

Title (en)

Screw closure for bottles having a deaeration device.

Title (de)

Schraubverschluss für Flaschen mit Entlüftungseinrichtung.

Title (fr)

Bouchon à vis avec dispositif de dégazage.

Publication

EP 0370272 B1 19940713 (DE)

Application

EP 89120148 A 19891031

Priority

DE 3839351 A 19881122

Abstract (en)

[origin: US4997097A] The invention relates to a screw closure of plastics material for bottles which are under pressure, comprising a cap (1) having a cap end portion (2) and a substantially cylindrical peripheral cap portion (3) with internal screwthread (7), and a circumferentially extending, inwardly projecting bead (5) at the transition between the cap end portion (2) and the peripheral cap portion (3), wherein a sealing disc (9) which is movable relative to the cap bears against the inward side of the cap end portion (2) and the projecting bead (5). In order, in regard to such a pressure-tight closure, to limit the maximum pressure up to which the closure remains pressure-tight, to a value which is noticeably below the pressure at which a bottle explodes, it is proposed in accordance with the invention that the bead has a segment-like interruption.

IPC 1-7

B65D 51/16

IPC 8 full level

B65D 51/16 (2006.01)

CPC (source: EP US)

B65D 41/3428 (2013.01 - EP US); **B65D 51/1661** (2013.01 - EP US)

Citation (examination)

EP 0055916 A1 19820714 - ETHYL PROD [US]

Cited by

EP0987191A1; EP0987190A1; EP0900742A1; EP0503124A1; US5639525A; EP0870693A3; WO0015504A3; WO0015505A3; WO9402371A1; WO0015504A2; US6783015B1; WO0015505A2; US6502710B1

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