

Title (en)
INDOOR HEAT EXCHANGER AND AIR CONDITIONING DEVICE

Title (de)
INNENRAUMWÄRMETAUSCHER UND KLIMATISIERUNGSVORRICHTUNG

Title (fr)
ÉCHANGEUR DE CHALEUR INTÉRIEUR ET DISPOSITIF DE CONDITIONNEMENT D'AIR

Publication
EP 3745075 B1 20230308 (EN)

Application
EP 18901558 A 20181227

Priority
• JP 2018008352 A 20180122
• JP 2018048147 W 20181227

Abstract (en)
[origin: EP3745075A1] There is provided an indoor heat exchanger that includes a plurality of flat tubes capable of suppressing dispersion of dew condensation water, and an air conditioning apparatus. An indoor heat exchanger (51) to be used in an indoor unit (3) of an air conditioning apparatus (1) includes a plurality of flat tubes (55) that each include a flow channel (55c) for refrigerant and that are vertically juxtaposed, and a plurality of indoor fins (60) joined to the plurality of indoor flat tubes (55). The indoor fins (60) each include a vertically extending continuous portion (64) continuous with portions positioned between the indoor flat tubes (55) vertically juxtaposed. The relation of $4.0 \leq DP/HT \leq 10.0$ (HT represents the height of each flat tube (55), and DP represents the pitch of the indoor flat tubes (55) vertically juxtaposed) is satisfied.

IPC 8 full level
F28F 1/32 (2006.01); **F24F 1/0067** (2019.01); **F24F 1/0068** (2019.01); **F24F 13/22** (2006.01); **F28D 1/053** (2006.01); **F28F 1/02** (2006.01)

CPC (source: EP US)
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