

Title (en)

ARRANGEMENT AND METHOD FOR COOLING OF COOLANT IN A COOLING SYSTEM IN A VEHICLE

Title (de)

ANORDNUNG UND VERFAHREN ZUR KÜHLUNG EINES KÜHLMITTELS IN EINEM KÜHLSYSTEM IN EINEM FAHRZEUG

Title (fr)

DISPOSITIF ET PROCÉDÉ POUR REFROIDISSEMENT D'AGENT DE REFROIDISSEMENT DANS UN SYSTÈME DE REFROIDISSEMENT DANS UN VÉHICULE

Publication

**EP 2795078 A4 20150909 (EN)**

Application

**EP 12860999 A 20121203**

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Abstract (en)

[origin: WO2013095262A1] The present invention relates to an arrangement and method for cooling of coolant in a cooling system in a vehicle. The cooling system comprises a first cooling circuit comprising a first coolant pump (11) to circulate coolant through the first cooling circuit, a first radiator (13) to cool the coolant, and a thermostat (12) which opens to direct coolant to the first radiator (13) when the coolant is above the thermostat's regulating temperature (t2), and a second cooling circuit which comprises a second radiator (20) for cooling of coolant. The cooling system comprises flow means (23, 29) adapted to transferring a portion of coolant from the first cooling circuit to the second cooling circuit so that this portion of the coolant is cooled in the second radiator (20) when the coolant in the first cooling circuit is within a temperature range defined by a lowest temperature (t1) at which the coolant initially needs cooling and a highest temperature which is equal to the thermostat's regulating temperature (t2).

IPC 8 full level

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Citation (search report)

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- [A] WO 03042515 A1 20030522 - VALEO THERMIQUE MOTEUR SA [FR], et al
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- [A] WO 2008080872 A1 20080710 - VALEO ENGINE COOLING AB [SE], et al
- See also references of WO 2013095262A1

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DOCDB simple family (publication)

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