

Title (en)

Heat exchanger, more particularly oil cooler

Title (de)

Wärmetauscher, insbesondere Ölkühler

Title (fr)

Echangeur de chaleur, en particulier refroidisseur d'huile

Publication

**EP 1522811 B1 20121205 (DE)**

Application

**EP 04022134 A 20040917**

Priority

DE 10347181 A 20031010

Abstract (en)

[origin: EP1522811A2] Heat exchanger, especially an oil cooler, comprises dish-shaped heat transfer plates (1) stacked on top of each other and forming alternate channels for the coolant and the oil, and a combined base/fixing plate (3) with fixing openings (5). The heat transfer plates and the combined base/fixing plate have openings (4, 6) for the oil and coolant. The base/fixing plate is soldered to the stack of heat transfer plates. Recesses for seals (2) provided on the side of the combined base/fixing plate facing away from the heat exchanger extend at least around the openings.

IPC 8 full level

**F28D 9/00** (2006.01); **F28F 9/007** (2006.01)

CPC (source: EP US)

**F28D 9/005** (2013.01 - EP US); **F28F 9/0075** (2013.01 - EP US); **F28F 2280/06** (2013.01 - EP US); **Y10S 165/916** (2013.01 - EP US)

Citation (examination)

EP 0623798 A2 19941109 - BEHR GMBH & CO [DE]

Cited by

EP1785609A1; JP2018505337A; EP1832724A1; DE202011002197U1; US8424592B2; US8016025B2; DE102013014434A1; WO2016096957A1; US8261816B2; US9921005B2; WO2012104077A1; EP1855074B1; WO2008140390A1; WO2008034812A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**EP 1522811 A2 20050413**; **EP 1522811 A3 20100915**; **EP 1522811 B1 20121205**; DE 10347181 A1 20050519; DE 10347181 B4 20051222; US 2005121182 A1 20050609; US 7533717 B2 20090519

DOCDB simple family (application)

**EP 04022134 A 20040917**; DE 10347181 A 20031010; US 96032604 A 20041007