

Title (en)  
BOTTLE CLOSING DEVICE

Title (de)  
FLASCHENVERSCHLUSSVORRICHTUNG

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

Publication  
**EP 1876111 A1 20080109 (EN)**

Application  
**EP 05801636 A 20051110**

Priority  
• EA 2005000006 W 20051110  
• EA 200500559 A 20050428

Abstract (en)  
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.

IPC 8 full level  
**B65D 41/62** (2006.01); **B65D 49/02** (2006.01)

CPC (source: EP)  
**B65D 41/62** (2013.01); **B65D 49/00** (2013.01); **B65D 55/024** (2013.01); **B65D 2401/35** (2020.05); **B65D 2401/40** (2020.05)

Cited by  
ITMI20120858A1; CN102259724A; EP2275359B1; WO2013171719A1; WO2014075379A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1876111 A1 20080109**; **EP 1876111 A4 20110420**; EA 006730 B1 20060428; EA 200500559 A1 20060428; UA 12528 U 20060215; WO 2006114106 A1 20061102

DOCDB simple family (application)  
**EP 05801636 A 20051110**; EA 2005000006 W 20051110; EA 200500559 A 20050428; UA U200507469 U 20050726