

Title (en)

Plate-like heat-exchanger, especially for a motor car oil cooler.

Title (de)

Plattenwärmetauscher, insbesondere für einen Ölkühler eines Kraftfahrzeugs.

Title (fr)

Echangeur de chaleur à lames, en particulier pour le refroidissement de l'huile de lubrification d'un véhicule automobile.

Publication

EP 0434553 B1 19940309 (FR)

Application

EP 90403663 A 19901219

Priority

FR 8917002 A 19891221

Abstract (en)

[origin: EP0434553A1] The plate-like heat exchanger is designed to allow heat exchange between a first and a second fluid. It consists of a housing (12) equipped with an inlet (26) and outlet (28) for the second fluid. A stack of plates (30) is arranged alternately in pairs inside the housing in such a way as to define the plates for the circulation of the first fluid and the plates for the circulation of the second fluid. Means of communication are provided between the successive pairs of plates. At least one partition (76, 78), arranged parallel to the plates inside the housing, is provided in such a way as to define at least two chambers into which the inlet (26) and outlet (28) open respectively. The partition incorporates an opening (86, 88) for the circulation of the second fluid from one chamber to the other. <IMAGE>

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F28D 9/00

IPC 8 full level

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CPC (source: EP US)

F28D 9/0012 (2013.01 - EP US); **Y10S 165/916** (2013.01 - EP US)

Citation (examination)

- VDI-Wärmeatlas, 4.Auflage 1984, page Ob10, VDI-Verlag GmbH, Düsseldorf
- G.F.Hewitt, "Hemisphere Handbook of heat exchange design", page 4.2.5-4-4.2.5-7, Hemisphere Publishing Corporation

Cited by

DE4040875A1; EP1241427A1; FR2773875A1; FR3128522A1; EP0654646A1; FR2712967A1; DE4128153A1; US5236043A; WO2023066822A1

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