

Title (en)

Tearable plastic closure-cap.

Title (de)

Aufreissbarer Kapselverschluss aus Kunststoff.

Title (fr)

Capsule déchirable en matière plastique.

Publication

EP 0037771 A1 19811014 (FR)

Application

EP 81400492 A 19810327

Priority

FR 8007084 A 19800328

Abstract (en)

1. Frangible closure capsule of the tamperproof type formed from a single plastics material, especially for bottles or comparable containers, comprising a top (1), an external annular skirt (2) for engagement without screwing and connected to the said top by frangible connections (8) which ensure proof against tampering, and an internal annular flange (3) to engage in the neck of the container to be closed, characterised by the fact that the internal flange (3) carries on its exterior, at a small fixed distance from the top (1), a continuous circular bead (4) to act as an escape valve by moving out of contact with the neck under the effect of the internal pressure caused by thermal expansion of the liquid contained in the container and, at a greater distance, a second bead (5) interrupted (at 6) on its periphery to permit release of pressure by lifting of the first bead (4) whilst restricting the escaping force exercised on the capsule, whilst the exterior skirt (2) has a circular periphery without protruberances and at least one frangible reduction in thickness (10, 11) extending over the whole of its height to ensure opening of the skirt (2) when the capsule is removed.

Abstract (fr)

L'invention a pour but de proposer une capsule de bouchage déchirable, inviolable, moulée en une seule matière plastique qui comprend un dessus, une jupe extérieure déchirable et une cheminée intérieure destinée à s'encastrer dans le col de la bouteille ou du récipient à boucher et qui permet la dilatation du liquide intérieur. A cet effet, la cheminée 3 porte extérieurement, à une petite distance du dessus 1, une lèvre d'étanchéité circulaire continue 4 jouant le rôle de soupape d'échappement et, à une plus grande distance, une seconde lèvre 5 interrompue en 6 et limitant l'échappement qui résulte du soulèvement de la lèvre 4 sous la pression extérieure en évitant l'éjection de la capsule et la rupture des ponts déchirables d'invulnérabilité 8 entre la jupe 2 et le dessus de capsule 1.

IPC 1-7

B65D 41/48

IPC 8 full level

B65D 41/48 (2006.01)

CPC (source: EP)

B65D 41/485 (2013.01)

Citation (search report)

- US 3944104 A 19760316 - WATSON WILLIAM BRUCE, et al
- FR 2091863 A1 19710121 - BOUCHAGE MECANIQUE
- FR 1600882 A 19700803
- FR 2305359 A1 19761022 - DUVICQ SA ETS CHARLES [FR]
- GB 2013635 A 19790815 - OBRIST ALBERT
- FR 1604276 A 19711011

Cited by

FR3013041A1; FR2657066A1; WO2015067598A3; WO2023245222A1

Designated contracting state (EPC)

AT BE CH DE GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0037771 A1 19811014; EP 0037771 B1 19831019; AT E5062 T1 19831115; DE 3161218 D1 19831124; FR 2479151 A1 19811002; FR 2479151 B1 19831007

DOCDB simple family (application)

EP 81400492 A 19810327; AT 81400492 T 19810327; DE 3161218 T 19810327; FR 8007084 A 19800328