

Title (en)

Improvements relating to tamper resistant closure devices for bottles.

Title (de)

Flaschenverschluss mit Schutzeinrichtung gegen unbefugtes Wiederfüllen.

Title (fr)

Dispositif de fermeture pour bouteilles empêchant un remplissage frauduleux.

Publication

**EP 0085506 A1 19830810 (EN)**

Application

**EP 83300267 A 19830119**

Priority

GB 8202517 A 19820129

Abstract (en)

An anti-tampering bottle closure comprising an outer member (15) in the form of a sleeve which is insertable into the neck of a bottle (8) and an inner member (13) in the form of a tubular valve body made of a substantially more rigid material than the sleeve. A ball valve (14) is trapped within the valve body and adapted to allow liquid to be poured from the bottle when it is inverted but prevent liquid from being poured into the bottle when it is upright. The sleeve has a thickened wall portion (33) and the valve body is axially insertable into the sleeve to compress the thickened wall portion against the neck of the bottle so as to resist radially inward deformation of the thickened wall portion of the sleeve and thereby lock the closure in the neck of a bottle. Preferably, the thickened wall portion (33) of the sleeve forms an inwardly convex annular protrusion (34) which is deformed outwardly into locking engagement with the bottle neck when the valve body is inserted into the sleeve.

IPC 1-7

**B65D 49/02**

IPC 8 full level

**B65D 49/02** (2006.01)

CPC (source: EP)

**B65D 49/02** (2013.01)

Citation (search report)

- [X] EP 0035918 A1 19810916 - SEAGRAM DISTILLERS PLC [GB]
- [Y] US 2038392 A 19360421 - WANDELL JAMES W, et al
- [Y] GB 1532652 A 19781115 - MONTGOMERY & SON LTD D
- [Y] US 3073470 A 19630115 - EDGEWORTH GREENE
- [A] FR 1113454 A 19560329
- [A] FR 2123201 A1 19720908 - WASSILIEFF VICTOR
- [A] US 2079775 A 19370511 - SIMONS RAYMOND S
- [A] US 2079125 A 19370504 - LEONARD MACBEAN THOMAS

Cited by

GB2267694A; CN106516406A; GB2327932A; EP0218528A3; WO2008114979A3; WO0046577A1; WO9212908A1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

**EP 0085506 A1 19830810**; GB 2116933 A 19831005; GB 2116933 B 19850807

DOCDB simple family (application)

**EP 83300267 A 19830119**; GB 8202517 A 19820129