

Title (en)

Cap of containers, bottles or similar

Title (de)

Verschlusskappe für Behälter, Gehäuse, Flaschen oder dergleichen

Title (fr)

Capuchon de fermeture pour récipients, bouteilles ou analogues

Publication

EP 0754630 B1 20020320 (DE)

Application

EP 96105220 A 19960401

Priority

DE 29511683 U 19950719

Abstract (en)

[origin: EP0754630A1] This screw cap (1) forms a releasable closure for e.g. vessels, packages and bottles containing fluid or solids. The cap includes a pressure equalisation device, with a membrane (7) of fluid- and solids impermeable material which allows the passage of gas, and a liquid anti-surge element of gas permeable material, to protect the membrane from the contents. The novel cap is a plastic pressure injection moulding, and the membrane is integrated into it, esp. by injection into- or onto part of its top cover (3). There may be more than one membrane.

IPC 1-7

B65D 51/16

IPC 8 full level

B65D 51/24 (2006.01); **B65D 51/16** (2006.01)

CPC (source: EP)

B65D 51/1616 (2013.01)

Cited by

EP1178218A1; US11498725B1; FR2797665A1; GB2359071A; GB2359071B; EP1149722A3; US6783022B2; WO2007048535A3; DE102010030670A1; WO2012000938A1; US7950388B2; WO2004015409A1; WO0034132A3

Designated contracting state (EPC)

DE FR GB IT NL

DOCDB simple family (publication)

DE 29511683 U1 19950928; DE 59608901 D1 20020425; EP 0754630 A1 19970122; EP 0754630 B1 20020320; JP H09104463 A 19970422

DOCDB simple family (application)

DE 29511683 U 19950719; DE 59608901 T 19960401; EP 96105220 A 19960401; JP 18940796 A 19960718