Title (en)

Method for controlling a coolant pump of an internal combustion engine

Title (de)

Verfahren zur Steuerung einer Kühlmittelpumpe einer Brennkraftmaschine

Title (fr)

Procédé de commande d' une pompe de refroidissement d' un moteur à combustion interne

Publication

EP 0893582 A3 20000105 (DE)

Application

EP 98890207 A 19980716

Priority

AT 125197 A 19970723

Abstract (en)

[origin: EP0893582A2] The method involves controlling a coolant pump of a combustion engine, whereby a heat quantity to be conducted is determined from at least one motor operating parameter, and a pulse width modulation of a control signal for a nominal number of revolutions of the coolant pump is produced in dependence on the heat quantity. The signal is examined for errors through comparisons with a predefined nominal signal range. If an error of the signal is determined, an emergency program for the coolant pump is performed, otherwise the number of revolutions of the coolant pump is regulated in response to the produced signal.

IPC 1-7

F01P 5/14; F01P 7/16

IPC 8 full level

F01P 5/14 (2006.01); **F01P 7/16** (2006.01); **F04D 15/00** (2006.01)

CPC (source: EP US)

F01P 5/14 (2013.01 - EP US); **F01P 7/164** (2013.01 - EP US); **F04D 15/0066** (2013.01 - EP US); **F04D 15/0077** (2013.01 - EP US); F01P 2031/36 (2013.01 - EP US)

Citation (search report)

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DOCDB simple family (application)

EP 98890207 A 19980716; AT 80192006 A 19980716; AT 98890207 T 19980716; DE 59806097 T 19980716; ES 98890207 T 19980716; US 42931899 A 19991028