

Title (en)
Turbine

Title (de)
Turbine

Title (fr)
Turbine

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EP 0625629 B1 19960828 (EN)

Application
EP 93201449 A 19930521

Priority
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Abstract (en)
[origin: EP0625629A1] A turbine consisting of a central rotor (20) connected with a shaft (10) and a plurality of annular stators (30,50,70) and annular rotors (40,60). The central rotor (20) is formed as a hollow frustum of right circular cone so that it has an inner side and an outer side wherein a number of curved channels (204,205) are formed. The shaft (10) is axially inserted through the central rotor (20) and rotatably supported by means of at least one thrust bearing. Each annular stator or rotor has an outer side and an inner side wherein a plurality of curved channels (204,205) are formed. The central rotor (20) is sealably mounted in the annular stators or rotors. Driving gas flows through the curved channels (204,205) formed in the central rotor (20) and the curved channels (402,602) formed in the annular stators or rotors so that the central rotor rotates in an opposite direction relative to the annular stators or rotors.

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