

Title (en)
Tamper-indicating plastic closure.

Title (de)
Garantieverschluss aus Kunststoff.

Title (fr)
Fermeture de garantie en matière plastique.

Publication
EP 0381118 B1 19931201 (EN)

Application
EP 90101729 A 19900129

Priority
• US 30331789 A 19890130
• US 34399589 A 19890426
• US 46530190 A 19900123

Abstract (en)
[origin: EP0381118A1] A tamper-indicating plastic closure (10) is disclosed, with the closure configured for interfering coaction with an associated container. The closure includes a plastic cap (12) having a top wall portion (14) and an internally threaded annular skirt portion (16), with an annular pilfer band (20) depending therefrom. The pilfer band (20) includes a plurality of circumferentially spaced flexible tabs (28) for interfering engagement with an annular locking ring portion (L) of the associated container. The pilfer band (20) further includes an annular interference bead (30) positioned beneath the flexible tabs (28). By this arrangement, two modes L(Figs. 4 and 5, respectively), of interfering engagement with the associated container locking ring (L) are provided. In an alternate embodiment, the pilfer band includes an angularly skewed interference lip and centering ribs.

IPC 1-7
B65D 41/34

IPC 8 full level
B65D 41/34 (2006.01); **B65D 55/02** (2006.01)

CPC (source: EP)
B65D 41/3428 (2013.01); **B65D 41/3447** (2013.01)

Citation (examination)
US 4784280 A 19881115 - BREUER HANS-WERNER [CH], et al

Cited by
EP0916587A1; DE4201997C1; EP0508702A1; EP1683732A1; EP0752373A1; US5289931A; EP0861792A1; AU730107B2; EP0508396A1; TR25983A; EP0593396A1; TR27602A; US7575123B2; WO2014017893A1; EP1092640A1

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

DOCDB simple family (publication)
EP 0381118 A1 19900808; EP 0381118 B1 19931201; AR 246724 A1 19940930; AU 4891090 A 19900802; AU 627270 B2 19920820; BR 9000381 A 19901204; CA 2008769 A1 19900730; CA 2008769 C 20020319; DE 69004820 D1 19940113; DE 69004820 T2 19940616; DK 174625 B1 20030728; DK 23690 A 19900731; DK 23690 D0 19900129; ES 2048330 T3 19940316; JP 2810936 B2 19981015; JP H02296666 A 19901207; NO 178997 B 19960409; NO 178997 C 19960717; NO 900407 D0 19900129; NO 900407 L 19900731; NZ 232297 A 19911223

DOCDB simple family (application)
EP 90101729 A 19900129; AR 31604990 A 19900130; AU 4891090 A 19900130; BR 9000381 A 19900130; CA 2008769 A 19900129; DE 69004820 T 19900129; DK 23690 A 19900129; ES 90101729 T 19900129; JP 2037990 A 19900130; NO 900407 A 19900129; NZ 23229790 A 19900130