

Title (en)

COOLING SYSTEM FOR A MOTOR VEHICLE

Title (de)

KÜHLSYSTEM FÜR EIN KRAFTFAHRZEUG

Title (fr)

SYSTEME DE REFROIDISSEMENT POUR VEHICULE AUTOMOBILE

Publication

EP 1348070 A1 20031001 (DE)

Application

EP 01271805 A 20011121

Priority

- DE 0104356 W 20011121
- DE 10065003 A 20001223

Abstract (en)

[origin: WO02052132A1] The invention relates to a cooling system for a motor vehicle, comprising at least one coolant pump (30), which is provided for circulating a coolant in the cooling system, and a main cooler (10), which has at least one main cooler inlet (11) and at least one main cooler outlet (12). The main cooler inlet (11) is connected at least temporarily to a coolant outlet (24) of a combustion engine to be cooled (20), while the main cooler outlet (12) is connected to a coolant inlet (23) of said combustion engine (20). According to the invention, at least one first aggregate (60, 80) to be cooled is connected parallel to the combustion engine and/or the main cooler (10).

IPC 1-7

F01P 7/16; F01P 3/20

IPC 8 full level

F01M 5/00 (2006.01); **F01P 3/18** (2006.01); **F01P 3/20** (2006.01); **F01P 5/12** (2006.01); **F01P 7/16** (2006.01); **F01P 7/14** (2006.01)

CPC (source: EP KR US)

F01P 3/20 (2013.01 - EP KR US); **F01P 7/165** (2013.01 - EP US); **F01P 7/164** (2013.01 - EP US); **F01P 2003/182** (2013.01 - EP US);
F01P 2007/146 (2013.01 - EP US); **F01P 2025/46** (2013.01 - EP US); **F01P 2050/24** (2013.01 - EP US); **F01P 2050/30** (2013.01 - EP US);
F01P 2060/04 (2013.01 - EP US); **F01P 2060/185** (2013.01 - EP US)

Citation (search report)

See references of WO 02052132A1

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

WO 02052132 A1 20020704; DE 10065003 A1 20020704; EP 1348070 A1 20031001; JP 2004515715 A 20040527;
KR 20020081326 A 20021026; US 2002189800 A1 20021219

DOCDB simple family (application)

DE 0104356 W 20011121; DE 10065003 A 20001223; EP 01271805 A 20011121; JP 2002553000 A 20011121; KR 20027010531 A 20020814;
US 20349002 A 20020809