

Title (en)
Diffuser for compressor

Title (de)
Verdichterdiffusor

Title (fr)
Diffuseur pour compresseur

Publication
EP 1574667 B1 20130717 (DE)

Application
EP 04004895 A 20040302

Priority
EP 04004895 A 20040302

Abstract (en)
[origin: EP1574667A1] The input region (4) of the diffuser (1) has a connection piece (3) immediately following guide blades (8) at the turbine exit. The diffuser has a modified circular cross-section (7) with an internal tapered rib (5). The thickest part (6) of the rib is in the narrowest part of the diffuser. The diffuser housing (2) gradually increases in inside diameter with distance from the turbine outlet.

IPC 8 full level
F01D 5/14 (2006.01); **F01D 9/02** (2006.01); **F01D 25/30** (2006.01); **F04D 29/54** (2006.01)

CPC (source: EP)
F04D 29/541 (2013.01)

Cited by
JP2012511115A; WO2010063583A1; DE102012215412A1; CN115962154A; EP2194231A1; EP2455585A1; CN102536912A; RU2485358C2; RU2507421C2; US9366148B2; US8721272B2; US8721273B2

Designated contracting state (EPC)
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