

Title (en)

COOLING CIRCUIT FOR THE THERMAL ENGINE OF AN AUTOMOTIVE VEHICLE

Title (de)

KÜHLKREISLAUF FÜR DEN VERBRENNUNGSMOTOR EINES KRAFTFAHRZEUGS

Title (fr)

CIRCUIT DE REFROIDISSEMENT D'UN MOTEUR THERMIQUE DE VEHICULE AUTOMOBILE

Publication

EP 2066884 A1 20090610 (FR)

Application

EP 06831227 A 20060922

Priority

FR 2006050939 W 20060922

Abstract (en)

[origin: WO2008034959A1] The invention relates to a cooling circuit for the thermal engine of an automotive vehicle, including a main loop (1) that comprises a first exchanger (2) for collecting the heat from a first heat source, a first radiator (3) and a pump (4) connected in series by ducts (5, 6, 7, 8) for the circulation of a cooling liquid, the temperature of said cooling liquid being kept under normal operation conditions at a temperature (T1) lower than or equal to a predetermined threshold value (T0), characterised in that it comprises a first bypass (11) of the main loop (1) in parallel relative to said first radiator (3), said first bypass (11) comprising sequentially, in the circulation direction of the cooling liquid, a second exchanger (12) for collecting the heat from a second heat source and a second radiator (13) connected in series by ducts (15-18) for the circulation of said cooling liquid, the temperature of said cooling liquid at the outlet of said second exchanger (12) being set, under normal operation conditions, at a temperature (T2) higher than or equal to the predetermined threshold value (T0).

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2008034959A1

Cited by

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