

Title (en)  
CAP DEVICE FOR BOTTLES

Title (de)  
VERSCHLUSSVORRICHTUNG FÜR FLASCHEN

Title (fr)  
DISPOSITIF BOUCHON POUR BOUTEILLES

Publication  
**EP 4247728 A1 20230927 (FR)**

Application  
**EP 21801558 A 20211101**

Priority  
• EP 20208497 A 20201118  
• EP 2021080286 W 20211101

Abstract (en)  
[origin: WO2022106184A1] Disclosed is a reservoir cap device (1) for a food bottle (30) comprising a container (31) with a neck (32) on which the reservoir cap device is intended to be mounted in order to hermetically seal the inside of the container, the reservoir cap device comprising: - a cap (2) comprising a base part suitable for being secured to the neck (32) of the bottle, - a capsule (3) arranged in the cap forming a chamber (16) partially closed by a bottom wall (14), the chamber (16) being filled with a gas and hermetically sealed by the capsule and the cap, and - a removable actuator (4) comprising a perforator (20) for perforating, cutting or breaking the bottom wall, and soluble nuggets (5) comprising an active component surrounded by a shell or matrix of a soluble food substance protecting the active component against chemical alteration.

IPC 8 full level  
**B65D 51/28** (2006.01); **B65D 65/46** (2006.01); **B65D 81/20** (2006.01); **B65D 81/32** (2006.01)

CPC (source: EP US)  
**B65D 1/0246** (2013.01 - US); **B65D 41/04** (2013.01 - US); **B65D 51/2821** (2013.01 - US); **B65D 51/2835** (2013.01 - EP);  
**B65D 65/463** (2013.01 - EP); **B65D 81/2076** (2013.01 - EP); **B65D 81/32** (2013.01 - EP)

Citation (search report)  
See references of WO 2022106184A1

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)  
**EP 4001158 A1 20220525**; CN 116472233 A 20230721; EP 4247728 A1 20230927; US 2024010401 A1 20240111;  
WO 2022106184 A1 20220527

DOCDB simple family (application)  
**EP 20208497 A 20201118**; CN 202180076181 A 20211101; EP 2021080286 W 20211101; EP 21801558 A 20211101;  
US 202118037496 A 20211101