Title (en)

COOLING SYSTEM FOR A VEHICLE DRIVEN BY A COMBUSTION ENGINE

Title (de)

KÜHLSYSTEM FÜR EIN VON EINEM VERBRENNUNGSMOTOR ANGETRIEBENES FAHRZEUG

Title (fr)

SYSTÈME DE REFROIDISSEMENT POUR VÉHICULE ENTRAÎNÉ PAR UN MOTEUR À COMBUSTION

Publication

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Application

EP 09808460 A 20090817

Priority

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Abstract (en)

[origin: WO2010021587A1] The present invention relates to a cooling system in a vehicle (1) powered by a combustion engine (2). The cooling system comprises a first line circuit (4) for cooling the combustion engine (2) and a second line circuit (5) which receives coolant from the first line circuit (4) for cooling at least one medium in a heat exchanger (14a, 14b). The second line circuit (5) comprises a line (5b) with an extra radiator (9) and a bypass line (5c) with a valve means (12) by which it is possible to distribute the coolant flow between the parallel lines (5b, 5c). A control unit (13) is adapted to controlling the valve means (12) so that it leads at least a major part of the coolant through the line (5b) with the extra radiator (9) when there is need for extra cooling of the medium in the heat exchanger (14a, 14b) and so that it leads at least a major part of the coolant through the bypass line (5c) when there is no need for extra cooling of the medium in the heat exchanger (14a, 14b).

IPC 8 full level

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