

Title (en)

METHOD FOR ADJUSTING COOLANT TEMPERATURE IN AN INTERNAL COMBUSTION ENGINE

Title (de)

VERFAHREN ZUM REGELN DER KÜHLMITTELTEMPERATUR EINER BRENNKRAFTMASCHINE

Title (fr)

PROCEDE POUR REGULER LA TEMPERATURE DU LIQUIDE DE REFROIDISSEMENT D'UN MOTEUR A COMBUSTION INTERNE

Publication

**EP 1387933 A1 20040211 (DE)**

Application

**EP 02742709 A 20020430**

Priority

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- DE 10123444 A 20010514

Abstract (en)

[origin: WO02092975A1] A method for adjusting coolant temperature in an internal combustion engine (2), whereby the coolant circuit thereof contains an electrically driven coolant pump (3) and an electrically controllable bypass valve (4). If the setpoint value of the coolant temperature changes in an abrupt manner, the rotating speed of the coolant pump (3) rises during a short interval in order to reduce the dead time required for adjustment. A Smith controller, which takes into account dead times of the system, is used to regulate the bypass valve

IPC 1-7

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IPC 8 full level

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CPC (source: EP US)

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