

Title (en)

HEAT EXCHANGER, ESPECIALLY FOR MOTOR VEHICLES

Title (de)

WÄRMEÜBERTRAGER, INSBESONDERE FÜR KRAFTFAHRZEUGE

Title (fr)

ECHANGEUR THERMIQUE NOTAMMENT DESTINE A DES VEHICULES

Publication

EP 1769212 B1 20170510 (DE)

Application

EP 05771019 A 20050712

Priority

- EP 2005007572 W 20050712
- DE 102004033786 A 20040712

Abstract (en)

[origin: WO2006005594A1] The invention relates to a heat exchanger, especially for motor vehicles, comprising a soldered block consisting of flat tubes (3) and ribs (2). A first medium can flow through the flat tubes (3) which communicate with a collecting tank, and a second medium can flow through the ribs (2). According to the invention, the ribs (2) are embodied in an essentially plane manner, are arranged parallel to each other, and comprise openings provided with contact surfaces. The flat tubes (3) are received in the openings and soldered in the region of the contact surfaces.

IPC 8 full level

F28F 21/08 (2006.01); **F28D 1/04** (2006.01); **F28F 1/32** (2006.01); **F28F 9/02** (2006.01)

CPC (source: EP)

F28D 1/0408 (2013.01); **F28D 1/05366** (2013.01); **F28F 1/325** (2013.01)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2006005594 A1 20060119; EP 1769212 A1 20070404; EP 1769212 B1 20170510

DOCDB simple family (application)

EP 2005007572 W 20050712; EP 05771019 A 20050712