

Title (en)

METHOD FOR PROTECTING A COOLANT CIRCUIT OF AN ENGINE AGAINST AN INTERNAL OVERPRESSURE

Title (de)

VERFAHREN ZUM SCHUTZ EINES KÜHLFLÜSSIGKEITSKREISLAUFS EINES MOTORS GEGEN INNENÜBERDRUCK

Title (fr)

PROCEDE DE PROTECTION D'UN CIRCUIT DE FLUIDE DE REFROIDISSEMENT D'UN MOTEUR CONTRE UNE SURPRESSION INTERNE ET CIRCUIT DE FLUIDE DE REFROIDISSEMENT ASSOCIE

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Application

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Abstract (en)

[origin: WO2017134368A1] The invention relates to a method for protecting a coolant circuit of an engine (5) against an internal overpressure in an outlet casing (3) supplied with fluid at the outlet of the engine (5) and comprising at least three outlets (31 to 34) respectively to a radiator (4), a unit heater (1) and a return to the engine (5), the flow of fluid to the engine (5) being interrupted on exceeding a first fluid temperature, termed the regulation temperature, and the flow of fluid to the unit heater (1) being interrupted on exceeding a second fluid temperature (T2) greater than the first, in order that all the fluid leaving the casing (3) is fed to the radiator (4). Above the second temperature (T2), when the pressure (Pb) prevailing in the casing (3) is greater than a maximum permissible pressure (Pmaxadmi), a part of the flow to the radiator (4) is diverted to the unit heater (1).

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2017134368A1

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