

Title (en)
Cooling system of a motor car

Title (de)
Kühlsystem eines Kraftfahrzeuges

Title (fr)
Système de refroidissement d'un véhicule automobile

Publication
EP 1338771 A3 20040324 (DE)

Application
EP 03003000 A 20030212

Priority
DE 10207766 A 20020223

Abstract (en)
[origin: EP1338771A2] Cooling system (1) comprises a cooling module (coolant radiator (2)) connected to an internal combustion engine (5) and a compensator reservoir (6). The cooling module has in its lower region a water box with an outlet (4) indirectly supplying the engine with coolant. Coolant is additionally indirectly fed to the engine from the compensator reservoir and/or a heat exchanger (7) via at least one inlet line (11, 12), which passes through the water box and opens into its outlet. The inlet line of the compensator reservoir and/or the heat exchanger is connected to the water box of the cooling module at the front of the vehicle and opens into an end-side region of the outlet.

IPC 1-7
F01P 3/20; **F01P 11/02**

IPC 8 full level
F01P 3/20 (2006.01); **F01P 11/02** (2006.01)

CPC (source: EP)
F01P 3/20 (2013.01); **F01P 11/029** (2013.01); **F01P 2060/08** (2013.01)

Citation (search report)

- [X] US 5666911 A 19970916 - GOHL HANS-DIETER [DE], et al
- [X] DE 4106297 A1 19920903 - BEHR GMBH & CO [DE]
- [A] EP 0693617 A1 19960124 - VALEO MOTORKUEHLSYSTEME GMBH [DE]
- [A] DE 4328448 A1 19950302 - BEHR GMBH & CO [DE], et al
- [DA] DE 3245527 A1 19840614 - MASCHF AUGSBURG NUERNBERG AG [DE]

Cited by
EP2282130A3

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)
EP 1338771 A2 20030827; **EP 1338771 A3 20040324**; **EP 1338771 B1 20080326**; DE 10207766 A1 20030904; DE 50309440 D1 20080508

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