

Title (en)

HEAT EXCHANGER, ESPECIALLY A GAS RADIATOR OR A CONDENSER FOR A CAR

Title (de)

WÄRMETAUSCHER, INSBESONDERE EINES GASHEIZKÖRPER ODER EINES KONDENSATORS FÜR EIN FAHRZEUG

Title (fr)

ÉCHANGEUR DE CHALEUR, EN PARTICULIER UN RADIATEUR À GAZ OU UN CONDENSEUR DESTINÉ À UN VÉHICULE

Publication

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Application

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Priority

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Abstract (en)

The object of the present invention is the heat exchanger (1), especially a gas radiator or a condenser for a car, comprising manifolds arranged on both sides of the heat exchanger and plurality stacked parallel and spaced relative to each other flattened tubes, the ends of which are arranged in the manifolds. The flattened tubes (2) are elongated in the transverse direction (X) and have rounded outer side walls (2a). Furthermore, the heat exchanger comprises ribbed separators (3) formed of curved wavy ribs having flat outer side walls (3a). The ribbed separators (3) are arranged between the flattened tubes (2). The heat exchanger according to the invention is characterized in that the (B) width of the ribbed separator (3) is larger than the (A) width of the flattened tube (2) in the range of 0% to 20%, while the flattened tube (2) is positioned symmetrically with respect to the ribbed separator (3) across the width of the ribbed separator (3) and forms equal distances the ribbed separator (3) projects on both sides beyond the outer surface of the side walls (2a) of the flattened tube (2). The (B) width of the ribbed separator (3) is measured between its outer flat side walls (3a) in the transverse direction (X), while the width of the flattened tube (2) is measured in the same transverse direction (X) and between the outer surfaces of its side walls (2a).

IPC 8 full level

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Citation (applicant)

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Citation (search report)

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