

Title (en)  
Closure cap

Title (de)  
Verschlusskappe

Title (fr)  
Bouchon de fermeture

Publication  
**EP 1273524 B1 20041201 (EN)**

Application  
**EP 02078353 A 19991207**

Priority  
• EP 99958418 A 19991207  
• US 39651199 A 19990915

Abstract (en)  
[origin: EP1273524A2] An injection moulded, plastics material cap 1 for a screw top bottle has a top and a skirt with an anti-tamper band 2 connected to the skirt at a tear-off line by links 3. On the inside of the top of the cap, a depending annular ridge 10 is provided. Its inside diameter is such that it abuts and seals on the outside diameter of the distal end of neck of the bottle. Also on the inside of the cap, inside the ridge 10, is moulded, a forked feature having an inner limb 12 which extends generally downwards with an outwards bias, and an outer limb 13 which extends generally outwards with downwards bias. The inner limb is dimensioned to fit inside the mouth at the neck of the bottle, sealingly engaging it, whilst the outer limb is dimensioned to abut the end of the neck, also sealingly engaging it when the cap is screwed tight. On the inside of the anti-tamper band, upwardly and inwardly extending tongues 21 are provided. Adjacent ones of these are interconnected by webs 20 in the form of invert V folds. The folds extend up and out (radially) from the tongues. The latter have ribs 22 on their outer faces. Above the proximal ends of the tongues, a ridge 23 is provided around the inside of the band, at a position such that the ribs abut it when the tongues are pushed up, as on screwing of the cap onto the bottle. The combined action of the folded webs 20 and the resilience of the tongues 21 themselves causes them to spring inwards when pushed outwards during fitting of the cap to the bottle. The abutment of the ribs 22 against the ridge 23 limits the outwards movement of the tongues.

IPC 1-7  
**B65D 41/04**; **B65D 41/34**

IPC 8 full level  
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CPC (source: EP)  
**B65D 41/0421** (2013.01); **B65D 41/3428** (2013.01)

Cited by  
CN111137550A; CN106494740A; CN103635398A; EP2694386A4; US9821934B2; WO2020021094A1

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