

Title (en)
Air conditioner

Title (de)
Klimaanlage

Title (fr)
Climatiseur

Publication
EP 1703216 A2 20060920 (EN)

Application
EP 06003441 A 20060220

Priority
JP 2005045035 A 20050222

Abstract (en)
An air conditioner includes a housing (1) provided with one or more air suction openings (2) and one or more air discharge openings (3); a cross flow fan (4) disposed in the housing (1); and a fin attached heat exchanger unit (5) disposed between the air suction openings and the cross flow fan and having a front heat exchanger (5a), where a coolant tube (7) is arranged in a lower portion of the front heat exchanger (5a) in a single row and in an upper portion thereof in two rows; and a rear heat exchanger (5b), where the coolant tube is arranged in two rows, the front and rear heat exchanger being coupled in a substantially inverted "V" shape. A fin (8) of the front heat exchanger is provided with a slit (9a) at a joint portion of the lower and upper portion thereof and a protrusion is formed at the slit to interfere with a suction air flow.

IPC 8 full level
F24F 1/0063 (2019.01); **F28F 1/32** (2006.01)

CPC (source: EP US)
F24F 1/0063 (2019.01 - EP US); **F28F 1/325** (2013.01 - EP)

Citation (applicant)
• JP H11183077 A 19990706 - FUJITSU GENERAL LTD
• JP 2003202118 A 20030718 - DAIKIN IND LTD

Cited by
EP1659344A4; US8156999B2

Designated contracting state (EPC)
ES IT

DOCDB simple family (publication)
EP 1703216 A2 20060920; EP 1703216 A3 20080820; EP 1703216 B1 20171227; ES 2661170 T3 20180327; JP 2006234184 A 20060907

DOCDB simple family (application)
EP 06003441 A 20060220; ES 06003441 T 20060220; JP 2005045035 A 20050222