

Title (en)
Exhaust gas turbocharger

Title (de)
Abgasturbolader

Title (fr)
Turbocompresseur à gaz d'échappement

Publication
EP 1795711 A2 20070613 (DE)

Application
EP 07000729 A 20050504

Priority
• EP 05009768 A 20050504
• DE 102004025049 A 20040518

Abstract (en)
The turbocharger has a shaft (2) connecting a turbine wheel (3) that is arranged in a turbine housing (6), and a compressor wheel (4). A bearing with a bearing housing (5) is arranged between the wheels. The bearing housing and the turbine housing are coupled with each other by flanges (12, 13). The flanges have an insulation layer and insulation bases, where thermal conductivity of the layer and the bases are smaller than the thermal conductivity of materials of the flanges. The insulation layer is made of metal e.g. nickel-chromium alloy or a high quality steel alloy.

IPC 8 full level
F01D 25/14 (2006.01); **F02B 39/00** (2006.01); **F01D 5/02** (2006.01); **F01D 25/00** (2006.01); **F01D 25/24** (2006.01)

CPC (source: EP US)
F01D 25/145 (2013.01 - EP US); **F01D 25/243** (2013.01 - EP US); **F05D 2220/40** (2013.01 - EP US); **F05D 2300/5024** (2013.01 - EP US)

Cited by
CN103946514A; EP2592230A1

Designated contracting state (EPC)
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