

Title (en)
FAN COMPRISING A FAN WHEEL

Title (de)
LÜFTER MIT EINEM LÜFTERRAD

Title (fr)
VENTILATEUR COMPRENANT UNE ROUE

Publication
EP 1797333 A1 20070620 (DE)

Application
EP 05795191 A 20051001

Priority
• EP 2005010624 W 20051001
• DE 202004015896 U 20041009
• DE 202005015357 U 20050929

Abstract (en)
[origin: US2009142191A1] A fan for cooling a circuit board (26) has a fan wheel (10; 10') that is adapted for rotation about a rotation axis (11) and in a predetermined rotation direction (14), and an outer wall (18) that is rigidly joined to an inner wall (16). Defined between the two walls (16, 18) are curved air-directing conduits (39) that extend from an axial air entrance opening (40) to a radial air exit opening (42). The axial air entrance opening (40) is at a lesser distance from the rotation axis than the radial air exit opening (42), and the air-directing conduits (39) are separated from one another by air-directing blades (30, 32, 34, 36, 38) that each extend, oppositely to the predetermined rotation direction (14), from a point between two adjacent air entrance openings (40) to a point between two adjacent air exit openings (42).

IPC 8 full level
F04D 29/28 (2006.01)

CPC (source: EP US)
F04D 29/281 (2013.01 - EP US); **F04D 29/284** (2013.01 - EP US)

Citation (search report)
See references of WO 2006040031A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
US 2009142191 A1 20090604; US 8105011 B2 20120131; AT E390563 T1 20080415; DE 202005015357 U1 20060105; DE 502005003503 D1 20080508; EP 1797333 A1 20070620; EP 1797333 B1 20080326; WO 2006040031 A1 20060420

DOCDB simple family (application)
US 57652205 A 20051001; AT 05795191 T 20051001; DE 202005015357 U 20050929; DE 502005003503 T 20051001; EP 05795191 A 20051001; EP 2005010624 W 20051001