

Title (en)
Air conditioner

Title (de)
Klimaanlage

Title (fr)
Dispositif de conditionnement d'air

Publication
EP 1574789 A2 20050914 (EN)

Application
EP 05012930 A 20010403

Priority
• EP 01108411 A 20010403
• JP 2000103280 A 20000405
• JP 2000231570 A 20000731

Abstract (en)
An air conditioner is provided which comprises a housing (31) and a heat exchanger (32) disposed in the housing of (31). A line flow fan (33) is disposed between the heat exchanger (32) and the housing (31) for blowing air heat-exchanged by the heat exchanger (32) to the outside. A casing (35) is mounted in the housing (31) for receiving a motor (34) for driving the line flow fan (33). A partition plate (37) is provided between an air passageway in which the air is carried out by the line flow fan (33) and a space in which the casing (35) of the motor (34) is mounted. In the partition plate (37) a receiving portion (38) is disposed to permit insertion therethrough of a coupling fixation portion (49) for coupling the motor (34) with the line flow fan (33). A shielded space (50) is formed inside the casing (35) so that an outer circumference of a shaft of the motor (34) is covered, and the casing (35) is disposed in close contact with the partition plate (37). <IMAGE>

IPC 1-7
F24F 13/22; **F24F 1/00**; **F28F 13/04**; **F24F 13/20**

IPC 8 full level
F24F 1/0063 (2019.01); **F24F 1/0067** (2019.01); **F24F 1/0071** (2019.01); **F24F 13/20** (2006.01); **F24F 13/22** (2006.01); **F28F 13/04** (2006.01); **F28F 17/00** (2006.01)

CPC (source: EP US)
F24F 1/0057 (2019.01 - EP); **F24F 1/0063** (2019.01 - EP US); **F24F 1/0067** (2019.01 - EP US); **F24F 1/0071** (2019.01 - EP US); **F24F 13/20** (2013.01 - EP); **F24F 13/22** (2013.01 - EP); **F28F 17/005** (2013.01 - EP); **F24F 2013/205** (2013.01 - EP)

Cited by
EP2103885A1; EP1950503A1

Designated contracting state (EPC)
ES IT

DOCDB simple family (publication)
EP 1143205 A2 20011010; **EP 1143205 A3 20030305**; **EP 1143205 B1 20080813**; AU 1833601 A 20011025; AU 742991 B2 20020117; CN 1177179 C 20041124; CN 1316627 A 20011010; EP 1574789 A2 20050914; EP 1574789 A3 20051123; EP 1574789 B1 20080813; ES 2307557 T3 20081201; ES 2308339 T3 20081201

DOCDB simple family (application)
EP 01108411 A 20010403; AU 1833601 A 20010207; CN 01116208 A 20010403; EP 05012930 A 20010403; ES 01108411 T 20010403; ES 05012930 T 20010403