

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

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