

Title (en)

Exhaust gas turbocharger for a combustion engine

Title (de)

Abgasturbolader für eine Verbrennungskraftmaschine

Title (fr)

Turbosoufflante de gaz d'échappement pour un moteur à combustion interne

Publication

EP 2574795 B1 20191127 (DE)

Application

EP 12179994 A 20120810

Priority

DE 102011053954 A 20110927

Abstract (en)

[origin: EP2574795A2] The turbocharger has a compressor (12) which comprises a compressor wheel (14) arranged with a diffuser in a compressor housing (30). A turbine (10) comprises a turbine wheel in a turbine housing (18). A bearing housing (24) is provided, in which a shaft is mounted. The shaft connects the compressor wheel with the turbine wheel. A rear wall of the diffuser is cooled with cooling agent. The rear wall is directed to the bearing housing. A closed annular cooling agent channel is formed on the rear wall. The cooling agent channel extends around the entire circumference of the diffuser.

IPC 8 full level

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CPC (source: EP)

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