

Title (en)
CONTAINER CLOSURE PROVIDED WITH A TAMPER INDICATING BAND

Publication
EP 0254673 B1 19900418 (DE)

Application
EP 87810309 A 19870525

Priority
CH 279486 A 19860711

Abstract (en)
[origin: US4744479A] A tamper indicating closure for bottles has a cap with an internally threaded skirt and a cylindrical band which is adjacent the end face of the skirt and has a longer and a shorter arcuate section together forming a ring. The shorter section is attached to the skirt by two relatively strong bridges, and the longer section is attached to the skirt by a readily destructible web midway between its ends and by an elastic neck adjacent one of its ends. The other end of the longer section is attached to the adjacent end of the shorter section by a frangible membrane. When the closure is first applied to the externally threaded neck of a bottle, the two sections remain attached to the skirt and to each other and their internal cams merely ride over a frustoconical bead of the neck to thereupon engage a shoulder of the bead. When the closure is being detached from the neck of the bottle, the bridges entrain the shorter section but the web which connects the longer section to the skirt breaks followed by destruction of the membrane and by initially elastic and thereupon permanent deformation of the neck so that the orientation of the longer section changes drastically as a result of the retaining action of internal cams on the longer section in cooperation with the bead.

IPC 1-7
B65D 41/34

IPC 8 full level
B65D 41/34 (2006.01)

CPC (source: EP US)
B65D 41/3452 (2013.01 - EP US); **B65D 2401/30** (2020.05 - EP US); **B65D 2401/35** (2020.05 - EP US)

Cited by
GB2255553A; EP0799772A1; DE19613364C1; EP0965533A1; EP0703155A1

Designated contracting state (EPC)
BE CH DE ES FR GB LI NL SE

DOCDB simple family (publication)
EP 0254673 A1 19880127; **EP 0254673 B1 19900418**; DE 3762328 D1 19900523; ES 2016114 B3 19901016; IL 82789 A0 19871220; US 4744479 A 19880517

DOCDB simple family (application)
EP 87810309 A 19870525; DE 3762328 T 19870525; ES 87810309 T 19870525; IL 8278987 A 19870607; US 6583687 A 19870623