

RECORDATION FOR PATENT APPLICATION



TO THE HONORABLE CLERK

101927000

ADDITIONAL TRADEMARKS:

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

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

- 1. NORRIS, Jennifer M.
- 2. KNOTT, David S.
- 3. JONES, Adrian M.

- 4. MIDGELOW, David R.
- 5. HALL, Robert M.

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

12/20/2001 STEUMEL1 00000011 10020315

03 FC:581

40.00 OP

MKT
12/18/01

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: 11/14/01 & 11/15/01 & 11/19/01 & 11/10/01

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
10020315	84563				

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

84563	wwt	84563
MATTER NO.	CLIENT REF.	MATTER NO.
	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.

W. Warren Taltavull
 Signature

10. Total number of pages including this cover sheet, attachments and document (do not file dup. Cover sheet)	4
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Attorney: W. Warren Taltavull
 Reg. No. 25647
 Atty/Sec: _____ TEL: (202) 261-1047

Date: December 18, 2001
 Fax: (202) 887-0336

JP675 U.S. PTO
 10/020315
 12/18/01

Please return signed/recorded to:

USA Patent Appl.
Sole or Joint

For 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) Jennifer Margaret Norris	(4) David Robert Midgelew
(2) David Sydney Knott	(5) Robert Malcolm Hall
(3) Adrian Mark Jones	<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:

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 TURBOMACHINE BLADE

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) Name: Jennifer Margaret Norris

14TH NOV 2001

[Signature]

2) Name: David Sydney Knott

15/11/2001

[Signature]

3) Name: Adrian Mark Jones

19 NOV 2001

[Signature]

4) Name: David Robert Midgelew

5) Name: Robert Malcolm Hall

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

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Table with 2 columns and 3 rows of inventor names: (1) Jennifer Margaret Norris, (2) David Sydney Knott, (3) Adrian Mark Jones, (4) David Robert Middelow, (5) Robert Malcolm Hall.

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2) Name: David Sydney Knott

3) Name: Adrian Mark Jones

4) Name: David Robert Middelow

5) Name: Robert Malcolm Hall

10 NOV 01

J. Hughes

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

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3) Name: Adrian Mark Jones

4) Name: David Robert Middelow

5) Name: Robert Malcolm Hall

10th Nov 2001

to [Signature]

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