

Title (en)

A closure for bottles and the like of the type including a breakable bottom reservoir to break during use.

Title (de)

Flaschenverschluss mit einem zerbrechlichen Behälter.

Title (fr)

Fermeture pour bouteilles comprenant un récipient cassable.

Publication

EP 0093090 A2 19831102 (EN)

Application

EP 83830076 A 19830406

Priority

- IT 2166582 U 19820423
- IT 2166682 U 19820423

Abstract (en)

This invention relates to a closure for bottles and the like of the crown-cap type including a reservoir (2) with breakable bottom (3), having a piercing plunger (8) made in a unitary body with an outer cap (1) and entering said reservoir (2) by a slantwise cut end (9), the skirt of said cap being internally provided with continuous or discontinuous ridges (12) for engagement with the edge of the bottle inlet, said skirt (10) also having provided thereon a tearing removable strip (15), internally carrying continuous or discontinuous ridges (15 min) for abutment with the top portion of an annular flange (6), carried at the top by said reservoir.

IPC 1-7

B65D 51/28

IPC 8 full level

B65D 51/28 (2006.01)

CPC (source: EP)

B65D 51/2814 (2013.01)

Cited by

DE102010029259A1; DE102012111374B3; EP2154081A1; AU590534B2; EP0344849A3; EP0561322A1; DE19850934A1; DE19850934C2; US6149866A; CZ296932B6; US7691871B2; US8109236B2; US8215505B2; WO2004031047A1; WO2021082973A1; WO2005091725A3; WO2011030280A1; WO2006004345A1; WO2005097615A1; WO2005091730A3; US7578386B2; US8668400B2; WO2011147750A1; WO9748492A1

Designated contracting state (EPC)

BE CH DE FR GB LI NL SE

DOCDB simple family (publication)

EP 0093090 A2 19831102; EP 0093090 A3 19841017; EP 0093090 B1 19870121; DE 3369297 D1 19870226

DOCDB simple family (application)

EP 83830076 A 19830406; DE 3369297 T 19830406