

Title (en)

Closing device, particularly for containers with guarantee seal.

Title (de)

Verschlussvorrichtung, insbesondere für Behälter mit Garantieveschluss.

Title (fr)

Dispositif de verrouillage, en particulier pour récipients à fermeture de garantie.

Publication

EP 0610904 A3 19950607 (EN)

Application

EP 94101954 A 19940209

Priority

IT VI930018 A 19930210

Abstract (en)

[origin: EP0610904A2] A closure device, particularly for containers with a seal of guarantee which are formed by a lid (1) and a tray (2) made of plastic materials that can be coupled hermetically together along respective complementarily shaped peripheral edges (3, 4); comprises at least one engagement member (8) that protrudes from one of the edges of the tray (4) or of the lid (3) and can be inserted only in one direction in a corresponding opening (14) formed on the other one of the edges of the lid or of the tray. An engagement member (8) formed on the edge (3) of the lid (1) at a corner or at a protrusion thereof is joined to the edge (3) of the lid with tabs (12) that have a minimum resisting cross-section. The engagement member (8) includes a central pin (9) with an expanded end (10) that is shaped like a bulb or an arrow and from which a series of longitudinal stiffening ribs (11) extends radially; the opening (14) has a flared side wall (15) which is shaped substantially complementarily to the expanded end (10) of the opposite engagement member (8). The closure device has the advantage of high functionality and economy in manufacture. <IMAGE>

IPC 1-7

B65D 1/00

IPC 8 full level

B65D 43/02 (2006.01); **B65D 55/02** (2006.01); **G09F 3/03** (2006.01)

CPC (source: EP)

B65D 43/0237 (2013.01); **B65D 55/024** (2013.01); **G09F 3/0317** (2013.01); **B65D 2401/60** (2020.05); **B65D 2543/00194** (2013.01); **B65D 2543/00296** (2013.01); **B65D 2543/00509** (2013.01); **B65D 2543/00546** (2013.01); **B65D 2543/00703** (2013.01); **B65D 2543/00814** (2013.01)

Citation (search report)

- [PX] WO 9323306 A1 19931125 - TECNOWERK SRL [IT], et al
- [X] GB 2239866 A 19910717 - LAWSON MARDON [GB]
- [XY] EP 0256253 A2 19880224 - SANDHERR PACKUNGEN AG [CH]
- [XAY] GB 2040267 A 19800828 - DRG UK LTD
- [X] GB 2118145 A 19831026 - PERIPLAST GMBH
- [X] BE 899151 A 19840702 - WOPLA S A

Cited by

EP1076327A3; FR2816591A1; EP2053582A1; US6491328B1; US9931175B2; US6511108B1; WO0169578A1; WO0240372A1; WO0127906A1; WO2019100680A1; WO2016041632A1

Designated contracting state (EPC)

AT DE ES FR IT

DOCDB simple family (publication)

EP 0610904 A2 19940817; **EP 0610904 A3 19950607**; IT 1270571 B 19970506; IT VI930018 A0 19930210; IT VI930018 A1 19940810

DOCDB simple family (application)

EP 94101954 A 19940209; IT VI930018 A 19930210