Title (en)

OIL TEMPERATURE CONTROL SYSTEM FOR VEHICLES WITH A LIQUID COOLING CIRCUIT AND METHOD THEREFOR

Title (de)

ÖLTEMPERATURSTEUERSYSTEM FÜR FAHRZEUGE MIT EINEM FLÜSSIGKEITSKÜHLKREISLAUF UND VERFAHREN DAFÜR

Title (fr)

SYSTEME DE REGULATION DE LA TEMPERATURE DE L'HUILE POUR VEHICULES EQUIPES D'UN CIRCUIT DE REFROIDISSEMENT DE LIQUIDES, ET PROCEDE CORRESPONDANT

Publication

EP 1653062 A1 20060503 (EN)

Application

EP 04744079 A 20040727

Priority

- IB 2004002425 W 20040727
- ES 200301880 A 20030729

Abstract (en)

It comprises an internal-combustion engine (1), a radiator (2), a coolant liquid for the engine (1), a heat exchanger (3), and a first heat-regulation device (4) for the engine (1). It is characterized in that it comprises a single coolant liquid inlet to the heat exchanger (3) coming from the radiator (2) or from the engine (1), and a second temperature-regulation device (6), controlled by means of the oil temperature at the entry to or at the exit from the exchanger (3), allowing the oil to be heated in a forced-heating step and a natural-heating step, and the oil temperature to be regulated in order to keep it at its ideal operating temperature. The oil-temperature-regulation system is greatly simplified.

IPC 1-7

F01P 7/16; F01M 5/00

IPC 8 full level

F01M 5/00 (2006.01); **F01P 7/16** (2006.01); F01P 7/14 (2006.01)

CPC (source: EP ES)

F01M 5/007 (2013.01 - EP ES); **F01P 7/165** (2013.01 - EP ES); F01P 2007/143 (2013.01 - EP); F01P 2037/02 (2013.01 - EP); F01P 2050/06 (2013.01 - EP); F01P 2060/04 (2013.01 - EP)

Cited by

DE102012110747A1; CN102650225A; FR2904857A1; EP1892389A1; DE102015203648B3; FR3058761A1; EP3064735A1; US9896979B2; DE102016203212A1; US8869940B2; DE202015101010U1

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DOCDB simple family (publication)

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