

Title (en)

METHOD AND DEVICE FOR COOLING A MOTOR VEHICLE ENGINE

Title (de)

VERFAHREN UND EINRICHTUNG ZUR KÜHLUNG EINER BRENNKRAFTMASCHINE EINES KRAFTFAHRZEUGS

Title (fr)

PROCEDE ET DISPOSITIF DE REFROIDISSEMENT D'UN MOTEUR DE VEHICULE AUTOMOBILE

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Application

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Abstract (en)

[origin: WO0169056A1] The invention concerns a method for cooling a motor vehicle engine, which consists in regulating the volume and the flow rate of a coolant in a hydraulic circuit (2) provided with a branch pipe (4) equipped with an actuator (14) electronically monitored and provided with means (9) forming a radiator. The method comprises a first step which consists in determining the temperature (T) of the coolant, a step which consists in comparing said temperature with a predetermined threshold temperature (T2) from which the engine is said to be hot , and, when the temperature (T) of the fluid is higher than the threshold temperature (T2), the flow rate in the radiator branch pipe (4) is regulated so as to maintain the temperature (T) of the coolant around a predetermined setpoint value (Tc). The invention is characterised in that the curve representing the opening (O) of the thermostat valve (4) based on the temperature (T) of the coolant exhibits hysteresis (h1, h2) around the setpoint temperature (Tc1, Tc2), so as to adjust the temperature (T) of the coolant to the setpoint temperature (Tc1, Tc2). The invention also concerns a device for cooling a motor vehicle engine.

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IPC 8 full level

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