

Title (en)

Control device of the coolant circuit for an internal combustion engine

Title (de)

Vorrichtung zur Regelung des Kühlwasserkreislaufes für einen Verbrennungsmotor

Title (fr)

Dispositif de commande du circuit de l'eau de refroidissement pour un moteur à combustion interne

Publication

EP 0903482 B1 20030423 (DE)

Application

EP 98115482 A 19980818

Priority

- DE 19741861 A 19970923
- US 15919098 A 19980923

Abstract (en)

[origin: EP0903482A2] The device has a bypass (7) with RPM-dependently controlled differential pressure valve (14). The bypass is closed and all the cooling water is passed through the heat conductor (8), during the warming-up phase or in a low engine temperature phase. With higher RPM, the valve opens and frees the bypass. The result is a volumetric division of the cooling water via the bypass and the heat conductor, dependent upon the position of the differential pressure valve.

IPC 1-7

F01P 7/16

IPC 8 full level

F01P 7/16 (2006.01); **F01P 7/14** (2006.01)

CPC (source: EP US)

F01P 7/165 (2013.01 - EP US); **F01P 2007/146** (2013.01 - EP US); **F01P 2060/08** (2013.01 - EP US)

Cited by

EP1293651A3; DE10052328A1; FR3079559A1; EP2816207A3; FR2944321A1; FR3047514A1; WO2017134368A1

Designated contracting state (EPC)

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EP 0903482 A2 19990324; **EP 0903482 A3 19990407**; **EP 0903482 B1 20030423**; DE 19741861 A1 19990401; DE 19741861 B4 20040722; DE 59808027 D1 20030605; ES 2196441 T3 20031216; US 6109218 A 20000829

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