

Title (en)

Air conditioner having electrical equipment box cooling mechanism

Title (de)

Klimaanlage mit elektrischem Gerätegehäuse-Kühlmechanismus

Title (fr)

Climatiseur disposant d'un mécanisme de refroidissement du boîtier

Publication

EP 2023048 A1 20090211 (EN)

Application

EP 08013278 A 20080723

Priority

JP 2007192790 A 20070725

Abstract (en)

In an air conditioner having an electrical equipment box mounted on the outer surface of a unit body in which an air blowing fan and an indoor heat exchanger are mounted, the electrical equipment box has an accommodating portion in which a control board is mounted, and a projecting portion that is connected to the accommodating portion so that the inside of the projecting portion intercommunicates with the inside of the accommodating portion and has an air inlet port and an air discharge port, and the unit body has an opening formed in the outer surface thereof through which the projecting portion of the electrical equipment box is inserted, the projecting portion being secured to the outer side surface of the unit body under the state that the projecting portion projects through the opening into an air flowing passage of the air blowing fan.

IPC 8 full level

F24F 1/00 (2006.01); **F24F 13/20** (2006.01)

CPC (source: EP KR US)

F24F 1/00 (2013.01 - EP KR US); **F24F 13/20** (2013.01 - EP KR US); **F24F 2013/207** (2013.01 - EP US)

Citation (applicant)

JP 2562675 B2 19961211

Citation (search report)

- [DA] JP H02110221 A 19900423 - SANYO ELECTRIC CO
- [A] GB 2304400 A 19970319 - TOSHIBA KK [JP]
- [A] EP 1684022 A1 20060726 - TOSHIBA CARRIER CORP [JP]
- [A] EP 1416230 A1 20040506 - TOSHIBA CARRIER CORP [JP]
- [A] JP H11148685 A 19990602 - FUJITSU GENERAL LTD

Cited by

EP2833079A4; EP3091304A4

Designated contracting state (EPC)

DE FR IT LU NL

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 2023048 A1 20090211; **EP 2023048 B1 20150304**; CN 100578100 C 20100106; CN 101354160 A 20090128; JP 2009030829 A 20090212; KR 100898233 B1 20090518; KR 20090012035 A 20090202; US 2009025413 A1 20090129

DOCDB simple family (application)

EP 08013278 A 20080723; CN 200810092227 A 20080417; JP 2007192790 A 20070725; KR 20080034432 A 20080415; US 17651208 A 20080721