

Title (en)

DEVICE FOR FIXING A DISPENSER ON A BOTTLE NECK

Title (de)

VORRICHTUNG ZUR BEFESTIGUNG EINER AUSGABEEINHEIT AUF EINEM FLASCHENHALS

Title (fr)

DISPOSITIF DE FIXATION D'UN DISTRIBUTEUR SUR LE COL D'UN FLACON

Publication

EP 1328450 A1 20030723 (FR)

Application

EP 01976399 A 20011011

Priority

- FR 0103145 W 20011011
- FR 0013567 A 20001023

Abstract (en)

[origin: FR2815610A1] Fastening consists of a ring with an inner annular thrust collar (20), fitted with an optional seal (5) against the end of a container neck, and a skirt (21) which fits over the neck and has lugs (22) to grip it. Each of the lugs has one or more deformation zones (221, 222, 223) causing them to bend inwards when an axial pressure is applied to its free end. Fastening consists of a ring with an inner annular thrust collar (20), fitted with an optional seal (5) against the end of a container neck, and a skirt (21) which fits over the neck and has lugs (22) to grip it. Each of the lugs has one or more deformation zones (221, 222, 223) causing them to bend inwards when an axial pressure is applied to its free end. An outer sleeve (30) fitted over the skirt prevents the lugs from bending outwards. An Independent claim is also included for a preparation of the device.

IPC 1-7

B65D 83/14; **B05B 11/00**

IPC 8 full level

B65D 83/00 (2006.01); **B05B 11/00** (2006.01); **B65D 43/10** (2006.01); **B65D 47/00** (2006.01); **B65D 47/34** (2006.01); **B65D 83/14** (2006.01)

CPC (source: EP US)

B05B 11/1049 (2023.01 - EP US); **B65D 83/38** (2013.01 - EP US)

Citation (search report)

See references of WO 0234646A1

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

FR 2815610 A1 20020426; **FR 2815610 B1 20030214**; BR 0114890 A 20031007; CN 1212960 C 20050803; CN 1471488 A 20040128; DE 60105306 D1 20041007; DE 60105306 T2 20050901; EP 1328450 A1 20030723; EP 1328450 B1 20040901; ES 2227286 T3 20050401; JP 2004512240 A 20040422; JP 3771535 B2 20060426; US 2003205591 A1 20031106; US 6772913 B2 20040810; WO 0234646 A1 20020502

DOCDB simple family (application)

FR 0013567 A 20001023; BR 0114890 A 20011011; CN 01817837 A 20011011; DE 60105306 T 20011011; EP 01976399 A 20011011; ES 01976399 T 20011011; FR 0103145 W 20011011; JP 2002537649 A 20011011; US 77586801 A 20010202