

Title (en)
Heat exchanger

Title (de)
Wärmetauscher

Title (fr)
Echangeur de chaleur

Publication
EP 1447636 A1 20040818 (EN)

Application
EP 03100286 A 20030211

Priority
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Abstract (en)
Heat exchanger (10), in particular for an automotive vehicle, comprising an inlet header tank (12), a return header tank (14) and an outlet header tank (13), the inlet header tank (12) comprising an inlet port (24) for receiving refrigerant from a refrigeration circuit and the outlet header tank (13) comprising an outlet port (26) for returning refrigerant to the refrigeration circuit. The heat exchanger (10) further comprises a plurality of flat tubes (16, 16') extending between the inlet and outlet header tanks (12, 13) and the return header tank (14) and being in fluid connection therewith, for leading refrigerant from the inlet header tank (12) to the outlet header tank (13) via the return header tank (14). According to an important aspect of the invention, a partition wall (34) is arranged in the return header tank (14), the partition wall (34) dividing the return header tank (14) into a first chamber (30) and a second chamber (32), the partition wall (34) comprising openings (38) therein for fluidly connecting the first chamber (30) to the second chamber (32). <IMAGE>

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IPC 8 full level
F28D 1/053 (2006.01); **F28F 9/02** (2006.01); **F25B 9/00** (2006.01)

CPC (source: EP)
F28D 1/05375 (2013.01); **F28F 9/0214** (2013.01); **F25B 9/008** (2013.01); **F28F 2225/08** (2013.01)

Citation (applicant)
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