

Title (en)

Ventilator for a combustion engine

Title (de)

Lüfter für eine Brennkraftmaschine

Title (fr)

Ventilateur pour moteur à combustion interne

Publication

EP 2333346 A3 20130130 (DE)

Application

EP 10192447 A 20101124

Priority

DE 102009055609 A 20091125

Abstract (en)

[origin: EP2333346A2] The ventilator (1) has a fan wheel (2) that is propelled from an electric motor arranged in a hub (4), which is formed with multiple fan blades (3) that are arranged at the hub. Multiple recesses are provided in a hub casing surface (6). The recesses divide the hub casing surface in multiple elements (12).

IPC 8 full level

F04D 29/32 (2006.01); **F04D 29/58** (2006.01)

CPC (source: EP)

F04D 25/082 (2013.01); **F04D 29/329** (2013.01); **F04D 29/5806** (2013.01)

Citation (search report)

- [X] DE 19929978 A1 20010104 - BEHR GMBH & CO [DE]
- [X] WO 2008146154 A2 20081204 - SPAL AUTOMOTIVE SRL [IT], et al

Cited by

IT202100016532A1; EP3751144A4; FR3140667A1; US11873827B2

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 2333346 A2 20110615; EP 2333346 A3 20130130; EP 2333346 B1 20170215; DE 102009055609 A1 20110526

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