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FORM COVER SHEET  
ITS ONLY

U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Allan J. Volponi

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

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other \_\_\_\_\_

Execution Date: April 17, 2002

2. Name and address of receiving party(ies)

Name: UNITED TECHNOLOGIES CORPORATION

Internal Address: United Technologies Building

Hartford, CT 06101

Street Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

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

JCS97 U.S. PTO  
10/132108

04/23/02

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

10132108

If this document is being filed together with a new application, the execution date of the application is: 4/17/02

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Name: Barry L. Kelmacher

Internal Address: BACHMAN & LaPOINTE, P.C.

900 Chapel Street, Suite 1201

New Haven, CT 06510-2802

Street Address: \_\_\_\_\_

04/29/2002 CNGUYEN 00000013 10132108

02 FC:581 40.00 OP

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

6. Total number of applications and patents involved:  1

7. Total fee (37 CFR 3.41).....\$ 40.00

Enclosed

Authorized to be charged to deposit account

8. Deposit account number:

02-0184

(Attach duplicate copy of this page if paying by deposit account)

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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.

Barry L. Kelmacher

Name of Person Signing

Signature

April 23, 2002

Date

Total number of pages including cover sheet, attachments, and documents:  4

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

PATENT  
REEL: 012835 FRAME: 0995

## ASSIGNMENT

WHEREAS, I, ALLAN J. VOLPONI, of ✓ 175 West Mountain Rd.  
West Simsbury, CT 06092, Residence Address have invented certain improvements  
in a HYBRID GAS TURBINE ENGINE STATE VARIABLE MODEL, identified  
as Attorney Docket No. 02-254, and described in a patent  
application executed by the undersigned on the dates set after  
the signatures hereto, being owners of all right, title and  
interest in and to said application and in and to any invention  
described therein, free from all prior assignments, agreements,  
licenses, mortgages, or other encumbrances whatsoever, and having  
full right to convey the entire interest both legal and equitable  
herein assigned; and

WHEREAS, UNITED TECHNOLOGIES CORPORATION, of Hartford,  
Connecticut, a corporation of the State of Delaware (assignee) is  
desirous of acquiring the entire right, title and interest in and  
to said invention or inventions and any and all patents to be  
obtained therefor;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and  
other good and valuable consideration, the receipt of which is  
hereby acknowledged by the undersigned, the undersigned does  
hereby sell, assign, transfer and set over unto said assignee,  
its successors and assigns, the entire right, title and interest  
in and to said invention or inventions, as described in the  
aforesaid application, in any form or embodiment thereof, and in  
and to the aforesaid application; and in and to any application  
filed in any foreign country based thereon, including the right

to file said foreign applications under the provisions of the International Convention; also the entire right, title and interest in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon said invention or inventions and any divisional, continuation, continuation-in-part or substitute applications which may be filed upon said invention or inventions in this or any foreign country; and the undersigned hereby authorizes and requests the issuing authority to issue any and all patents on said application or applications to said assignee or its successors and assigns.

The undersigned further agrees, without any further payment or compensation by said assignee or its successors and assigns, to communicate to said assignee, its representatives or agents or its successors and assigns, any facts relating to said invention or inventions including evidence for interference purposes or for other legal proceedings whenever requested; testify in any interference or other legal proceedings, whenever requested; execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and generally do everything possible to aid said assignee, its successors or assigns and nominees to obtain and enforce proper patent protection for said invention or inventions in this or any foreign country.

IN TESTIMONY WHEREOF, the undersigned have-hereunto set their hand and seal on the date after their signature.

(L.S.) ✓ *Allan J. Volpore*  
Allan J. Volpore

✓ 4/17/02  
Date