

Title (en)

COLLECTING TANK FOR A MULTIPLE-ROW HEAT EXCHANGER

Title (de)

SAMMELKASTEN FÜR EINEN MEHRREIHIGEN WÄRMETAUSCHER

Title (fr)

BAC COLLECTEUR POUR UN ECHANGEUR DE CHALEUR A PLUSIEURS RANGEES

Publication

EP 1774243 A1 20070418 (DE)

Application

EP 05768961 A 20050725

Priority

- EP 2005008069 W 20050725
- DE 102004036022 A 20040723

Abstract (en)

[origin: WO2006010581A1] The invention relates to a collecting tank (1), especially for a heat exchanger (1) pertaining to a motor vehicle cooling installation. Said collecting tank comprises a tank element (3) consisting of at least two collecting regions (4) for receiving the fluid, said receiving regions being embodied together as a single component and outwardly sealed by means of a sealing element, and a bottom (5; 65; 75) for closing said collecting regions (4) of the tank element (3). A sealing arrangement (6) is provided between the tank element (3) and the bottom (5; 65; 75), between two adjacent collecting regions (4), said sealing arrangement (6) comprising exactly one sealing element (7; 67; 77) which, in addition to sealing between the two collecting regions (4), is also used to seal the arrangement towards the outside. Said sealing element (7; 67; 77) is preferably arranged in a plane in the collecting tank (2; 62; 72), especially in a continuous channel (8; 68; 78).

IPC 8 full level

F28F 9/02 (2006.01); **F28D 1/04** (2006.01); **F28D 1/053** (2006.01)

CPC (source: EP US)

F28D 1/0435 (2013.01 - EP US); **F28D 1/05383** (2013.01 - EP US); **F28F 9/0204** (2013.01 - EP US); **F28F 9/0226** (2013.01 - EP US); **F28F 2009/0287** (2013.01 - EP US); **F28F 2280/04** (2013.01 - EP US)

Citation (search report)

See references of WO 2006010581A1

Cited by

CN102455087A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

DE 102004036022 A1 20060216; EP 1774243 A1 20070418; US 2007277956 A1 20071206; US 7832463 B2 20101116; WO 2006010581 A1 20060202

DOCDB simple family (application)

DE 102004036022 A 20040723; EP 05768961 A 20050725; EP 2005008069 W 20050725; US 63270805 A 20050725