

Title (en)

Cooling system and thermostat device for motor vehicle

Title (de)

Kühlsystem und Thermostat-Vorrichtung für ein Motorfahrzeug

Title (fr)

Système de refroidissement et dispositif de thermostat pour véhicule à moteur

Publication

EP 2037097 A2 20090318 (EN)

Application

EP 08163515 A 20080902

Previously filed application

0702016 20070911 SE

Priority

SE 0702016 A 20070911

Abstract (en)

The present invention relates to a cooling system for a motor vehicle comprising a cooling circuit (2) for cooling the vehicle's engine (100) by means of a cooling medium flowing in the cooling circuit, which cooling system comprises a radiator (20) for cooling the cooling medium, means (30) for circulating the cooling medium in the cooling circuit, a thermostat device (40) comprising a valve device (52) situated downstream of the engine, and at least one thermal element (54) which is connected to the valve device and adapted to detecting the temperature of the cooling medium in order on the basis thereof to direct the cooling medium through the radiator (20) and/or through a bypass line (8) past the radiator, the at least one thermal element (54) being situated upstream of the engine (100). The invention relates also to a thermostat device for a cooling system of a motor vehicle. The invention relates also to a motor vehicle.

IPC 8 full level

F01P 7/16 (2006.01)

CPC (source: EP SE)

F01P 7/165 (2013.01 - EP SE); **F01P 11/04** (2013.01 - SE); **F01P 2070/04** (2013.01 - EP)

Cited by

JP2014513763A; CN104271915A; US2012103577A1; EP2935822A4; CN104204439A; EP2834491A4; EP2587017A1; CN109844278A; US10125663B2; EP3765773A4; WO2013151486A1; WO2014098711A1; US8833314B2; US10866603B2; US11578641B2; JP2015514186A; WO2012148344A1; WO2018074960A1; WO2013165299A1; WO2016151588A1; WO2019177504A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 2037097 A2 20090318; **EP 2037097 A3 20120201**; **EP 2037097 B1 20181114**; SE 0702016 L 20090312; SE 532354 C2 20091222

DOCDB simple family (application)

EP 08163515 A 20080902; SE 0702016 A 20070911