

Title (en)

Cap and cap/container combination.

Title (de)

Verschlusskappe und Verschlusskappe mit Behälter.

Title (fr)

Capuchon et capuchon avec récipient en combinaison.

Publication

EP 0009854 A1 19800416 (EN)

Application

EP 79300083 A 19790117

Priority

GB 7836967 A 19780915

Abstract (en)

In order to prevent "missiling" of the cap of a bottle or other screw-top container intended to contain a carbonaceous beverage, the screw-thread ridge 11 on the neck 13 of the container has one or more transverse notches 12 in its length so as to relieve the gas pressure as the cap is removed. The radial depth of the notches may conveniently be equal to the radial height of the screw-thread ridge in which it is formed. Notches in adjoining turns of the ridge may be circumferentially staggered. Additionally or alternatively the screw-thread ridge in the screw-cap for the container may be provided with similar notches in its length.

IPC 1-7

B65D 51/16

IPC 8 full level

B65D 41/04 (2006.01); **B65D 51/16** (2006.01)

CPC (source: EP)

B65D 41/0428 (2013.01); **B65D 51/1688** (2013.01)

Citation (search report)

- US 2990079 A 19610627 - GARVEY LEO J
- US 4007848 A 19770215 - SNYDER WILLIAM JOSEPH

Cited by

US4738370A; US5884790A; GB2275047A; EP0060218A3; EP0568228A1; US4657221A; US6006930A; GB2276615A; GB2276615B; EP2687450A1; EP3712080A1; EP0149198A3; EP0067650A1; CN111132908A; EP3521195A4; US9010574B2; WO2020095070A1; US11504679B2; WO9728057A1; WO2014012904A3

Designated contracting state (EPC)

DE FR NL SE

DOCDB simple family (publication)

EP 0009854 A1 19800416; EP 0009854 B1 19860528; AR 217891 A1 19800430; AT 366337 B 19820413; AT A880178 A 19810815; AU 4204978 A 19800320; BE 872555 A 19790330; BR 7808246 A 19800520; CA 1147294 A 19830531; CH 632461 A5 19821015; DE 2967597 D1 19860703; DE 7836739 U1 19790315; DK 556678 A 19800316; ES 240022 U 19790116; ES 240022 Y 19790901; FI 66806 B 19840831; FI 66806 C 19841210; FI 783788 A 19800316; GR 70242 B 19820901; IE 47964 B1 19840808; IE 782363 L 19800315; IL 56160 A0 19790312; IL 56160 A 19810629; IT 1100615 B 19850928; IT 7830692 A0 19781211; JP S5548055 A 19800405; JP S5752259 B2 19821106; JP S60150938 U 19851007; NO 784149 L 19800318; NZ 189079 A 19810713; PT 68913 A 19790101; ZA 786771 B 19791031

DOCDB simple family (application)

EP 79300083 A 19790117; AR 27523479 A 19790119; AT 880178 A 19781211; AU 4204978 A 19781129; BE 192160 A 19781206; BR 7808246 A 19781215; CA 317058 A 19781129; CH 1258678 A 19781211; DE 2967597 T 19790117; DE 7836739 U 19781212; DK 556678 A 19781211; ES 240022 U 19781207; FI 783788 A 19781208; GR 780157891 A 19781215; IE 236378 A 19781129; IL 5616078 A 19781208; IT 3069278 A 19781211; JP 15484678 A 19781215; JP 1827685 U 19850212; NO 784149 A 19781208; NZ 18907978 A 19781204; PT 6891378 A 19781214; ZA 786771 A 19781204