

Title (en)

Method and apparatus for manufacturing a ring for a container closure.

Title (de)

Verfahren und Vorrichtung zur Herstellung eines Ringes für einen Behälterverschluss.

Title (fr)

Procédé et appareil pour la fabrication d'un anneau d'une fermeture pour un récipient.

Publication

**EP 0408268 B1 19940119 (EN)**

Application

**EP 90307427 A 19900706**

Priority

GB 8915787 A 19890710

Abstract (en)

[origin: EP0408268A2] A container closure has a diaphragm (3) supported by a ring (2). The diaphragm (3) has a pull tab (4) for peeling the diaphragm (3) from the supporting ring (2). The supporting ring (2) has a peripheral formation for securing the ring to a container body and extending radially inwardly therefrom an annular ledge having inner and outer parts (8), (9), axially spaced by a step portion (10). The inner part (9) extends into an annular curl (11) and then back on itself to overlie the inner annular part (9). In this way, the cut edge (112) of the annular blank from which the ring is formed is protected from the atmosphere and from the contents of the can. The invention provides a method and apparatus for manufacturing such a closure.

IPC 1-7

**B65D 17/50**; **B21D 51/38**

IPC 8 full level

**B21D 51/38** (2006.01); **B65D 17/50** (2006.01)

CPC (source: EP US)

**B21D 51/38** (2013.01 - EP); **B65D 17/502** (2013.01 - EP US); **B65D 2517/0013** (2013.01 - EP); **B65D 2517/0061** (2013.01 - EP); **B65D 2517/0082** (2013.01 - EP); **B65D 2517/0086** (2013.01 - EP); **B65D 2517/5013** (2013.01 - EP); **B65D 2517/5029** (2013.01 - EP); **B65D 2517/5054** (2013.01 - EP); **B65D 2517/5083** (2013.01 - EP)

Cited by

EP2332849A1; FR2673911A1; DE4106110A1; CH705595A1; EP0683110A1; US5725120A; EP1747826A1; ES2237325A1; EP0775074A4; AU652665B2; CN110900675A; EP1878666A1; CN116586530A; DE10338445A1; DE10338445B4; US2015158655A1; US7055713B2; US8807374B2; US11478839B2; EP1029613A1; FR3072660A1; CN111246950A; KR20200100616A; JP2020537615A; EP2184237A1; US2022033136A1; WO9845067A1; WO0107330A1; AU650788B2; EP1419972A3; US2020346831A1; EP3722226A4; US11697539B2; WO2006097005A1; WO2006053457A3; WO02079041A1; WO2010094780A1; WO9704896A1; WO2010052249A3; WO9749510A1; WO2019077004A1; EP1802462B2

Designated contracting state (EPC)

AT BE CH DE DK ES FR GR IT LI LU NL SE

DOCDB simple family (publication)

**EP 0408268 A2 19910116**; **EP 0408268 A3 19910320**; **EP 0408268 B1 19940119**; AP 168 A 19920123; AP 9000191 A0 19900731; AT E100405 T1 19940215; DE 69006124 D1 19940303; DE 69006124 T2 19940526; GB 2237259 A 19910501; GB 2237259 B 19931208; GB 8915787 D0 19890831; ZA 905378 B 19910424

DOCDB simple family (application)

**EP 90307427 A 19900706**; AP 9000191 A 19900709; AT 90307427 T 19900706; DE 69006124 T 19900706; GB 8915787 A 19890710; ZA 905378 A 19900709