

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

CPC (source: EP)

**B65D 51/1616** (2013.01)

Cited by

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