

Title (en)
Engine cooling circuit

Title (de)
Kühlmittelkreislauf eines Motors

Title (fr)
Circuit de refroidissement moteur

Publication
EP 2112347 B1 20191009 (FR)

Application
EP 09155629 A 20090319

Priority
FR 0852133 A 20080401

Abstract (en)
[origin: EP2112347A1] The circuit (1) has a cooling liquid outlet case (3) receiving a cooling liquid from an engine i.e. internal combustion engine (2). A cooling radiator (7) receives the liquid from the case. A thermostatic valve (5) closes the flow of the liquid between the case and the radiator. The valve is opened, when the temperature of the liquid in the case exceeds a threshold. A valve opening control controls intermittent opening of the valve, even when the temperature of the liquid in the case is lower than the threshold. An independent claim is also included for a method for controlling a cooling circuit.

IPC 8 full level
F01P 7/16 (2006.01); **F01P 11/02** (2006.01)

CPC (source: EP)
F01P 7/167 (2013.01); **F01P 11/028** (2013.01); **F01P 11/0285** (2013.01); **F01P 2060/02** (2013.01); **F01P 2060/045** (2013.01)

Citation (examination)
JP S5618018 A 19810220 - NISSAN MOTOR

Cited by
FR3088677A1; FR3036135A1; FR3079559A1; FR3085999A1; CN112673156A; FR3051872A1; FR3051871A1; FR3036134A1; FR3002976A1; FR3051873A1; FR3087488A1; CN112955637A; WO2020053492A1; WO2016181052A1; WO2020104735A1; WO2017203116A1; WO2020084203A1

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 MK MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 2112347 A1 20091028; EP 2112347 B1 20191009; FR 2929330 A1 20091002; FR 2929330 B1 20100409

DOCDB simple family (application)
EP 09155629 A 20090319; FR 0852133 A 20080401