

Title (en)

SEALING CAP FOR A MOTOR VEHICLE RADIATOR

Title (de)

VERSCHLUSSDECKEL FÜR KRAFTFAHRZEUGKÜHLER

Title (fr)

BOUCHON DE FERMETURE POUR RADIATEUR DE VEHICULE

Publication

EP 1303686 A1 20030423 (DE)

Application

EP 01949468 A 20010705

Priority

- DE 20012722 U 20000722
- EP 0107700 W 20010705

Abstract (en)

[origin: US2003185276A1] A pressure cap (10) for a fixed neck of an automobile radiator is provided with an outer cap component (16) and with an inner cap component (15) which has a flow connection between the inside and the outside of the tank and a valve arrangement (11) for releasing and blocking the flow connection. An object of the invention is to allow the bias of the pressure-relief valve body to be adjustable while the temperature inside the tank can be measured directly and the action of the pressure-relief/vacuum valve body (12) remains constant, it is provided that the bias with which the pressure-relief valve body (12) is pressed against the sealing seat can be adjusted by means of a thermal drive (14) in the form of an expansion-material membrane capsule (50) which has a temperature sensor (54) that passes through the cap axis and extends into the tank's neck, and it is also provided that the vacuum valve body (13) is arranged eccentrically in relation to the cap axis.

IPC 1-7

F01P 11/02

IPC 8 full level

F01P 11/02 (2006.01)

CPC (source: EP US)

F01P 11/0238 (2013.01 - EP US); **F01P 11/0247** (2013.01 - EP US); **F01P 2011/0242** (2013.01 - EP US); **F01P 2011/0261** (2013.01 - EP US); **Y10S 220/32** (2013.01 - EP US)

Citation (search report)

See references of WO 0208587A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

US 2003185276 A1 20031002; US 6971533 B2 20051206; AT E329144 T1 20060615; CA 2416259 A1 20030115; DE 20012722 U1 20011213; DE 50110054 D1 20060720; EP 1303686 A1 20030423; EP 1303686 B1 20060607; WO 0208587 A1 20020131

DOCDB simple family (application)

US 31260003 A 20030514; AT 01949468 T 20010705; CA 2416259 A 20010705; DE 20012722 U 20000722; DE 50110054 T 20010705; EP 0107700 W 20010705; EP 01949468 A 20010705