

Title (en)

Heating/cooling system used in air conditioner

Title (de)

Heiz- und/oder Kühlanordnung für Klimagerät

Title (fr)

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

Publication

EP 1371919 B1 20090715 (EN)

Application

EP 03004169 A 20030226

Priority

KR 20020032915 A 20020612

Abstract (en)

[origin: EP1371919A2] A cooling/heating system used in an air conditioner is disclosed. The cooling/heating system comprises at least one silencer (30) coupled in series to a refrigerant pipe which is coupled to an expansion device (21) of an indoor unit (20), for eliminating a local pressure difference of a refrigerant flowing therein and for making a mixed state of gas and liquid uniform. The silencer (30) comprises a body direct coupled to the refrigerant pipe for making the refrigerant flow through therein, and a porous tube provided in the body, with a buffer space being formed between an outer periphery thereof and an inner periphery of the body, the porous tube having a plurality of passing holes for communicating an interior thereof with the buffer space. <IMAGE>

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)

Cited by

DE102013015072A1; CN114623589A; EP3992541A4; CN112179007A; DE102008033806A1; US11536501B2; WO2020055626A1; DE102018110370B4; EP3850281B1

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