

Title (en)
THREAD CLOSURE OF ELASTIC MATERIAL FOR A CONTAINER

Publication
EP 0109631 A3 19850731 (DE)

Application
EP 83111331 A 19831112

Priority
CH 670982 A 19821117

Abstract (en)
[origin: US4540102A] A screw top has a long, thin annular sealing washer which extends from the ring part of the top to the container opening over its outer edge. During the final phase of screwing down, it is pressed on to the surface around the container opening by a pressure rib attached to the cap part. As the base or root of the washer moves further downwardly, while the contact line between the pressure rib and the packing washer remains fixed, the intermediate portion is expanded. It is therefore pressed against the opening and particularly against the outer edge of the container.

IPC 1-7
B65D 41/04

IPC 8 full level
B65D 41/04 (2006.01)

CPC (source: EP US)
B65D 41/0421 (2013.01 - EP US); **Y10S 215/01** (2013.01 - EP US)

Citation (search report)
• [X] US 4276989 A 19810707 - HICKS DAVID M
• [X] FR 2410608 A1 19790629 - METAL CLOSURES GROUP LTD [GB]
• [X] US 3203571 A 19650831 - PLUNKETT ROBERT L
• [Y] US 4125201 A 19781114 - BIRCH RALPH W

Cited by
CN109661569A; EP0504620A1; EP2812260A4; DE4425675C3; CN107487083A; ES2048060A2; US5423444A; GB2311283A; US5638972A; US5836464A; US6082569A; US10718710B2; WO2018050428A1; WO9602430A1; WO2013119781A1; US8950610B2; US6325228B1; US6805252B2; US7431877B2; WO2008040602A1; WO8912584A1

Designated contracting state (EPC)
AT DE FR GB

DOCDB simple family (publication)
EP 0109631 A2 19840530; EP 0109631 A3 19850731; US 4540102 A 19850910

DOCDB simple family (application)
EP 83111331 A 19831112; US 55136383 A 19831114