

Title (en)  
COMPACT FAN

Title (de)  
KOMPAKTLÜFTER

Title (fr)  
VENTILATEUR COMPACT

Publication  
**EP 2242930 B1 20120307 (DE)**

Application  
**EP 09712411 A 20090130**

Priority  
• EP 2009051069 W 20090130  
• DE 202008002356 U 20080219

Abstract (en)  
[origin: WO2009103606A1] The present invention relates to a compact fan, comprising a fan wheel, in particular a radial fan wheel (1), which is fastened on a rotor of an external rotor motor (82). The fan wheel (1) is supported between a front plate (8) having an air inlet opening (9), which is central in particular, and a motor mount (11). The front plate (8) and the motor mount (11) are connected to one another via multiple spacers (12), which are disposed around the circumference. The front plate (8) and the motor mount (11) are implemented as plastic or metal spray parts. The spacers (12) are connected as plastic or metal spray parts entirely or partially in one piece to the front plate (8) and/or the motor mount (11).

IPC 8 full level  
**F04D 25/06** (2006.01); **F04D 29/42** (2006.01); **F04D 29/44** (2006.01); **F04D 29/62** (2006.01)

CPC (source: EP US)  
**F04D 25/0613** (2013.01 - EP US); **F04D 29/023** (2013.01 - EP US); **F04D 29/624** (2013.01 - US); **F04D 29/626** (2013.01 - EP US); **F04D 29/703** (2013.01 - EP US); **F05D 2230/53** (2013.01 - EP US); **F05D 2300/43** (2013.01 - EP US)

Citation (examination)  
DE 2354126 A1 19750430 - PHONOTHERM LAERM UND ERSCHUETT

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

DOCDB simple family (publication)  
**DE 202008002356 U1 20090625**; AT E548568 T1 20120315; CN 101946092 A 20110112; CN 101946092 B 20150701; DE 102008056459 A1 20090820; EP 2242930 A1 20101027; EP 2242930 B1 20120307; ES 2382438 T3 20120608; ES 2382438 T4 20121010; US 2010329857 A1 20101230; US 2011200438 A1 20110818; US 8672615 B2 20140318; US 8992175 B2 20150331; WO 2009103606 A1 20090827

DOCDB simple family (application)  
**DE 202008002356 U 20080219**; AT 09712411 T 20090130; CN 200980105783 A 20090130; DE 102008056459 A 20081107; EP 09712411 A 20090130; EP 2009051069 W 20090130; ES 09712411 T 20090130; US 200913124765 A 20090929; US 91840509 A 20090130