

Title (en)

ENGINE DRIVEN UNIT WITH A PRESSURIZATION SYSTEM OF A COOLING CIRCUIT OF AN INTERNAL COMBUSTION ENGINE

Title (de)

MOTORBETRIEBENE EINHEIT MIT EINEM DRUCKERZEUGUNGSSYSTEM EINES KÜHLKREISLAUFS EINES VERBRENNUNGSMOTORS

Title (fr)

UNITE ENTRAINEE PAR UN MOTEUR AVEC UN SYSTEME DE PRESSURISATION D'UN CIRCUIT DE REFROIDISSEMENT D'UN MOTEUR A COMBUSTION INTERNE

Publication

EP 2927457 A1 20151007 (EN)

Application

EP 14163018 A 20140401

Priority

EP 14163018 A 20140401

Abstract (en)

The invention is related to a pressurization system (10) of a cooling circuit of an internal combustion engine installed in an engine driven unit, comprising a coolant tank (14) integrated into the cooling circuit, a pressure source (12) comprising a pump (13), a pressurization line (16) connecting the pressure source (12) and the coolant tank (14) for pressurizing the coolant tank (14), and a control unit (20) for controlling the operation of the pump (13). The invention is characterized in that the pressurization system (10) further comprises at least one pressure sensor (24) disposed to detect a pressure within the cooling circuit, wherein the pressure sensor (24) is connected to the control unit (20) to communicate pressure data representing the detected pressure to the control unit (20), and the control unit (20) comprises a data interface (30) for receiving status data representing an operation state of the engine driven unit unit, and the control unit (20) is provided to control the operation of the pump (13) so as to regulate the pressure within the cooling circuit to a pressure level that is determined on the present status data received via the data interface (30).

IPC 8 full level

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CPC (source: EP)

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Citation (applicant)

DE 102007058575 B4 20130801 - MAN TRUCK & BUS AG [DE]

Citation (search report)

- [X] DE 102011108007 A1 20130124 - DAIMLER AG [DE]
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- [X] DE 102009018012 A1 20101021 - DAIMLER AG [DE]
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- [X] WO 2008097166 A1 20080814 - VOLVO LASTVAGNAR AB [SE], et al
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Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

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DOCDB simple family (application)

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