

Title (en)
Air guiding element for an axial ventilator

Title (de)
Luftleitelement für einen Axialventilator

Title (fr)
Élément de guidage d'air pour un ventilateur axial

Publication
EP 2314882 B1 20120314 (DE)

Application
EP 10187222 A 20101012

Priority
DE 202009014212 U 20091021

Abstract (en)
[origin: EP2314882A1] The element (1) has a single-piece molded part (2) with multiple air guide vanes (4) that are distributed in circumferential direction about a longitudinal axis (6). A protective grid (8) is integrally connected with the air guide vanes and comprises concentric grid webs (18) that are connected with the air guide vanes. The grid webs comprise web sections, where an end of the sections is connected with inflow-side blade edges of the air guide vanes. Another end is connected with outflow-side blade edges of the air guide vanes in the circumferential direction.

IPC 8 full level
F04D 29/52 (2006.01); **F04D 29/54** (2006.01); **F04D 29/70** (2006.01)

CPC (source: EP)
F04D 29/526 (2013.01); **F04D 29/544** (2013.01); **F04D 29/703** (2013.01)

Cited by
US12006947B2; US11835062B2; US11067309B2; WO2020099033A1; WO2020099034A1

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)
DE 202009014212 U1 20110303; AT E549518 T1 20120315; DK 2314882 T3 20120709; EP 2314882 A1 20110427; EP 2314882 B1 20120314; ES 2382425 T3 20120608; PT 2314882 E 20120328

DOCDB simple family (application)
DE 202009014212 U 20091021; AT 10187222 T 20101012; DK 10187222 T 20101012; EP 10187222 A 20101012; ES 10187222 T 20101012; PT 10187222 T 20101012