Martindale	(5) David Geary
(3) David Sydney Knott	[X] X box if continued on page 2

the receipt and sufficiency of which are hereby acknowledged by the undersigned who at the request of, hereby sell(s), assign(s) and transfer(s) unto:

INSERT
NAME(S) OF
ASSIGNEE(S)
& ADDRESS(ES)

Rolls-Royce plc, a British Company of

65 Buckingham Gate

London

SW1E 6AT

England

(hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100, in the invention and all applications including any and all divisions, continuations, substitutes, and reissues thereof; and all resulting patents, known as

TITLE OF
INVENTION

A GAS TURBINE ENGINE BLADE CONTAINMENT ASSEMBLY

For which the undersigned executed an application for Letters Patent of the United States of America:

NOTE

(A) ☒ even date herewith

(COMPLETE

(B) ☐ on _____

LINES A,B, AND/OR C)

(C) ☐ in U.S. Application No. _____ / _____ filed _____

AND the undersigned hereby authorize(s) and request(s) the United States Commissioner of Patents and Trademarks to issue said Letters Patent to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree(s) that the attorney of record in said application shall hereinafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree(s) to testify and execute any papers for ASSIGNEE, its successors, assigns and legal representatives, deemed essential by ASSIGNEE to ASSIGNEE'S full protection and title in and to the invention hereby transferred.

NOTE → → The undersigned hereby authorize(s) Manelli, Denison & Selter PLLC, of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

INVENTOR(S)

DATE SIGNED

WITNESSES

1) Ewan F Thompson
Name: Ewan Fergus Thompson24/7/01[Signature]2) Ian Graham Martindale
Name: Ian Graham Martindale23/7/01[Signature]3) David Sydney Knott
Name: David Sydney Knott30/7/01[Signature]4) Kenneth F Udall
Name: Kenneth Franklin Udall30/7/01[Signature]5) David Geary
Name: David Geary8/8/01[Signature]

IF ADDITIONAL INVENTORS, check box [X] and continue on page 2.

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USA Patent Appln.
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Atty. Dkt.	73155	2547
	M#	Client Ref.

Manelli, Denison & Selter PLLC
2000 M Street N.W., 7th Floor
Washington, D.C. 20036

NONPROVISIONAL

ASSIGNMENT OF NONPROVISIONAL APPLICATION

NONPROVISIONAL

In consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration paid to the undersigned, to wit:

INSERT
NAME(S) OF
INVENTOR(S)

(6)	Julian Mark Reed	
(7)	Sivasubramaniam Kathirgamathamby Sathianathan	

the receipt and sufficiency of which are hereby acknowledged by the undersigned who at the request of, hereby sell(s), assign(s) and transfer(s) unto:

INSERT
NAME(S) OF
ASSIGNEE(S)
& ADDRESS(ES)

Rolls-Royce plc, a British Company of**65 Buckingham Gate****London****SW1E 6AT****England**

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NOTE → → The undersigned hereby authorize(s) Manelli, Denison & Selter PLLC, of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

INVENTOR(S)**DATE SIGNED****WITNESSES**

1) Julian Mark Reed
Name: Julian Mark Reed

20 July 2001

C. M. Whitehead

2) Sivasubramaniam Kathirgamathamby Sathianathan
Name: Sivasubramaniam Kathirgamathamby Sathianathan

20 July 2001

J. C. Howell

3) _____
Name: _____

4) _____
Name: _____

5) _____
Name: _____

RECORDED: 03/25/2002

PATENT
REEL: 012728 FRAME: 0169