

Title (en)
HEAT EXCHANGER FOR MOTOR VEHICLE

Title (de)
WÄRMETAUSCHER FÜR EIN KRAFTFAHRZEUG

Title (fr)
ECHANGEUR DE CHALEUR POUR VEHICULE AUTOMOBILE

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Application
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Abstract (en)
[origin: WO2016198536A1] The invention relates to a heat exchanger including a first circuit intended to be passed through by a liquid coolant and a second circuit intended to be passed through by a supercritical refrigerant, in which the first circuit is formed by at least one channel (A) defined by at least two plates (1, 1'), and in which the second circuit is formed by at least one multichannel tube (B), the channel (A) being in contact with the tube (B). Advantageously, in this exchanger, the first circuit includes multiple channels (A) and the second circuit includes multiple tubes (B), the tubes (B) and channels (A) being alternately stacked on top of one another. Such a heat exchanger is preferably applicable to air-conditioning devices used in motor vehicles.

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