

Title (en)
Fan arrangement

Title (de)
Lüfteranordnung

Title (fr)
Dispositif ventilateur

Publication
EP 2112381 A3 20140430 (DE)

Application
EP 09003504 A 20090311

Priority
DE 202008005917 U 20080421

Abstract (en)
[origin: US2009263242A1] A miniature fan arrangement has a fan (10) including an electronically commutated drive motor (21), a first circuit board (52) associated with said motor, and a fan housing (30). The fan also has a mounting part arranged radially outside the fan housing (30), and has a membrane (32), made of an elastic material, that elastically connects the fan housing (30) and the mounting part (34) to one another. A second circuit board (54) is arranged between the mounting part (34) and the fan housing (30) and is electrically connected to the first circuit board (52). The structure provides space for additional motor control components, particularly in small-sized motors.

IPC 8 full level
F04D 25/06 (2006.01); **F04D 29/60** (2006.01); **F04D 29/64** (2006.01); **F04D 29/66** (2006.01)

CPC (source: EP US)
F04D 25/0633 (2013.01 - EP US); **F04D 25/0646** (2013.01 - EP US); **F04D 25/068** (2013.01 - EP US); **F04D 25/0693** (2013.01 - EP US); **F04D 29/601** (2013.01 - EP US); **F04D 29/668** (2013.01 - EP US)

Citation (search report)

- [A] DE 29914693 U1 20000113 - PAPST MOTOREN GMBH & CO KG [DE]
- [YA] EP 1498613 A2 20050119 - PAPST MOTOREN GMBH & CO KG [DE]
- [Y] DE 10000400 A1 20010315 - SUNONWEALTH ELECTR MACH IND CO [TW]

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 TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
DE 202009004586 U1 20090910; EP 2112381 A2 20091028; EP 2112381 A3 20140430; US 2009263242 A1 20091022; US 8371830 B2 20130212

DOCDB simple family (application)
DE 202009004586 U 20090403; EP 09003504 A 20090311; US 42455409 A 20090416