

Title (en)
Multi chamber coolant tank

Title (de)
Mehrkammer-Kühlmittel tank

Title (fr)
Réservoir de réfrigérant à plusieurs chambres

Publication
EP 2221462 A1 20100825 (EN)

Application
EP 10250121 A 20100125

Priority
US 37122309 A 20090213

Abstract (en)
A coolant tank for receiving a fluid from the cooling system of an internal combustion engine includes a pressurized tank having a pressurized reservoir configured to contain the fluid and an overflow tank integrated with the pressurized tank. The pressurized reservoir includes an inlet port configured to receive the fluid from the cooling system, an outlet port configured to direct the fluid from the pressurized reservoir to the cooling system, a fill neck in fluid communication with the pressurized reservoir, and a pressure cap removably coupled to the fill neck. The overflow tank includes an overflow reservoir maintained at atmospheric pressure and configured to receive overflow fluid from the pressurized reservoir when the liquid of the cooling system expands. At least a portion of the fill neck is positioned within the overflow reservoir.

IPC 8 full level
F01P 11/02 (2006.01)

CPC (source: EP US)
F01P 11/029 (2013.01 - EP US); **F01P 11/02** (2013.01 - EP US); **F01P 11/0204** (2013.01 - EP US); **F01P 11/0238** (2013.01 - EP US); **F01P 11/0276** (2013.01 - EP US)

Citation (search report)

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FR3000939A1; FR3000940A1; US9759123B2; WO2014111640A1

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 SM TR

Designated extension state (EPC)
AL BA RS

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