

Title (en)
COOLING DEVICE FOR LIQUID-COOLED INTERNAL-COMBUSTION ENGINES

Publication
EP 0061597 B1 19850703 (DE)

Application
EP 82101629 A 19820303

Priority
DE 3112202 A 19810327

Abstract (en)
[origin: US4425877A] A cooling arrangement for liquid-cooled internal combustion engines, with the cooling arrangement including a heat exchanger constructed as a radiator for effecting cooling between air and a coolant liquid. The cooling arrangement includes a housing accommodating a thermostat with a mixing chamber, defined in the housing, being connected with a return flow coolant tank. The thermostat is adapted to provide for temperature dependent regulated portions of cooled and uncooled liquid coolant flowing into the mixing chamber. The housing of the thermostat, a bypass connection piece, and an outlet connection of the housing are molded, in one piece to the return flow coolant tank of the heat exchanger. A lid or cover provided with recesses as well as window-like openings formed in a portion of the housing form an inside connection between the return flow coolant tank and the mixing chamber with the connection being controlled by a radiator valve disk of a thermostat insert of the thermostat.

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IPC 8 full level
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CPC (source: EP US)
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Citation (examination)
• DE 3117543 A1 19820218 - VALEO [FR]
• FR 2481791 A1 19811106 - FERODO SA [FR]

Cited by
FR2736385A1; EP0563529A3; FR3105982A1; EP0364363A1; FR2637971A1; US4995449A; WO2021139980A1

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