

Title (en)
MOTOR VEHICLE FAN OF REDUCED AXIAL SIZE

Title (de)
KRAFTFAHRZEUGGEBLÄSE MIT REDUZIERTER ACHSENGRÖSSE

Title (fr)
VENTILATEUR POUR AUTOMOBILE A ENCOMBREMENT AXIAL REDUIT

Publication
EP 2839165 B1 20200819 (FR)

Application
EP 13711432 A 20130322

Priority
• FR 1253462 A 20120416
• EP 2013056141 W 20130322

Abstract (en)
[origin: WO2013156254A1] The invention relates to a fan for a motor vehicle, comprising an impeller formed by multiple blades (3) extending radially from a hub (4), and an impeller supporting base, said impeller being rotated about an axis of rotation by an actuation means and being positioned inside a hollow cylindrical cavity having the same axis and formed by an axial wall (25) attached to the base. The base comprises an upstream front wall (22) extending externally along a radial plane in relation to the axis and an outer wall (23) extending axially from the front wall. The fan is characterised in that the front wall (22) includes a protrusion (24) that borders the impeller, said protrusion extending axially upward in relation to the plane of the front wall and the upstream end thereof being located further upstream than the upstream end of the blades (3) of the impeller.

IPC 8 full level
F04D 29/16 (2006.01)

CPC (source: CN EP US)
F01P 1/00 (2013.01 - US); **F04D 19/002** (2013.01 - US); **F04D 29/164** (2013.01 - CN EP US); **F01P 5/02** (2013.01 - CN);
F04D 19/002 (2013.01 - CN)

Designated contracting state (EPC)
AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)
FR 2989423 A1 20131018; FR 2989423 B1 20150306; CN 104302925 A 20150121; CN 104302925 B 20181221; EP 2839165 A1 20150225; EP 2839165 B1 20200819; US 2015071776 A1 20150312; US 9784277 B2 20171010; WO 2013156254 A1 20131024

DOCDB simple family (application)
FR 1253462 A 20120416; CN 201380025450 A 20130322; EP 13711432 A 20130322; EP 2013056141 W 20130322;
US 201314394942 A 20130322