

Title (en)

FUEL INJECTION SYSTEM FOR THE RADIAL OR SLINGER COMBUSTION CHAMBER IN A SMALL GAS TURBINE

Title (de)

BRENNSTOFFEINSPRITZSYSTEM FÜR EINE RADIAL- ODER SLINGER-BRENNKAMMER EINER KLEINGASTURBINE

Title (fr)

SYSTEME D'INJECTION DE CARBURANT POUR UNE CHAMBRE DE COMBUSTION RADIALE D'UNE PETITE TURBINE A GAZ

Publication

**EP 1121561 B1 20031022 (DE)**

Application

**EP 99946177 A 19990915**

Priority

- DE 19846976 A 19981012
- EP 9906838 W 19990915

Abstract (en)

[origin: DE19846976A1] The fuel injection system has fuel passing through a delivery tube (12) provided in the running wheel (2a) of the radial or diagonal compressor into a crossing part (4b) of the rotor shaft located in the area of the combustion chamber (1) close to the compressor, then being fed into delivery holes of the combustion chamber running radially. The turbine has a radial or diagonal compressor (2), with which is connected a turbine part (5) via the rotor shaft (4 running axially. In the crossing part, displaced to the delivery holes, are venting holes (9) for discharge of combustion chamber leak air (6a) into the hollow inner space (4a) of the rotor shaft.

IPC 1-7

**F23R 3/38**

IPC 8 full level

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CPC (source: EP)

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