

Title (en)

Internal heat exchanger for an air conditioning system

Title (de)

Interner Wärmetauscher für eine Klimaanlage

Title (fr)

Échangeur de chaleur interne pour système de conditionnement d'air

Publication

EP 2735835 A2 20140528 (EN)

Application

EP 13193650 A 20131120

Priority

US 201261729875 P 20121126

Abstract (en)

An internal heat exchanger (1) for an air conditioning system (2), comprising an outer tube (3) and a line structure (4) arranged inside the outer tube (3), characterized in that the line structure (4) includes a first flow channel (5), and wherein a second flow channel (6) is formed between the outer tube (3) and line structure (4), wherein the first flow channel (5) has a meandering configuration.

IPC 8 full level

F25B 40/00 (2006.01); **F28D 7/08** (2006.01); **F28D 7/10** (2006.01); **F28F 1/40** (2006.01); **F28F 13/06** (2006.01)

CPC (source: EP KR US)

F25B 40/00 (2013.01 - EP US); **F28D 7/082** (2013.01 - EP US); **F28D 7/10** (2013.01 - EP US); **F28F 1/10** (2013.01 - KR); **F28F 1/32** (2013.01 - KR); **F28F 1/40** (2013.01 - EP US); **F28F 13/06** (2013.01 - EP US)

Citation (applicant)

DE 102007015186 A1 20081002 - VALEO KLIMASYSTEME GMBH [DE]

Cited by

RU168222U1; RU168223U1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2735835 A2 20140528; **EP 2735835 A3 20141126**; BR 102013029900 A2 20140923; CN 103836843 A 20140604; DE 202013011854 U1 20140812; JP 2014115074 A 20140626; KR 20140067929 A 20140605; US 2014151004 A1 20140605

DOCDB simple family (application)

EP 13193650 A 20131120; BR 102013029900 A 20131121; CN 201310611045 A 20131126; DE 202013011854 U 20131120; JP 2013243673 A 20131126; KR 20130144429 A 20131126; US 201314090442 A 20131126