

Title (en)

PROTECTIVE CAP, BOTTLE INCLUDING SUCH A CAP, AND METHOD FOR MOUNTING OR REMOVING SAID CAP

Title (de)

SCHUTZDECKEL, FLASCHE MIT SOLCH EINEM DECKEL UND VERFAHREN ZUR MONTAGE ODER ENTFERNUNG DES BESAGTEN DECKELS

Title (fr)

CHAPEAU DE PROTECTION, BOUTEILLE COMPRENANT UN TEL CHAPEAU ET SON PROCÉDÉ DE MONTAGE OU DE DÉMONTAGE

Publication

**EP 3329171 B1 20210901 (FR)**

Application

**EP 16747844 A 20160720**

Priority

- FR 1557424 A 20150731
- FR 2016051874 W 20160720

Abstract (en)

[origin: WO2017021614A1] The invention relates to a fluid bottle tap protective cap (1) including a mounting collar (4) consisting of at least two portions (41, 42) that are movable or deformable relative to each other so as to increase or decrease the diameter of said collar (4). The cap (1) also includes a device for clamping the cap (4) for decreasing the diameter of said cap and includes a screw (47) and nut (48) system. The two portions (41, 42) of the collar (4) each include one recess (44, 45) for a screw (47) and nut (48) system. A first recess (44) is provided to receive: a first end of a head (46) of the screw (47) of the screw and nut system, and the second recess (45) is provided to receive the second end of the screw (47) and a nut (48) engaging with the screw (47), each recess (44, 45) including respective walls (144, 244, 145, 245) forming a system of abutments for the head (46) of the screw and the nut (48), respectively, in order to transmit a force for clamping and separating the two portions (41, 42) of the collar (40) when the nut (48) is unscrewed from or screwed onto the screw (47).

IPC 8 full level

**F17C 1/00** (2006.01)

CPC (source: EP US)

**F17C 1/00** (2013.01 - EP US); **F17C 13/06** (2013.01 - US); **F17C 2201/0104** (2013.01 - EP US); **F17C 2201/032** (2013.01 - EP US); **F17C 2201/056** (2013.01 - EP US); **F17C 2205/0308** (2013.01 - EP US); **F17C 2223/0123** (2013.01 - EP US); **F17C 2223/035** (2013.01 - EP US); **F17C 2223/036** (2013.01 - EP US); **F17C 2260/015** (2013.01 - EP US); **F17C 2270/0745** (2013.01 - EP US)

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)

**FR 3039623 A1 20170203**; **FR 3039623 B1 20180302**; DK 3329171 T3 20211122; EP 3329171 A1 20180606; EP 3329171 B1 20210901; PL 3329171 T3 20220117; US 2018231187 A1 20180816; WO 2017021614 A1 20170209

DOCDB simple family (application)

**FR 1557424 A 20150731**; DK 16747844 T 20160720; EP 16747844 A 20160720; FR 2016051874 W 20160720; PL 16747844 T 20160720; US 201615749201 A 20160720