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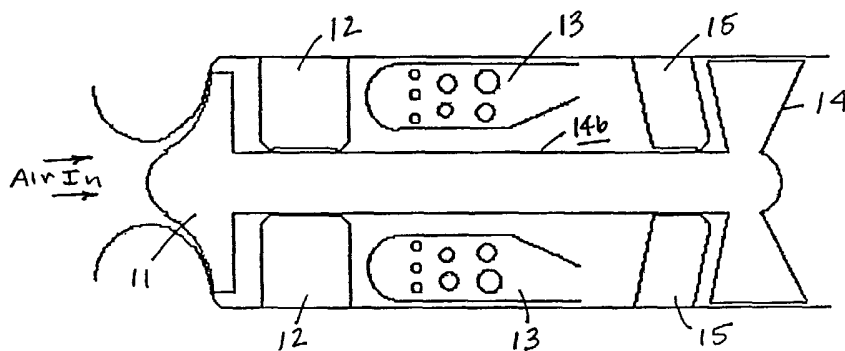
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(54) Title: VORTEX TURBINE ENGINE



(57) Abstract: A turbine engine having greater efficiency and fewer parts in which an engine housing defines a longitudinal axis, and a centrifugal compressor rotor is mounted to a shaft in the housing along the longitudinal axis for creating a vortex flow of air flowing through the housing that defines a low pressure area along the longitudinal axis. At least one fuel inlet is in the engine housing for inserting fuel into the vortex flow of air and creating a flame front along the low pressure area to heat the vortex flow of air and a turbine rotor mounted to the shaft for receiving the vortex flow of heated air and spinning.

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# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/21732

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : F02G 3/00

US CL : 60/737

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 60/737,804,805

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

NONE

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|------------------------------------------------------------------------------------|-----------------------|
| X          | US 3,126,703 (OPRECHT) 31 MARCH 1964; ENTIRE DOCUMENT                              | 1-7                   |



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