

Title (en)

Radial fan casing

Title (de)

Radialgebläsegehäuse

Title (fr)

Boîtier pour soufflante radiale

Publication

**EP 2177769 B1 20200101 (DE)**

Application

**EP 09013061 A 20091015**

Priority

DE 102008051362 A 20081015

Abstract (en)

[origin: EP2177769A2] The housing (2) has a spiral-shaped accommodating recess (5) for accommodating a radial fan wheel, and an air conductive guide (4) for guiding air flow from the recess to an air outlet (9). The guide sustains a contour (11) of the recess on an inner side (14) of the guide, where the inner side faces the recess. The guide has an inclined leading edge (13) with a blade angle (alpha) that amounts to 63 degrees to 67 degrees, where the leading edge linearly runs at the constant blade angle.

IPC 8 full level

**F04D 17/16** (2006.01); **F04D 29/42** (2006.01); **F04D 29/66** (2006.01)

CPC (source: EP)

**F04D 17/16** (2013.01); **F04D 29/422** (2013.01); **F04D 29/4226** (2013.01); **F04D 29/667** (2013.01)

Cited by

EP4317700A3; JP2019529226A

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 2177769 A2 20100421**; **EP 2177769 A3 20150527**; **EP 2177769 B1 20200101**; DE 102008051362 A1 20100422

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