

Title (en)

A radiator for motor vehicles with piping integrated on a manifold tank

Title (de)

Ein Kühler für Kraftfahrzeuge mit in einem Leitungstank integrierten Rohrleitungen

Title (fr)

Un radiateur pour véhicules automobiles avec tuyauterie intégrée dans un réservoir collecteur

Publication

**EP 1420223 B1 20050112 (EN)**

Application

**EP 02425704 A 20021115**

Priority

EP 02425704 A 20021115

Abstract (en)

[origin: EP1420223A1] A radiator for motor vehicles, comprising: a first manifold tank (12) and a second manifold tank (14), which are set parallel to one another and set vertically in the position in which the radiator (10) is mounted on a vehicle; a plurality of pipes (18) set parallel to one another connected at their ends to the manifold tanks (12, 14); and an inlet connector (24) and an outlet connector (26) of the heat-exchange liquid, connected, respectively, to the first manifold tank (12) and second manifold tank (14), in which the inlet connector (24) is set at the top end of the first manifold tank (12). <??>The radiator comprises an outlet channel (28) for the heat-exchange liquid, which extends parallel to the second manifold tank (14). The outlet channel (28) communicates with the manifold tank (14) by means of an opening (34) located at the bottom end of the second manifold tank (14) and carries the aforesaid outlet connector (26) at its top end. <IMAGE>

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IPC 8 full level

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CPC (source: EP)

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