

Title (en)
FAN HAVING A SENSOR

Title (de)
LÜFTER MIT EINEM SENSOR

Title (fr)
VENTILATEUR DOTÉ D'UN CAPTEUR

Publication
EP 2118493 A1 20091118 (DE)

Application
EP 08853148 A 20081031

Priority
• EP 2008009232 W 20081031
• DE 202008000002 U 20080118

Abstract (en)
[origin: WO2009089857A1] A radial fan comprises a fan housing (2) with an air outlet opening (22', 24', 26', 28') and a carrier (12) provided in the fan housing (2), a fan wheel (11) having fan blades (21) being rotatably arranged on said carrier for creating an air flow (99). A plurality of connecting pins (16) is arranged on the carrier (12) for electrically connecting a drive motor (10). The fan further comprises a circuit board (70) arranged in the fan housing (2), said circuit board having an opening (75) for the passage of the air flow (99). Said circuit board is provided with openings (77) for the connecting pins (16). The fan comprises a first and a second carrier element (73) with a first and second electrical connection (73'). The carrier elements extend with the free ends (72', 73') thereof into the air passage opening (75) such that the free ends (72', 73') thereof are spaced from each other. The fan also has a sensor (71) for detecting a parameter of the air flow (99) generated during operation. The sensor (71) comprises a first and a second sensor connection (71'), with a first and a second electrical connection (73'), so that the air flow (99) flows around the sensor (71).

IPC 8 full level
F04D 25/06 (2006.01); **F04D 27/00** (2006.01)

CPC (source: EP)
F04D 25/0606 (2013.01); **F04D 25/0666** (2013.01); **F04D 27/001** (2013.01)

Citation (search report)
See references of WO 2009089857A1

Cited by
US9835265B2; US10503181B2; US9657946B2; US9683674B2; US10215291B2; US10697815B2; US9851103B2; US10851993B2;
US9645584B2; US10203049B2; US10422531B2; US11421875B2; US9995486B2; US10024439B2; US10697632B2; US9846440B2;
US10564062B2; US9841122B2; US11073281B2

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 MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2009089857 A1 20090723; AT E485452 T1 20101115; DE 202008015459 U1 20090528; DE 502008001586 D1 20101202;
EP 2118493 A1 20091118; EP 2118493 B1 20101020

DOCDB simple family (application)
EP 2008009232 W 20081031; AT 08853148 T 20081031; DE 202008015459 U 20081121; DE 502008001586 T 20081031;
EP 08853148 A 20081031