Title (en)

Radial turbine for a turbocharger

Title (de)

Radialturbine für einen Turbolader

Title (fr)

Turbine radiale pour une turbosoufflante

Publication

EP 0814235 B1 20000301 (DE)

Application

EP 97106344 A 19970417

Priority

DE 19623558 A 19960613

Abstract (en)

[origin: DE19623558C1] The radial turbine is fitted to a turbocharger on a internal combustion engine, and has adjustable guide equipment with at least two separate gas supply channels. The latter can be moved to two different positions, using a guide ring which is formed by one of two control rings (S1,S2) inside a guide cylinder (F) which encloses the turbine blades. The guide equipment consists of the guide ring with the two control rings, and gas supply channels of different cross sections are formed between them by a separating wall (17). The wall has an end area which is larger than the annular channel area of the guide cylinder in the turbine casing (7). The first control ring (S1) has an annular seal (16) between the channel (5b) and the casing, so that a pressure difference from the other annular channel (5a) is created.

IPC 1-7

F01D 17/16

IPC 8 full level

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CPC (source: EP)

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