

Title (en)

MULTI-FLUID HEAT EXCHANGER FOR MOTOR VEHICLES

Title (de)

WÄRMETAUSCHER MIT MEHREREN FLÜSSIGKEITEN FÜR KRAFTFAHRZEUGE

Title (fr)

ECHANGEUR THERMIQUE MULTI-FLUIDES POUR VÉHICULES AUTOMOBILES

Publication

EP 2877802 A1 20150603 (FR)

Application

EP 13744477 A 20130724

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Abstract (en)

[origin: WO2014016324A1] The invention relates to a multi-fluid heat exchanger (1) for a vehicle including: a first high-pressure fluid circuit (3) including at least a first flat tube (7) enabling the circulation of a first fluid (11) at a first pressure, said first flat tube (7) including a first inner insert (49), the ridges (51) of which are attached to an inner wall of the first flat tube (7); a second liquid fluid circuit (5) including a second flat tube (9) enabling the circulation of a second liquid fluid (13) at a second pressure lower than the first pressure, characterized in that said first flat tube (7) and said second flat tube (9) are bent tubes having a similar outer shape, and in that the number of ridges (51) of the first inner insert (49) is sized such as to enable the first flat tube (7) to resist the pressure of the first fluid (11).

IPC 8 full level

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See references of WO 2014016324A1

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