

Title (en)

Device for temperature regulation of a combustion engine

Title (de)

Vorrichtung zur Öltemperaturregelung einer Brennkraftmaschine

Title (fr)

Système d'autorégulation de la température de l'huile pour moteur à combustion interne

Publication

EP 1672189 B1 20110427 (FR)

Application

EP 05301039 A 20051212

Priority

FR 0453090 A 20041220

Abstract (en)

[origin: EP1672189A2] The system has a pressure controlling valve (6) controlled by temperature of the oil. The valve has a spring (11) compressed between a stop (12) and a compartment (7) filled with solid wax. The valve is actuated for liberating an orifice (8) when temperature of the oil attains a predefined threshold and pressure level in an oil circuit in downstream of an oil cooler (5) is close but lesser than pressure in a volumetric oil pump (2). An independent claim is also included for an engine equipped with an oil temperature controlling system.

IPC 8 full level

F01M 5/00 (2006.01)

CPC (source: EP)

F01M 5/002 (2013.01)

Cited by

US2013175023A1; CN104039473A; US10197345B2; US10866040B2

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 1672189 A2 20060621; EP 1672189 A3 20100526; EP 1672189 B1 20110427; AT E507373 T1 20110515; DE 602005027651 D1 20110609; FR 2879651 A1 20060623; FR 2879651 B1 20070209

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