

Title (en)

Heat exchanger, more particularly for air conditioning system

Title (de)

Wärmeübertrager, insbesondere für Klimaanlage

Title (fr)

Echangeur de chaleur, en particulier pour installation de climatisation

Publication

EP 1632742 B1 20181219 (DE)

Application

EP 05016196 A 20050726

Priority

DE 102004042692 A 20040901

Abstract (en)

[origin: EP1632742A2] The heat exchanger for an air conditioning system, for a motor vehicle, has at least one collection tube and a heat exchanger block (1) of corrugated ribs (3) and flat pipes (2) with twisted ends to fit into the collection tube and straight sections with narrow sides. The corrugated ribs between the flat pipes are flush with the pipe narrow sides on one side, and extend over the pipe at the other side to form a rib projection (4).

IPC 8 full level

F28D 1/053 (2006.01); **F28F 1/12** (2006.01)

CPC (source: EP)

F28D 1/05383 (2013.01); **F28F 1/022** (2013.01); **F28F 1/126** (2013.01); **F28F 1/128** (2013.01); **F28F 2265/00** (2013.01)

Citation (examination)

- EP 1164345 A1 20011219 - DENSO CORP [JP]
- JP H06147785 A 19940527 - HITACHI LTD, et al

Cited by

FR2991034A1; EP2733452A4; JP2015200442A; WO2013174785A1

Designated contracting state (EPC)

DE FR

DOCDB simple family (publication)

EP 1632742 A2 20060308; **EP 1632742 A3 20110928**; **EP 1632742 B1 20181219**; DE 102004042692 A1 20060302

DOCDB simple family (application)

EP 05016196 A 20050726; DE 102004042692 A 20040901