

Title (en)

HEAT EXCHANGER, ESPECIALLY CHARGE AIR COOLER FOR MOTOR VEHICLES

Title (de)

WÄRMEÜBERTRAGER, INSBESONDERE LADELÜFTKÜHLER FÜR KRAFTFAHRZEUGE

Title (fr)

ECHANGEUR THERMIQUE, NOTAMMENT REFROIDISSEUR D'AIR DE SURALIMENTATION POUR VEHICULES

Publication

EP 1687583 A1 20060809 (DE)

Application

EP 04818769 A 20041110

Priority

- EP 2004012720 W 20041110
- DE 10354382 A 20031120

Abstract (en)

[origin: WO2005050120A1] The invention relates to a heat exchanger, especially a charge air cooler (5) for motor vehicles. Said heat exchanger comprises a heat exchange block which is constituted of flat tubes (6) having flat tube ends and ribs (7) and tube bottoms (8) having ventilation passages (9) in which the flat tube ends are received and welded together. The heat exchanger also comprises collecting tanks that can be placed on the tube bottoms (8) and means for deflecting the flow in the feed section of the flat tube ends. The inventive heat exchanger is characterized in that the means for deflecting flow (deflection means 2) and means for reinforcing the flat tube ends (reinforcing means) are configured as an integrated structural component (1).

IPC 8 full level

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