

Title (en)
MULTICHANNEL TUBE HEAT EXCHANGER, IN PARTICULAR FOR MOTOR VEHICLE

Title (de)
WÄRMETAUSCHER MIT MEHRKANALROHREN

Title (fr)
ECHANGEUR DE CHALEUR A TUBES A PLUSIEURS CANAUX

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Application
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Priority
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Abstract (en)
[origin: FR2803378A1] The invention concerns a heat exchanger comprising an array of tubes (10) mounted between two fluid boxes (28, 46) via respective manifolds (16) and designed to be run through by a fluid. The tubes (10) comprise each several channels separated by at least a longitudinal partition and are arranged in a single row, parallel to two large surfaces of the exchanger, such that the fluid circulation takes place in at least two layers parallel to the large surfaces of the exchanger and formed each by part of tube channels. One at least of the fluid boxes (28, 36) comprises an internal longitudinal partition dividing the fluid box into at least two longitudinal sections communicating with the two layers respectively. The invention is in particular applicable to air conditioning evaporators.

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Cited by
EP1843115A3; EP4198439A1; EP4198440A1; WO2023110408A1; EP2196750A2; DE102008061762A1

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