

Title (en)

CLOSURE CAP AND CONTAINER NECK FOR PREVENTING DETACHMENT OF A TAMPER-EVIDENT STRIP

Title (de)

VERSCHLUSSKAPPE UND BEHÄLTERHALS FÜR ABLÖSE-SICHERUNG EINES GARANTIEBANDES

Title (fr)

BOUCHON DE FERMETURE ET COL DE RÉCIPIENT POUR EMPÊCHER UNE BANDE D'INVIOLABILITÉ DE SE DÉTACHER

Publication

**EP 4247724 A1 20230927 (DE)**

Application

**EP 21815403 A 20211112**

Priority

- DE 102020130311 A 20201117
- EP 2021081582 W 20211112

Abstract (en)

[origin: WO2022106321A1] A closure cap (1) having a top portion (2) and a cap skirt (3), wherein the cap skirt (3) has an internal thread (4), wherein an encircling tamper-evident strip (5) is arranged on an edge of the cap skirt (3) that faces away from the top portion (2), wherein at least one catch element (7) is arranged on the inner side of the tamper-evident strip (5), wherein the catch element (7) has a first stop surface (8) with a surface normal arranged at least partially tangentially to the cap skirt (3) such that the first stop surface (8), in an assembled state of the closure cap (1) with a container (11) having the container neck, is able to be brought into engagement with a first stop surface (15) of the container neck, wherein, as a result of the engagement of the two first stop surfaces (8, 15), a retaining moment counteracting an opening direction of the closure cap (1) is exerted on the tamper-evident strip (5) when the closure cap (1) is twisted in the opening direction for the first time, wherein a blocking element (9) is arranged on the tamper-evident strip (5), wherein the blocking element (9) has a second stop surface (10) with a surface normal pointing at least partially in an axial direction such that the second stop surface (10), in an assembled state of the closure cap (1) with the container (11), is able to be brought into engagement with a second stop surface (17) of the container neck, wherein, as a result of the engagement of the two second stop surfaces (10, 17), a retaining force acting in the axial direction is exerted on the tamper-evident strip (5) when the container (11) is tipped to pour out a filling material.

IPC 8 full level

**B65D 41/34** (2006.01); **B65D 1/02** (2006.01)

CPC (source: EP US)

**B65D 1/0246** (2013.01 - EP US); **B65D 41/3409** (2013.01 - EP US); **B65D 2401/15** (2020.05 - EP US)

Citation (search report)

See references of WO 2022106321A1

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

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**WO 2022106321 A1 20220527**; CN 116438117 A 20230714; DE 102020130311 A1 20220519; EP 4247724 A1 20230927; US 2023399149 A1 20231214

DOCDB simple family (application)

**EP 2021081582 W 20211112**; CN 202180075410 A 20211112; DE 102020130311 A 20201117; EP 21815403 A 20211112; US 202118250455 A 20211112