

Title (en)

Cooling system for an internal combustion engine of a vehicle with a disconnectable water pump

Title (de)

Kühlanlage für einen Verbrennungsmotor eines Fahrzeugs mit einer abschaltbaren Wasserpumpe

Title (fr)

Système de refroidissement pour un moteur à combustion interne d'un véhicule avec une pompe à eau désactivable

Publication

EP 1529936 B1 20121205 (DE)

Application

EP 04023547 A 20041002

Priority

DE 10351148 A 20031103

Abstract (en)

[origin: EP1529936A1] Cooling arrangement comprises a water pump (1) for pumping a coolant through a circulating cycle of an engine. During the operation of the engine, a thermal condition parameter (5), an operating state of the cabin heater (6), the load on the engine a time parameter (8) and an error storage (9) are monitored. Preferred Features: The water pump is driven by a friction wheel drive (3). The friction wheel drive is mechanically pre-stressed and the water pump can be turned off by an actuator acting on the friction wheel drive. When the actuator has no energy, the water pump is turned on.

IPC 8 full level

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CPC (source: EP)

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