

Title (en)

COOLING FLUID TEMPERATURE INDICATING DEVICE IN LIQUID-COOLED INTERNAL-COMBUSTION ENGINES

Publication

EP 0257343 B1 19900718 (DE)

Application

EP 87111090 A 19870731

Priority

DE 3627511 A 19860813

Abstract (en)

[origin: EP0257343A2] 1. A coolant temperature indicator device in liquid-cooled internal combustion engines, having a coolant temperature sensor which displays a predetermined electrical signal, such as a voltage, resistance and/or switch signal, in dependence upon at least one predetermined temperature value of the coolant, having a coolant temperature indicator formed as a pointer instrument which reproduces the signal of the temperature sensor as an optical temperature indication value, and having a switch device which is connected to the indicator in such a way that the latter effects an indicated value differing from the indicated value effected by the signal value of the coolant temperature sensor, characterised in that an electronic programme control device is connected as a switch device between the coolant temperature sensor and the coolant temperature indicator, which programme control device evaluates the signal values of the coolant temperature sensor and connects to the pointer instrument, in the range of the normal working temperature of the coolant, a signal value remaining at least approximately constant for a mean normal working temperature indication value.

IPC 1-7

B60R 16/02; **F01P 11/16**; **F02B 77/08**

IPC 8 full level

B60R 16/02 (2006.01); **F01P 11/16** (2006.01); **F02B 77/08** (2006.01)

CPC (source: EP)

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EP 0257343 A2 19880302; **EP 0257343 A3 19890301**; **EP 0257343 B1 19900718**; **EP 0257343 B2 19931201**; DE 3627511 A1 19880218; DE 3763782 D1 19900823; ES 2016600 B3 19901116

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