

Title (en)
DIAGONAL FAN

Title (de)
DIAGONALLÜFTER

Title (fr)
VENTILATEUR DIAGONAL

Publication
EP 2329149 A1 20110608 (DE)

Application
EP 09783559 A 20090929

Priority
• EP 2009062627 W 20090929
• DE 102008056459 A 20081107

Abstract (en)
[origin: WO2010052074A1] The present invention relates to a diagonal fan, comprising a diagonal fan impeller (1) which is fastened to a rotor (2) of an external rotor motor (3) and which is arranged between a front plate (5), which has an in particular central inflow opening (6), and a motor bracket (4). The motor bracket (4) is connected to the front plate (5) by means of a plurality of peripherally arranged spacers (21). Here, the front plate (5) and the motor bracket (4) are formed as plastic or metal injection moulded parts. The spacers (21) are formed, as plastic and/or metal injection moulded parts, in one piece with the front plate (5) or with the motor bracket (4).

IPC 8 full level
F04D 17/06 (2006.01); **F04D 25/06** (2006.01); **F04D 25/08** (2006.01); **F04D 29/02** (2006.01)

CPC (source: EP)
F04D 17/06 (2013.01); **F04D 25/0613** (2013.01); **F04D 25/08** (2013.01); **F04D 29/023** (2013.01); **F05D 2230/53** (2013.01); **F05D 2300/10** (2013.01); **F05D 2300/43** (2013.01)

Citation (search report)
See references of WO 2010052074A1

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 SM TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
WO 2010052074 A1 20100514; CN 102197226 A 20110921; CN 102197226 B 20150812; EP 2329149 A1 20110608; EP 2329149 B1 20140507; ES 2472840 T3 20140703

DOCDB simple family (application)
EP 2009062627 W 20090929; CN 200980142685 A 20090929; EP 09783559 A 20090929; ES 09783559 T 20090929