Title (en)

COOLING MANAGEMENT FOR AN ENGINE SYSTEM EQUIPPED WITH A PARTIAL EXHAUST GAS RECIRCULATION DEVICE

Title (de)

KÜHLVERWALTUNG FÜR MOTORSYSTEM MIT EINER PARTIELLEN ABGASRÜCKFÜHRUNGSVORRICHTUNG

Title (fr)

GESTION DU REFROIDISSEMENT D'UN SYSTEME DE MOTEUR EQUIPE D'UN DISPOSITIF DE RECIRCULATION PARTIELLE DES GAZ D'ECHAPPEMENT

Publication

EP 2914827 A1 20150909 (FR)

Application

EP 13783038 A 20131024

Priority

• FR 1260398 A 20121031
• EP 2013072221 W 20131024

Abstract (en)

[origin: WO2014067836A1] A method for managing the cooling of an engine system equipped with a partial exhaust gas recirculation device using a cooling circuit comprising a hybrid circuit with a first and second loop for the circulation of heat transfer fluid for cooling a unit heater and an engine respectively, and a third loop for circulating heat-transfer fluid for cooling the partial exhaust gas recirculation device, the method involving: receiving (201) at least one value of a parameter relating to the engine system (TM, state_EGR, pedal_pos, engine_speed), formulating (202, 203, 204) a control signal for the third loop (S) dependent on said at least one value received, so as to reduce the cooling of the partial exhaust gas recirculation device, and sending (205) the control signal to the third loop so as to adapt the cooling to the engine system situation.

IPC 8 full level

F01P 7/16 (2006.01); **F01P 5/10** (2006.01)

CPC (source: CN EP)

F01P 7/165 (2013.01 - CN EP); F01P 2005/105 (2013.01 - CN EP); F01P 2025/60 (2013.01 - CN EP); F01P 2060/08 (2013.01 - CN EP)

Citation (search report)

See references of WO 2014067836A1

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

FR 2997448 A1 20140502; **FR 2997448 B1 20181109**; CN 104769248 A 20150708; CN 104769248 B 20190426; EP 2914827 A1 20150909; EP 2914827 B1 20220824; WO 2014067836 A1 20140508

DOCDB simple family (application)

FR 1260398 A 20121031; CN 201380056061 A 20131024; EP 13783038 A 20131024; EP 2013072221 W 20131024