

Title (en)
Fan with axial blades

Title (de)
Lüfter mit Axialschlaufen

Title (fr)
Ventilateur à pales axiales

Publication
EP 1219837 B1 20060809 (DE)

Application
EP 01125014 A 20011020

Priority
DE 10100064 A 20010102

Abstract (en)
[origin: EP1219837A2] The fan with axial blades, particularly for a road vehicle radiator, has axial blades (2) fixed to a nave (3), with air guide components arranged in the nave area and on the suction side of the axial blades. The air guide components are formed as fin-type stabilizers (5), with their extent(s) in a peripheral direction being in the range of 0.01 t is less than or equal to s is less than or equal to 0.40 t, where t is the blade distribution. The length of the stabilizers corresponds approximately to the length of the axial blades. The front edge of the stabilizers is displaced in relation to the front edge of the blades in the air flow direction.

IPC 8 full level
F04D 29/32 (2006.01); **F04D 25/02** (2006.01); **F04D 29/38** (2006.01)

CPC (source: EP US)
F04D 29/329 (2013.01 - EP US); **F04D 29/384** (2013.01 - EP US)

Cited by
DE102010042325A1; CN111927825A; CN104114857A; CN103270311A; RU2608800C2; US7585157B2; DE102014204043A1; WO2013060358A1; WO2007065434A1; WO2015132077A1; WO2012072779A1; WO2005035978A1; DE102020207914A1; WO2021259429A1; EP2333346B1; WO2012049220A1; US9447791B2

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