

Title (en)

Indoor unit of an airconditioner comprising at least one cross-flow fan

Title (de)

Inneneinheit einer Klimaanlage mit mindestens einem Querstromgebläse

Title (fr)

Appareil de climatisation à l'intérieur avec au moins un ventilateur à courant transversal

Publication

**EP 2157377 B1 20170503 (EN)**

Application

**EP 09010626 A 20090818**

Priority

- JP 2008213375 A 20080821
- JP 2008213376 A 20080821
- JP 2008213377 A 20080821

Abstract (en)

[origin: EP2157377A2] [Problem(s) to Be Solved] Dewdrops adhering to a motor support portion or a bearing support portion of a pair of upper and lower cross-flow fans as structural parts are prevented from entering a ventilation trunk, and are prevented from being discharged and flying from an outlet into room together with cool air. [Means for Solving the Problem(s)] In an air conditioning apparatus 1 comprising a heat exchanger 3 and a pair of upper and lower cross-flow fans 4, 5 in a housing 2 having a front inlet 8, a side inlet 9, an upper outlet 10, and a lower outlet 11, so that air flowing from the front inlet 8 and the side inlet 9 into the housing 2 is heat-exchanged by the heat exchanger 3 and blown off from the upper outlet 10 and the lower outlet 11 by means of the pair of the upper and lower cross-flow fans 4, 5, bearing support portions 22A, 22B and motor support portions 23A, 23B of the pair of the upper and lower cross-flow fans 4, 5 are integrally formed, respectively.

IPC 8 full level

**F24F 1/005** (2019.01); **F24F 1/0063** (2019.01); **F24F 1/0073** (2019.01); **F24F 13/20** (2006.01)

CPC (source: EP US)

**F24F 1/0025** (2013.01 - EP); **F24F 1/0033** (2013.01 - EP); **F24F 1/005** (2019.01 - EP US); **F24F 1/0063** (2019.01 - EP US); **F24F 1/0073** (2019.01 - EP US); **F24F 13/20** (2013.01 - EP); **F24F 2013/205** (2013.01 - EP)

Cited by

CN103574772A; CN104110812A; CN103574862A; CN107676864A; CN105179273A; CN105485875A; CN112212404A; CN103673098A; CN105240939A; CN103574771A; CN113027814A; CN103673085A; CN105423518A; EP2977689A3; CN107436006A; CN103512087A; EP3252385A4; JP2014070761A

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

DOCDB simple family (publication)

**EP 2157377 A2 20100224**; **EP 2157377 A3 20100428**; **EP 2157377 B1 20170503**

DOCDB simple family (application)

**EP 09010626 A 20090818**