

Title (en)  
A security closure for bottles

Title (de)  
Sicherungsverschluss für Flaschen

Title (fr)  
Fermeture de sécurité pour bouteilles

Publication  
**EP 0967156 A1 19991229 (EN)**

Application  
**EP 99112158 A 19990624**

Priority  
IT TO980544 A 19980625

Abstract (en)  
A security closure for bottles having a threaded neck (1) comprises a metal capsule (4), a pourer (17) of rigid plastics material, a plug (10) of soft plastics material interposed between the bottom of the metal capsule (4) and the pourer (17) and a tubular sealing and locking element (32) of soft plastics material interposed between the neck (1) of the bottle and the pourer (17). The pourer (17) has an intermediate flange (24) which rests on the inner surface of the end of the neck (1) of the bottle, and an upper tubular portion (21) of reduced height which engages in an annular groove (16) formed in the lower surface of a flat peripheral annular part (14) of the plug (10). After the closure has been fitted to the bottle the height (A1) between the end of the neck (1) of the bottle and the top of the plug (10) is equal to the thickness of a disc seal utilised in a metal capsule closure without pourer after its deformation due to fitting of such closure onto a bottle (1). <IMAGE>

IPC 1-7  
**B65D 49/04**

IPC 8 full level  
**B65D 49/04** (2006.01)

CPC (source: EP)  
**B65D 49/04** (2013.01)

Citation (applicant)  

- WO 9733805 A1 19970918 - ALPLAST SPA [IT], et al
- EP 0670271 A1 19950906 - ALUCAPVIT SPA [IT]

Citation (search report)  

- [A] WO 9604179 A1 19960215 - MONTGOMERY DANIEL & SON LTD [GB], et al
- [A] EP 0847930 A1 19980617 - ALUCAPVIT SPA [IT]
- [A] GB 2057390 A 19810401 - MONTGOMERY DANIEL & SON LTD

Citation (third parties)  
Third party :  
ES 266162 U 19830116 - CAPSULAS TORRENT SA [ES]

Cited by  
BG960U1; US9778201B2

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**EP 0967156 A1 19991229; EP 0967156 B1 20031029**; AT E253006 T1 20031115; DE 69912356 D1 20031204; ES 2209285 T3 20040616; IT TO980544 A0 19980625; IT TO980544 A1 19991225

DOCDB simple family (application)  
**EP 99112158 A 19990624**; AT 99112158 T 19990624; DE 69912356 T 19990624; ES 99112158 T 19990624; IT TO980544 A 19980625