

Title (en)
Radial fan and nozzle for a radial fan

Title (de)
Radialventilator und Düse für einen Radialventilator

Title (fr)
Ventilateur radial et buse pour ventilateur radial

Publication
EP 1122444 B1 20050323 (DE)

Application
EP 01100089 A 20010111

Priority
DE 20001746 U 20000201

Abstract (en)
[origin: EP1122444A2] The radial ventilator fan has a funnel shaped air inlet nozzle (1) for the entry of axial primary air flow (P) fed to a free blowing fan rotor (2) for radial discharge. The wall of the nozzle has a frusto-conical inflow section (3a) leading to a cylindrical central flow duct (4) on the suction side of the fan. A gap (5) for secondary air inflow is provided between the rotor and the inlet duct wall. An annular formation (6) is provided in the inlet so that the nozzle forms a boundary layer of the primary air flow causing an air flow mixing.

IPC 1-7
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IPC 8 full level
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CPC (source: EP)
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Cited by
EP1479917A1; DE102016118856A1; DE202016105522U1; EP3289226B1

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