

Title (en)

HEAT EXCHANGER AND PLATE USED IN A HEAT EXCHANGER

Title (de)

WÄRMEÜBERTRAGER SOWIE PLATTE FÜR EINEN WÄRMEÜBERTRAGER

Title (fr)

ECHANGEUR DE CHALEUR ET PLAQUE DESTINEE A UN ECHANGEUR DE CHALEUR

Publication

EP 1654507 A1 20060510 (DE)

Application

EP 04763599 A 20040729

Priority

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- DE 10336030 A 20030801

Abstract (en)

[origin: WO2005012819A1] The aim of the invention is to provide a heat exchanger, in particular a stacked-plate cooler for a vehicle, which increases the heat transfer, thus maximising the utilisation of the heat transfer surface. To achieve this, the inventive heat exchanger (1) is equipped with several tray-shaped plates (2a to 2z). Said plates (2a to 2z) are placed on top of one another, are sealed together on their peripheral edge and are provided with passages (4). The passages (4) lying essentially above one another form a continuous flow channel (6a to 6d) that traverses the plates (2a to 2z) and adjacent flow channels (6a to 6d) are traversed by different media (M1, M2) from an inflow side to an outflow side, the respective flow channel (6a to 6d) having an elongated cross-section (QS).

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