

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)

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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