

Title (en)

In-ceiling mount type air conditioner using the same

Title (de)

In Raumdecke eingebaute Klimaanlage

Title (fr)

Installation de climatisation incorporée dans le plafond d'une pièce

Publication

**EP 0791788 B1 20041103 (EN)**

Application

**EP 97102807 A 19970220**

Priority

JP 6010096 A 19960222

Abstract (en)

[origin: EP0791788A2] In an air conditioner having an air blow fan 7 fixed on the top face 4a of a housing 4, and a heat exchanger 10 disposed around the air blow fan 7, air which is sucked in by the air blow fan 7 being blown out to the heat exchanger 10, a first intercepting plate 100 is interposed between the top face 4a of the housing 4 of the air conditioner and the air blow fan 7. Further, a fan nozzle 13a is disposed on the inner periphery of a shroud 7c of the air blow fan 7, and a second intercepting plate 13 is disposed on the outer periphery of the shroud 7c. <IMAGE>

IPC 1-7

**F24F 1/00**; **F24F 1/02**

IPC 8 full level

**F04D 29/44** (2006.01); **F24F 1/00** (2006.01); **F24F 1/0063** (2019.01); **F24F 1/0073** (2019.01); **F24F 8/108** (2021.01); **F24F 13/20** (2006.01); **F24F 13/24** (2006.01)

CPC (source: EP US)

**F24F 1/0035** (2019.01 - EP US); **F24F 1/0047** (2019.01 - EP); **F24F 1/0063** (2019.01 - EP US); **F24F 1/0073** (2019.01 - EP US); **F24F 8/108** (2021.01 - EP US); **F24F 13/24** (2013.01 - EP); **F24F 1/0022** (2013.01 - EP); **F24F 8/10** (2021.01 - EP); **F24F 2011/0002** (2013.01 - EP)

Cited by

EP1184575A3; FR2775335A1; EP2059726A4; EP3418641A4; GB2333833A; GB2333833B; US6041853A; US10627132B2; WO2015000207A1; EP1184575A2; US6679682B2; US8127830B2

Designated contracting state (EPC)

DE ES FR GB GR IT PT

DOCDB simple family (publication)

**EP 0791788 A2 19970827**; **EP 0791788 A3 19990512**; **EP 0791788 B1 20041103**; CN 1144977 C 20040407; CN 1178309 A 19980408; DE 69731417 D1 20041209; DE 69731417 T2 20051020; ES 2231830 T3 20050516; JP H09229409 A 19970905

DOCDB simple family (application)

**EP 97102807 A 19970220**; CN 97110929 A 19970222; DE 69731417 T 19970220; ES 97102807 T 19970220; JP 6010096 A 19960222