

Title (en)

Heating/cooling system used in air conditioner

Title (de)

Heiz- und/oder Kühlanordnung für Klimageräte

Title (fr)

Système de chauffage et/ou de refroidissement utilisé dans un appareil de conditionnement d'air

Publication

EP 1371920 A2 20031217 (EN)

Application

EP 03251159 A 20030226

Priority

KR 20020032916 A 20020612

Abstract (en)

A cooling/heating system used in an air conditioner comprises a silencer (30) comprising at least one body (31) coupled in series to a refrigerant pipe which is coupled to an expansion device (21) of an indoor unit (20), and a spatial compartment member (32) provided in such a way that an inner space of the body (31) is comparted across a flowing direction of a refrigerant, the spatial compartment member (32) being perforated with a refrigerant passing hole (32c), through which the refrigerant flows. The silencer (30) further comprises a screen (33) formed of a mesh type, and positioned in an inside of the body (31) such that the refrigerant flows through the screen (33). <IMAGE>

IPC 1-7

F25B 13/00; **F25B 41/00**

IPC 8 full level

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CPC (source: EP KR)

F24F 1/00 (2013.01 - KR); **F25B 13/00** (2013.01 - EP); **F25B 41/00** (2013.01 - EP); **F25B 2500/01** (2013.01 - EP); **F25B 2500/12** (2013.01 - EP)

Citation (applicant)

- JP H05113272 A 19930507 - HITACHI LTD, et al
- US 6148631 A 20001121 - WATANABE MASAHITO [JP], et al
- DE 9203857 U1 19920514

Citation (examination)

JP H05322379 A 19931207 - HITACHI LTD, et al

Cited by

US11835274B2; EP3992541A4; EP1862750A4; CN109186142A; EP3990835A4; WO2021066522A1

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