

Title (en)

CLOSURE CAP FOR AN AUTOMOTIVE RADIATOR

Title (de)

VERSCHLUSSDECKEL FÜR KRAFTFAHRZEUGKÜHLER

Title (fr)

BOUCHON DE FERMETURE DE RADIATEUR DE VEHICULE

Publication

EP 1456515 A1 20040915 (DE)

Application

EP 02796614 A 20021212

Priority

- DE 20120676 U 20011221
- EP 0214109 W 20021212

Abstract (en)

[origin: US2005011893A1] The invention relates to a closure cap (10) for a stationary reservoir neck, especially of an automotive radiator. Said cap has a cap outer part (16) and a cap inner part (15), and the cap outer part (16) comprises a closure element (17) for the reservoir neck and a grip element (18) that permits it to be rotated relative thereto. A torsional stop (19) is provided between the grip element and the closure element (17) of the cap inner part (16). The cap inner part (15) comprises a fluid connection between the reservoir interior and the reservoir exterior and a valve arrangement (11) for releasing and locking said fluid connection. The torsional stop (19) that can be/is engaged under the action of a spring can be disengaged by a thermally or pressure-controlled drive (14), thereby making it possible to adapt the temperature or the pressure prevailing in the reservoir interior to that of the torsional stop of the closure cap in a simple manner and without inadmissibly high heat losses.

IPC 1-7

F01P 11/02

IPC 8 full level

F01P 11/02 (2006.01)

CPC (source: EP US)

F01P 11/0247 (2013.01 - EP US); **F01P 11/0238** (2013.01 - EP US); **F01P 2011/0261** (2013.01 - EP US); **F01P 2011/0266** (2013.01 - EP US)

Citation (search report)

See references of WO 03054367A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

US 2005011893 A1 20050120; AT E389790 T1 20080415; DE 20120676 U1 20030430; DE 50211932 D1 20080430; EP 1456515 A1 20040915; EP 1456515 B1 20080319; WO 03054367 A1 20030703

DOCDB simple family (application)

US 49851204 A 20040621; AT 02796614 T 20021212; DE 20120676 U 20011221; DE 50211932 T 20021212; EP 0214109 W 20021212; EP 02796614 A 20021212