

Title (en)

Stacked plate heat exchanger for a motor vehicle

Title (de)

Stapelscheiben-Wärmetauscher für ein Kraftfahrzeug

Title (fr)

Echangeur thermique à empilement de plaques pour un véhicule automobile

Publication

EP 2138793 B1 20150812 (DE)

Application

EP 09007532 A 20090608

Priority

DE 102008029959 A 20080626

Abstract (en)

[origin: EP2138793A2] The heat exchanger has exchanger plates (1) connected in stack and sealingly soldered with each other. A main channel of a fluid e.g. engine oil of a lubricant loop of an internal combustion engine, extends in a stack direction, and is formed by aligned through-holes (8) of the individual plates. A cover plate (4) is soldered with an upwardly curved outer edge of the top exchanger plate, and is soldered with an edge of the main channel in a fluid sealing manner. A reinforcement plate (5) is externally fixed on the cover plate by soldering, and is arranged in a region of a main channel.

IPC 8 full level

F28D 9/00 (2006.01); **F28F 9/00** (2006.01)

CPC (source: EP)

F28D 9/005 (2013.01); **F28F 9/00** (2013.01); **F28F 9/0075** (2013.01); **F28F 2225/02** (2013.01)

Cited by

JP2014085044A; CN112935739A; FR3134884A1; EP2466241A1; FR3134883A1; CN117147344A

Designated contracting state (EPC)

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 SE SI SK TR

DOCDB simple family (publication)

EP 2138793 A2 20091230; EP 2138793 A3 20130821; EP 2138793 B1 20150812; DE 102008029959 A1 20091231

DOCDB simple family (application)

EP 09007532 A 20090608; DE 102008029959 A 20080626