

Title (en)
RADIAL TURBO-BLOWER

Title (de)
TURBORADIALGEBLÄSE

Title (fr)
TURBOSOUFFLANTE RADIALE

Publication
EP 1250531 A1 20021023 (DE)

Application
EP 01901200 A 20010124

Priority
• DE 10003153 A 20000126
• EP 0100758 W 20010124

Abstract (en)
[origin: US2003118461A1] The radial turbo-blower comprises a stator (35) that is housed in a stator housing (10) and a rotor (13) that rotates within a pump housing (11). The rotor (13) comprises a cavity (23) with a bearing arrangement (26) that is received by a protruding bearing pin (25). The pump room (12) is separated from the stator room (22) by a thin partition wall (21). Thereby, an atmospheric pressure is maintained in the stator room (22). The blower consists of few components and has a short structural length. It is substantially maintenance-free and the rotor area is protected from being contaminated by oil.

IPC 1-7
F04D 25/06; F04D 29/06; F04D 29/04

IPC 8 full level
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CPC (source: EP KR US)
F04D 25/06 (2013.01 - KR); **F04D 25/0653** (2013.01 - EP US); **F04D 29/059** (2013.01 - EP US); **F04D 29/063** (2013.01 - EP US)

Citation (search report)
See references of WO 0155598A1

Cited by
US11757330B2; US11437900B2

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US 2003118461 A1 20030626; **US 6682324 B2 20040127**; AT E280328 T1 20041115; CN 1178005 C 20041201; CN 1440493 A 20030903; DE 10003153 A1 20010802; DE 50104205 D1 20041125; EP 1250531 A1 20021023; EP 1250531 B1 20041020; JP 2003524730 A 20030819; KR 100635692 B1 20061017; KR 20030017466 A 20030303; WO 0155598 A1 20010802

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