

Title (en)

Coolant collector with liquid separator

Title (de)

Kältemittelsammler mit Flüssigkeitsabscheider

Title (fr)

Collecteur de moyen de refroidissement doté d'un séparateur de liquide

Publication

EP 2136163 B1 20120815 (DE)

Application

EP 09007514 A 20090608

Priority

DE 102008028852 A 20080619

Abstract (en)

[origin: EP2136163A1] The coolant collector (1) has a liquid separator (7) for a coolant circuit, particularly for a vehicle air conditioner. A container (2) is provided for receiving the coolant, a coolant inlet (4) and a coolant outlet (5). The liquid separator has a deflector surface and a lateral area on which two thread-like guide surfaces (8) are arranged. The guide surfaces are formed as three-start screw surfaces. The container has a cylindrical internal wall with an internal diameter. An annular gap (9) is left between the internal and external diameters.

IPC 8 full level

F25B 43/00 (2006.01)

CPC (source: EP)

F25B 43/006 (2013.01); **F25B 2400/02** (2013.01); **F25B 2400/03** (2013.01); **F25B 2500/01** (2013.01)

Cited by

JP2012233664A; JP2012132608A; CN108759203A; WO2023128458A1; WO2019107011A1

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 TR

DOCDB simple family (publication)

EP 2136163 A1 20091223; EP 2136163 B1 20120815; DE 102008028852 A1 20091224

DOCDB simple family (application)

EP 09007514 A 20090608; DE 102008028852 A 20080619