

Title (en)

Self-closing closure

Title (de)

Selbstschliessender Verschluss

Title (fr)

Fermeture automatique

Publication

EP 0624525 B1 19971229 (DE)

Application

EP 94107026 A 19940505

Priority

- DE 4315697 A 19930511
- DE 4406162 A 19940225

Abstract (en)

[origin: EP0624525A2] The integral closure designed according to the invention is self-closing and can be produced in an extremely economical manner. Opening of the closure is brought about by pressure on the flexible wall of a flange. A closure cap 2 with an associated sealing ring 4 is arranged on the neck of a bottle 1. The sealing ring 4 is provided with an outer, circumferential sealing lip 6 in the form of a projecting circular ring. A reinforcing plate 5 is assigned a transverse web 3, both parts being surrounded by a softer material, the softer material being injection-moulded onto the reinforcing plate 5 by the two-component injection method. An accumulation of material 9 is injection-moulded onto the underside of the reinforcing plate. The end-side boundary of the reinforcing plate 5 is provided with a lid 12 which can be clipped onto the outer wall of the sealing ring 4. <IMAGE>

IPC 1-7

B65D 35/50; **B65D 47/20**

IPC 8 full level

B65D 35/50 (2006.01); **B65D 47/20** (2006.01)

CPC (source: EP)

B65D 47/2018 (2013.01); **B65D 47/2031** (2013.01)

Cited by

US6079594A; US5858324A; US5927566A; US6112951A; WO2004056669A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB IT LI NL PT SE

DOCDB simple family (publication)

EP 0624525 A2 19941117; **EP 0624525 A3 19950208**; **EP 0624525 B1 19971229**; AT E161500 T1 19980115; DE 59404857 D1 19980205; ES 2111795 T3 19980316

DOCDB simple family (application)

EP 94107026 A 19940505; AT 94107026 T 19940505; DE 59404857 T 19940505; ES 94107026 T 19940505