

Title (en)

Axial ventilator, in particular for a motor vehicle

Title (de)

Axiallüfter, insbesondere für ein Kraftfahrzeug

Title (fr)

Ventilateur axial, en particulier pour un véhicule automobile

Publication

EP 2236837 A3 20141001 (DE)

Application

EP 10157118 A 20100319

Priority

DE 102009015104 A 20090331

Abstract (en)

[origin: EP2236837A2] The axial flow fan (7) has fan blades having axial depths from inflow edge to outflow edge. The outflow edges of the fan blades in the axial direction project beyond the trailing edge of the annular surface and form a blade overhang. Flow guides (11) are arranged radially outside the fan blades and in an axial region of the blade overhang.

IPC 8 full level

F04D 29/16 (2006.01); **F04D 29/38** (2006.01); **F04D 29/44** (2006.01); **F04D 29/52** (2006.01); **F04D 29/68** (2006.01)

CPC (source: EP US)

F04D 29/164 (2013.01 - EP US); **F04D 29/384** (2013.01 - EP US); **F04D 29/444** (2013.01 - EP US); **F04D 29/526** (2013.01 - EP US); **F04D 29/681** (2013.01 - EP US); **F05D 2250/52** (2013.01 - EP US)

Citation (search report)

- [X] JP H07217434 A 19950815 - TOYO RADIATOR CO LTD
- [X] DE 833162 C 19520303 - WILHELM PFEIFFER
- [X] DE 4137703 C1 19921210
- [A] EP 1544472 A2 20050622 - RUCK VENTILATOREN GMBH [DE]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

AL BA ME RS

DOCDB simple family (publication)

EP 2236837 A2 20101006; **EP 2236837 A3 20141001**; **EP 2236837 B1 20170920**; DE 102009015104 A1 20101014; US 2010247351 A1 20100930; US 8459967 B2 20130611

DOCDB simple family (application)

EP 10157118 A 20100319; DE 102009015104 A 20090331; US 75151110 A 20100331