

Title (en)

CLOSURE CAP FOR A MOTOR VEHICLE RADIATOR

Title (de)

VERSCHLUSSDECKEL FÜR KRAFTFAHRZEUGKÜHLER

Title (fr)

COUVERCLE DE FERMETURE POUR RADIATEUR D'AUTOMOBILE

Publication

EP 1389269 B1 20070829 (DE)

Application

EP 02750946 A 20020517

Priority

- DE 20108735 U 20010523
- EP 0205502 W 20020517

Abstract (en)

[origin: WO02095200A1] A closure cap (10) for a fixed neck of a motor vehicle radiator is provided with a cap outer part (12), which comprises a closure element (17) that can be joined to the reservoir neck, and comprises a grip element (13) that is held in a manner that permits it to be twisted in relation to the closure element. A torsional stop (20) is provided between said closure element and grip element. The aim of the invention is to provide a closure cap of the aforementioned type with safety-relevant functions of the torsional stop and of the reduction of excess pressure in a structurally simple manner whereby permitting them to be exactly adapted to one another. To this end, an actuator (15) that can be expanded when subjected to heat is provided both for axially engaging and disengaging the coupling insert (46) of the torsional stop (20) as well as for adjusting the pretension with which the valve body (22) of the valve arrangement (11) is pressed against the sealing seat (21).

IPC 8 full level

F01P 11/02 (2006.01); **F03G 7/00** (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 2011/0266** (2013.01 - EP US); **F01P 2025/04** (2013.01 - EP US); **F01P 2025/08** (2013.01 - EP US); **F01P 2070/04** (2013.01 - EP US)

Designated contracting state (EPC)

DE FR GB IT SE

DOCDB simple family (publication)

DE 20108735 U1 20021002; DE 50210815 D1 20071011; EP 1389269 A1 20040218; EP 1389269 B1 20070829; US 2004074906 A1 20040422; WO 02095200 A1 20021128

DOCDB simple family (application)

DE 20108735 U 20010523; DE 50210815 T 20020517; EP 0205502 W 20020517; EP 02750946 A 20020517; US 46840103 A 20030829