

Title (en)
Turbocharger

Title (de)
Abgasturbolader

Title (fr)
Turbosoufflante

Publication
EP 1201881 A3 20040211 (DE)

Application
EP 01890300 A 20011025

Priority
• AT 18462000 A 20001031
• AT 18452000 A 20001031
• AT 19892000 A 20001127

Abstract (en)
[origin: EP1201881A2] The exhaust gas turbo charger, for an internal combustion motor, has a turbine with a turbine wheel (4), a spiral housing and a guide (5) to direct the exhaust gas flow to the wheel. The guide system has at least two groups of jets (11,12) aligned directly at the outer periphery of the turbine wheel. The jets (11) of the first group are positioned at equal angular intervals around the wheel, with further controlled jets (12) between them. The spiral housing is in two flow paths (9,10), with a flow connection between them and the jets, to link the paths separately or together to the motor exhaust.

IPC 1-7
F01D 17/14; **F01D 17/16**; **F02C 6/12**

IPC 8 full level
F01D 17/14 (2006.01); **F01D 17/16** (2006.01)

CPC (source: EP)
F01D 17/14 (2013.01); **F01D 17/146** (2013.01); **F01D 17/165** (2013.01); **F05D 2220/40** (2013.01)

Citation (search report)
• [XY] US 4927325 A 19900522 - YANO SHUNJI [JP]
• [Y] US 5560208 A 19961001 - HALIMI EDWARD M [US], et al
• [Y] DE 19543190 A1 19970528 - DAIMLER BENZ AG [DE]
• [DY] DE 4242494 C1 19930909

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Designated contracting state (EPC)
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