

Title (en)

SYSTEM AND METHOD FOR CONTROLLING THE COOLING CIRCUIT OF AN INTERNAL-COMBUSTION ENGINE

Title (de)

SYSTEM UND VERFAHREN ZUR STEUERUNG DES KÜHLKREISLAUFS EINES VERBRENNUNGSMOTORS

Title (fr)

SYSTÈME ET PROCÉDÉ DE COMMANDE DU CIRCUIT DE REFROIDISSEMENT D'UN MOTEUR A COMBUSTION INTERNE

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Application

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Abstract (en)

[origin: WO2011051618A1] The invention relates to a method, during cold starting, for controlling a cooling circuit containing a heat-transfer fluid for an internal-combustion engine (i) installed in an automobile, the cooling circuit being provided, downstream from the internal-combustion engine (i), with a means (5) for interrupting the flow suitable for creating a discontinuity in the flow of heat-transfer fluid, initially in the off position, characterised in that said method includes the following steps, which involve: determining a typical temperature for the thermal condition of a specific area of the internal-combustion engine by means of applying a model according to the temperature inside the internal-combustion engine; and switching the means (5) for interrupting the flow into the on position if the typical temperature for the thermal condition of the specific area of the internal-combustion engine is higher than a maximum temperature.

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