

Title (en)
COOLING SYSTEM FOR AN ENGINE

Title (de)
KÜHLSYSTEM FÜR EINEN MOTOR

Title (fr)
SYSTÈME DE REFROIDISSEMENT POUR MOTEUR

Publication
EP 2578838 A1 20130410 (EN)

Application
EP 11183658 A 20111003

Priority
EP 11183658 A 20111003

Abstract (en)
A cooling system for a vehicle engine (1) comprises an expansion tank (2), a water pump (3) and a radiator (4), wherein the water pump (3) is connected upstream the engine (1) and downstream the radiator (4). The engine (1) further comprises a second coolant outlet (5) connected to a cabin heater (6) and an air relief valve (7) connected downstream said second coolant outlet (5) and upstream said cabin heater (6) on the cabin heater pipe (8). The air relief valve (7) is connected to the expansion tank (2) with a degas line (9), the expansion tank outlet (10) is connected upstream the water pump (3).

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

CPC (source: EP)
F01P 11/028 (2013.01); **F01P 11/0285** (2013.01); **F01P 7/165** (2013.01); **F01P 2060/08** (2013.01)

Citation (search report)

- [Y] FR 2317489 A1 19770204 - CITROEN SA [FR]
- [Y] US 3877443 A 19750415 - HENNING RICHARD, et al
- [Y] JP 2004116474 A 20040415 - MITSUBISHI AUTO ENG, et al

Cited by
CN115163287A; CN104265436A; CN105971716A

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

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BA ME

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