

Title (en)
BOTTLE CLOSING DEVICE

Title (de)
FLASCHENVERSCHLUSSVORRICHTUNG

Title (fr)
DISPOSITIF A BOUCHER POUR BOUTEILLE A TUBULURE DEPLOYABLE

Publication
EP 1876111 A4 20110420 (EN)

Application
EP 05801636 A 20051110

Priority
• EA 2005000006 W 20051110
• EA 200500559 A 20050428

Abstract (en)
[origin: EP1876111A1] The present invention relates to closures for bottles with expensive liquids to prevent bottle refilling and indicating the first opening of the bottle. The bottle closure comprises a threaded cap engaged by said thread with the discharge sleeve and forming through channels, a resilient element with a through opening and projections forming open on top annular cavity accommodating the lower part of the inner sleeve at a gap formed between the bottom and projections of the resilient element. The described apparatus is additionally provided with a casing fastened on the outer sleeve and having a breakable upper piece weakened by vertical slots and made with strips on the side and end surfaces of said upper piece of the casing, wherein the last strip in direction of rupture is strengthened, its length ratio to the weakened strip being at least 2.5, said casing having at least two restrictive annular collars on the interior surface, one of the collars being slotted. The second embodiment of the closure is accomplished by providing a thread on the interior surface of the casing and exterior surface of the discharge sleeve, said thread being made in different directions. The proposed invention makes provision for an additional level of protection against unauthorized unsealing of the bottle by the accomplishment of a breakable piece of the casing. This feature raises reliability of operation at bottling due to the absence of mechanical components in the discharge sleeve, which may result in unpleasant aftereffects connected with their sticking or wedging.

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Citation (search report)
• [A] FR 2722478 A1 19960119 - GUALA SPA [IT]
• [A] WO 9733799 A1 19970918 - CROWN CORK AG [CH], et al
• [A] WO 0007898 A1 20000217 - GUALA CLOSURES SPA [IT], et al
• [A] WO 2005000701 A1 20050106 - GUALA CLOSURES SPA [IT], et al
• See references of WO 2006114106A1

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