

Title (en)

Control system for controlling a vehicle engine cooling system

Title (de)

Regelsystem zur Regelung eines Kühlungssystems einer Brennkraftmaschine eines Kraftfahrzeugs

Title (fr)

Système de commande pour commander un système de refroidissement d'un moteur à combustion interne de véhicule

Publication

EP 1405992 A1 20040407 (EN)

Application

EP 03022279 A 20031001

Priority

IT TO20020852 A 20021002

Abstract (en)

The system has a closed-loop control system (14) receiving a reference signal T_{des} related to a desired operating temperature of an engine and a signal T_{mis} related to a measured temperature of the engine. The system (14) generates a component P (cl loop) of a drive signal. An open-loop control system receiving T_{des} generates a component P (op loop) of the drive signal using an inverse engine-radiator thermal system model.

IPC 1-7

F01P 7/16

IPC 8 full level

F01P 7/16 (2006.01)

CPC (source: EP)

F01P 7/167 (2013.01); **F01P 2023/00** (2013.01); **F01P 2025/46** (2013.01); **F01P 2025/60** (2013.01); **F01P 2025/64** (2013.01); **F01P 2025/66** (2013.01)

Citation (search report)

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- [A] US 5758607 A 19980602 - BRENDDEL UWE [DE], et al
- [PA] DE 10123444 A1 20021128 - SIEMENS AG [DE]
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- [A] PATENT ABSTRACTS OF JAPAN vol. 0176, no. 86 (M - 1529) 15 December 1993 (1993-12-15)

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CN114991934A; DE102007003245B4

Designated contracting state (EPC)

AT DE ES FR GB

DOCDB simple family (publication)

EP 1405992 A1 20040407; **EP 1405992 B1 20080130**; AT E385284 T1 20080215; DE 60318926 D1 20080320; DE 60318926 T2 20090122; ES 2298456 T3 20080516; IT TO20020852 A1 20040403

DOCDB simple family (application)

EP 03022279 A 20031001; AT 03022279 T 20031001; DE 60318926 T 20031001; ES 03022279 T 20031001; IT TO20020852 A 20021002