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PATENT APPLICATIONS & PATENTS ONLY



102033712

TO THE HONORABLE COMMISSIONER OF PATENTS AND

SIR: PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF.

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

1. Sivasubramaniam Kathirgamathamby Sathianathan
2. Stephen John Booth

3. Ian Graham Martindale
4. *03/18/02*

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

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

NAME: Rolls-Royce plc, a British Company

ADDRESS: 65 Buckingham Gate, London SW1E 6AT, England

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
- SECURITY MERGER OTHER:

EXEC. DATE: 2/12/02

4. EXECUTION DATE(S) ON THE DECLARATION IF FILED HEREWITH: (**NOTE**: IF DATES $\uparrow\downarrow$ 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
	84579				

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

W. Warren Taltavull
Manelli, Denison & Selter, PLLC
Seventh Floor
2000 M Street, N.W.
Washington, D.C. 20036

6. NUMBER INVOLVED:

APPLNS 1 + PATS: = TOTAL 1

7. AMOUNT OF FEE ENCLOSED: (Code 581)

ABOVE TOTAL X \$40 = \$ 40

5.5 ATTY DKT:WWT/

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

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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)

2

Attorney: **W. Warren Taltavull**

Reg. No. **25647**

Atty/Sec: **TEL: (202) 261-1047**

Date: **March 18, 2002**

Fax: **(202) 887-0336**

10/098590
03/18/02

Please return signed/recorded to:

USA Patent Appln.
Sole or Joint

For Inventions made outside USA
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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

NONPROVISIONAL

ASSIGNMENT OF NONPROVISIONAL APPLICATION

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) Sivasubramaniam Kathirgamathamby Sathianathan	(4)
	(2) Stephen John Booth	(5)
	(3) Ian Graham Martindale	<input type="checkbox"/> 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:

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

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

(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 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.

	<u>INVENTOR(S)</u>	<u>DATE SIGNED</u>	<u>WITNESSES</u>
1)	<u>Sivasubramaniam Kathirgamathamby Sathianathan</u>	<u>18 Feb 2002</u>	<u>Caroline McLachlan</u>
2)	<u>Stephen John Booth</u>	<u>18 Feb 2002</u>	<u>Pete Bayford</u>
3)	<u>Ian Graham Martindale</u>	<u>18 Feb 2002</u>	<u>Garth Howell</u>
4)	_____	_____	_____
5)	_____	_____	_____

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