

Title (en)
HOUSING FOR AN AXIAL VENTILATOR

Title (de)
GEHÄUSE FÜR EINEN AXIALVENTILATOR

Title (fr)
BOÎTIER POUR UN VENTILATEUR AXIAL

Publication
EP 2904270 A1 20150812 (DE)

Application
EP 13717754 A 20130412

Priority
• EP 12187622 A 20121008
• EP 2013057667 W 20130412
• EP 13717754 A 20130412

Abstract (en)
[origin: EP2716915A1] The housing has an outer diffuser (6) formed from two partial ring sections, which are connected at an outer circumferential surface by a mechanical connecting unit. A holder is formed from multiple bars (14), which are fastened at an inner circumferential surface of the outer diffuser with an end and circumferentially spaced at a distance from each other. The bars are fastened in an edge region of an inflow opening (7). The bars are mounted at a motor flange (16) of a motor housing (17) of an electric motor (9) with another end. An inner diffuser (26) is arranged within the outer diffuser. The outer diffuser is made of plastic.

IPC 8 full level
F04D 19/00 (2006.01); **F04D 25/08** (2006.01); **F04D 29/54** (2006.01); **F04D 29/64** (2006.01); **F04D 29/66** (2006.01); **F04D 29/70** (2006.01); **F24F 7/007** (2006.01); **F24F 13/02** (2006.01); **F24F 13/20** (2006.01)

CPC (source: CN EP US)
F04D 19/002 (2013.01 - CN EP US); **F04D 25/08** (2013.01 - CN EP US); **F04D 29/325** (2013.01 - US); **F04D 29/545** (2013.01 - CN EP US); **F04D 29/646** (2013.01 - CN EP US); **F04D 29/663** (2013.01 - CN EP US); **F04D 29/703** (2013.01 - EP US); **F24F 7/007** (2013.01 - CN EP US); **F24F 13/20** (2013.01 - CN EP US); **F05D 2250/294** (2013.01 - EP US)

Citation (search report)
See references of WO 2014056630A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2716915 A1 20140409; EP 2716915 B1 20150318; CN 104755764 A 20150701; CN 104755764 B 20170308; EP 2904270 A1 20150812; EP 2904270 B1 20190227; ES 2537709 T3 20150611; HU E026127 T2 20160530; PT 2716915 E 20150707; US 10107306 B2 20181023; US 2015267716 A1 20150924; WO 2014056630 A1 20140417

DOCDB simple family (application)
EP 12187622 A 20121008; CN 201380052638 A 20130412; EP 13717754 A 20130412; EP 2013057667 W 20130412; ES 12187622 T 20121008; HU E12187622 A 20121008; PT 12187622 T 20121008; US 201314433913 A 20130412