

Title (en)

HEAT EXCHANGER, ESPECIALLY OIL/COOLANT COOLER

Title (de)

WÄRMETAUSCHER, INSBESONDERE ÖL-/KÜHLMITTEL-KÜHLER

Title (fr)

ECHANGEUR DE CHALEUR, NOTAMMENT RADIATEUR D'HUILE/DE LIQUIDE DE REFROIDISSEMENT

Publication

EP 1711768 A1 20061018 (DE)

Application

EP 04803538 A 20041206

Priority

- EP 2004013828 W 20041206
- DE 102004003790 A 20040123

Abstract (en)

[origin: WO2005071342A1] The invention relates to a heat exchanger, especially a stacked plate oil cooler (1) having a plate-type design. The heat exchanger is characterized in that two adjacent heat exchanger plates (2) define a space between them through which the heat exchange medium or a second medium that is to be cooled or heated flows. At one end of said heat exchanger, a base plate (3) lies substantially flat against the adjacent outmost heat exchanger plate (2) of the heat exchanger. Said base plate (3) is provided with a recess (5) whose contour follows that of the heat exchanger plate (2).

IPC 8 full level

F24J 2/54 (2006.01); **F28D 9/00** (2006.01); **F28F 3/04** (2006.01); **F28F 9/04** (2006.01)

CPC (source: EP US)

F28D 9/005 (2013.01 - EP US); **F28F 3/04** (2013.01 - EP US); **F28F 9/0246** (2013.01 - EP US); **F28D 2021/0089** (2013.01 - EP US)

Citation (search report)

See references of WO 2005071342A1

Citation (examination)

- JP H0674672 A 19940318 - HISAKA WORKS LTD
- EP 1063486 A1 20001227 - VALEO THERMIQUE MOTEUR SA [FR]
- EP 1063488 A1 20001227 - VALEO THERMIQUE MOTEUR SA [FR]

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 MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2005071342 A1 20050804; BR PI0418440 A 20070522; DE 102004003790 A1 20050811; EP 1711768 A1 20061018; JP 2007518958 A 20070712; MX PA06008292 A 20070126; US 2008257536 A1 20081023

DOCDB simple family (application)

EP 2004013828 W 20041206; BR PI0418440 A 20041206; DE 102004003790 A 20040123; EP 04803538 A 20041206; JP 2006549901 A 20041206; MX PA06008292 A 20041206; US 58597104 A 20041206