

Title (en)

Cooling device for a liquid-cooled internal combustion engine of a motor vehicle

Title (de)

Kühlvorrichtung für einen flüssigkeitsgekühlten Verbrennungsmotor eines Kraftfahrzeuges

Title (fr)

Dispositif de refroidissement pour moteur à combustion interne refroidi par liquide d'un véhicule automobile

Publication

**EP 0644320 B1 19970312 (DE)**

Application

**EP 94108812 A 19940608**

Priority

DE 4332101 A 19930922

Abstract (en)

[origin: EP0644320A1] In a cooling device for a liquid-cooled internal combustion engine (10) of a motor vehicle with a radiator (11) connected to the feed and return line (13, 14) of the internal combustion engine (10), which radiator has a filler opening (E) closable by a cap (D), and with a temperature-controlled thermostat valve (15), by means of which the coolant is wholly or partially led through the radiator (11) or bypasses the radiator (11) through a short circuit (16) between the feed and return line (13, 14), the thermostat valve (15) can be controlled by electrical heating and an electrical switch (S) is mounted at the filler opening (E), through the actuation of which switch the thermostat valve (15) is electrically heated, so that the coolant is at least partially led through the radiator (11). <IMAGE>

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IPC 8 full level

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CPC (source: EP US)

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