

Title (en)
HEAT EXCHANGER TUBE

Title (de)
WÄRMETAUSCHERRÖHRE

Title (fr)
TUBE D'ÉCHANGEUR DE CHALEUR

Publication
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Abstract (en)

The invention deals with a heat exchanger plate (3) for use in a heat exchanger (19) of a vehicle, the heat exchanger plate (3) is made with a continuous sheet of material (9), the heat exchanger plate (3) comprising two opposite extremities (10), at least one of the extremity (10) of said heat exchanger plate (3) defining a tank area (4) provided with at least one opening (13, 14), the heat exchanger plate (3) defining an active area (5) dedicated to heat exchange between two fluids (RF, AF), said active area (5) being located between the two opposite extremities (10) of the heat exchanger plate (3), wherein the active area (5) is made of a single layer (6) of said sheet of material (9) while the tank area (4) is made of at least two layers (7, 8) of said sheet of material (9). For motor vehicle.

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Citation (search report)

- [X] JP H09113171 A 19970502 - SHOWA ALUMINUM CORP
- [X] US 4407359 A 19831004 - BERGER RAYMOND [FR], et al
- [X] US 2014151006 A1 20140605 - MOREAU SYLVAIN [FR], et al
- [X] US 6105665 A 20000822 - GHIANI FRANCO [DE]
- [A] US 5732460 A 19980331 - PATERNOSTER RONALD [US], et al
- [A] GB 2275005 A 19940817 - DIMPLEX [GB]

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