

Title (en)

Cooling system for an internal combustion engine.

Title (de)

Kühlungsanlage für eine Brennkraftmaschine.

Title (fr)

Système de refroidissement pour un moteur à combustion interne.

Publication

EP 0670414 A1 19950906 (FR)

Application

EP 95400428 A 19950228

Priority

FR 9402314 A 19940301

Abstract (en)

The liquid cooling system for an internal combustion engine (2) fitted to a vehicle includes an internal circuit (12) passing through the engine block, a main liquid/air heat exchanger (4) and a pump (3) circulating the liquid. A further branch of the circuit (14) serves an alternator (9) driven by the engine. This branch draws off some of the liquid leaving the engine block (2) and passes it through the alternator to be returned to the pipe which feeds liquid into the engine block. An auxiliary liquid/air heat exchanger is provided in this branch upstream of the alternator to ensure a supply of cooled liquid to the alternator. The flow in the branch circuit is controlled by a thermostat.

Abstract (fr)

Système de refroidissement par liquide pour moteur à combustion interne (2) équipant un véhicule automobile, comportant un circuit interne (12) traversant le bloc moteur (2), un échangeur de chaleur principal (4) du type liquide/air et une pompe (3) entraînant le liquide, caractérisé en ce qu'il comprend un circuit de refroidissement dérivé (14) desservant un alternateur (9) entraîné par le moteur (2) par lequel le liquide de refroidissement introduit dans l'alternateur (9) est prélevé en sortie du circuit interne (12) du bloc moteur (2) et est refoulé à l'entrée dudit circuit interne (12).
<IMAGE>

IPC 1-7

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IPC 8 full level

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Citation (search report)

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