

Title (en)

Heat transfer device, in particular cooling liquid cooler for a motor vehicle

Title (de)

Wärmeübertrager, insbesondere Kühlmittelkühler für Kraftfahrzeuge

Title (fr)

Échangeur de chaleur, en particulier radiateur pour liquide de refroidissement dans un véhicule automobile

Publication

EP 1972879 B1 20171101 (DE)

Application

EP 08004214 A 20080307

Priority

DE 102007013483 A 20070321

Abstract (en)

[origin: EP1972879A2] The heat exchanger has a block with a pipe (8) and especially ribs, a passage (7) for the pipe and a peripheral channel (4) for an elastomeric seal and/or a bottom with a preferably plastic cover joined to the bottom, especially by soldering or welding, whereby the bottom has at least one outer edge protruding beyond at least one end by a total dimension (X) consisting of several individual dimensions (x1-x4). The first individual dimension relating to the distance between the block or pipe and the channel is equal to or less than 0.5 mm.

IPC 8 full level

F28F 9/02 (2006.01)

CPC (source: EP)

F28F 9/0224 (2013.01); **F28F 9/0226** (2013.01)

Citation (examination)

US 4917182 A 19900417 - BEAMER HENRY E [US]

Cited by

JP2017075741A; CN103890530A; EP4332492A1; US10393450B2; US9810484B2; WO2013060882A1; WO2012159971A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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