

Title (en)

System and method for cooling a hybrid vehicle

Title (de)

System und Verfahren zur Kühlung eines Hybridfahrzeugs

Title (fr)

Système et procédé de refroidissement pour véhicule à propulsion hybride

Publication

EP 1197644 B1 20060913 (FR)

Application

EP 01402641 A 20011012

Priority

FR 0013175 A 20001013

Abstract (en)

[origin: EP1197644A1] The internal combustion engine (1) which has a pump (9) and thermostat (10) is cooled by a main radiator (6). The electric motor (2) is cooled on a separate circuit which includes motor electronics (3) and dedicated pump (21) and is switched between the engine and engine connections (7,8) by a multiway valve (16) and control unit (14) such that coolant at the correct flow and temperature is supplied for all vehicle running conditions An Independent claim is also included for the cooling method.

IPC 8 full level

F01P 3/20 (2006.01); **F01P 7/16** (2006.01); **F28D 1/04** (2006.01); **F01P 5/10** (2006.01); **F01P 5/12** (2006.01); **F01P 7/14** (2006.01)

CPC (source: EP)

F01P 3/20 (2013.01); **F01P 7/165** (2013.01); **F28D 1/0408** (2013.01); **F01P 2005/105** (2013.01); **F01P 2005/125** (2013.01); **F01P 2007/146** (2013.01); **F01P 2025/30** (2013.01); **F01P 2025/32** (2013.01); **F01P 2050/24** (2013.01); **F01P 2050/30** (2013.01); **F01P 2060/04** (2013.01); **F01P 2060/045** (2013.01); **F01P 2060/08** (2013.01); **F28D 2021/0094** (2013.01); **F28D 2021/0096** (2013.01)

Cited by

FR2863680A1; CN109578126A; FR2911092A1; FR2849673A1; CN107548432A; RU2705702C2; EP3214285A1; EP3144496A1; CN110332039A; US11035285B2; WO2005059416A1; WO2010049058A3; WO2008087342A3; WO2016184737A1; WO03046342A1; US9604532B2; US10184385B2; WO2024037101A1; US6976505B2; US6923211B2; US6688333B2

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BE DE

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DOCDB simple family (application)

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