

Title (en)

Pressurization system of a cooling circuit of a utility vehicle

Title (de)

Druckbeaufschlagungssystem eines Kühlkreislaufes eines Nutzfahrzeuges

Title (fr)

Système de pressurisation d'un circuit de refroidissement d'un véhicule utilitaire

Publication

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Application

EP 14163015 A 20140401

Priority

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Abstract (en)

[origin: EP2927455A1] The invention relates to a pressurization system (10, 100) of a cooling circuit of a utility vehicle, comprising a coolant tank (14), a pressure source (12) and a pressurization line (16) connecting the pressure source (12) and the coolant tank (14) and comprising a first pressure limiting valve (18), a solenoid valve (20) arranged in line with the first pressure limiting valve (18) and control means (42) for controlling the operation state of the solenoid valve (20) dependent on an operation state of the vehicle. The solenoid valve (20) is disposed between the first pressure limiting valve and (18) the coolant tank (14) as a 3/2-way valve comprising a first port (22) communicating with the first pressure limiting valve (18), a second port (32) communicating with the coolant tank (14), and a third port (36) communicating with a second pressure limiting valve (40, 104), wherein the first port (22) and second port (32) are flow connected in the activated state of the solenoid valve (20), and the third port (36) and second port (32) are flow connected in the deactivated state of the solenoid valve (20).

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