

Title (en)
COOLING SYSTEM FOR VEHICLES WITH FLUID-COOLED COMBUSTION ENGINE

Title (de)
KÜHLSYSTEM FÜR FAHRZEUGE MIT FLÜSSIGKEITSGEKÜHLTER BRENNKRAFTMASCHINE

Title (fr)
SYSTÈME DE REFROIDISSEMENT POUR VÉHICULES DOTÉS D'UN MOTEUR À COMBUSTION INTERNE REFROIDI PAR DU LIQUIDE

Publication
EP 2169233 B1 20210331 (DE)

Application
EP 09009316 A 20090717

Priority
DE 102008049204 A 20080927

Abstract (en)
[origin: EP2169233A2] The liquid-cooling system has coolant pump (4), where the flow in coolant pump is regulated by a control element. The coolant pump is formed with multiple two-pass, where each two-pass is separated by refrigerant circuits that are associated pump venting (35).

IPC 8 full level
F01P 7/14 (2006.01); **F01P 7/16** (2006.01); **F04D 1/00** (2006.01); **F04D 15/00** (2006.01); **F04D 15/02** (2006.01)

CPC (source: EP)
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Cited by
US9528521B2; WO2015192820A1; DE102010026132A1; EP2455615A3; FR2978207A1; CN103459798A; US2014212267A1; CN103591020A; DE102014009367B3; EP3290713A1; WO2013034126A1; WO2012116676A1

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