

Title (en)

METHOD FOR REGULATING HEAT IN AN INTERNAL COMBUSTION ENGINE

Title (de)

VERFAHREN ZUR WÄRMEREGULIERUNG EINER BRENNKRAFTMASCHINE

Title (fr)

PROCEDE DE REGULATION THERMIQUE D'UN MOTEUR A COMBUSTION INTERNE

Publication

**EP 0993546 A1 20000419 (DE)**

Application

**EP 98938667 A 19980627**

Priority

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- EP 9803945 W 19980627

Abstract (en)

[origin: DE19728351A1] The invention relates to a method for regulating the heat of an internal combustion engine in motor vehicles with electrically controllable devices designed to convey cooling or heating agents and to adjust the volumetric flow thereof. Temperature sensors at several points on the internal combustion engine generate temperature-dependent signals which are processed by means of at least one microprocessor into adjustment signals for the devices. According to the invention, in addition to temperatures of cooling and heating agents, critical temperature components and/or output characteristics of the internal combustion engine are detected and taken into account during regulation, specifically relating to heat behavior. This enables quick regulation response to heat, wherein warm-up times are shortened and optimal operational temperature times are extended.

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IPC 8 full level

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Citation (search report)

See references of WO 9901650A1

Cited by

DE10230941B4; FR2817287A1; DE10058374B4

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**DE 19728351 A1 19990107**; **DE 19728351 B4 20040722**; DE 59802355 D1 20020117; EP 0993546 A1 20000419; EP 0993546 B1 20011205; JP 2000512364 A 20000919; JP 3785510 B2 20060614; US 6343572 B1 20020205; WO 9901650 A1 19990114

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