

Title (en)

A flexible membrane as an outlet channel stopper

Title (de)

Flexible Membrane als eine Halterung des Auslasskanals

Title (fr)

Une membrane flexible comme dispositif d'arrêt du canal de sortie

Publication

EP 1331036 A1 20030730 (EN)

Application

EP 02380015 A 20020124

Priority

EP 02380015 A 20020124

Abstract (en)

An elastically flexible membrane, made of compressible resilient material is inserted between an internal surface of an orifice defining plate and the opposite surface of an insert. At its centre, the membrane has a bell-shaped dome, which abuts against the internal surface of the orifice defining plate. When liquid is dispensed, the liquid pressure forces the membrane to deform, allowing the liquid to be dispensed. When liquid pressure ceases, the membrane regains its original shape, hereby sealing the orifice. <IMAGE>

IPC 1-7

B05B 1/30; **B05B 1/34**; **B05B 11/00**

IPC 8 full level

B05B 1/30 (2006.01); **B05B 1/34** (2006.01); **B05B 11/00** (2006.01)

CPC (source: EP US)

B05B 1/3436 (2013.01 - EP); **B05B 1/3457** (2013.01 - EP); **B05B 1/3473** (2013.01 - EP); **B05B 11/0067** (2013.01 - EP); **B05B 11/007** (2013.01 - EP); **B05B 11/1016** (2023.01 - EP US)

Citation (applicant)

- US 4249681 A 19810210 - FRENCH FLOYD R [US]
- FR 2524348 A1 19831007 - RAMIS MICHEL [FR]

Citation (search report)

- [X] EP 0845299 A2 19980603 - PORTUGUES DANIEL OSVALDO [AR]
- [DA] FR 2524348 A1 19831007 - RAMIS MICHEL [FR]
- [DA] US 4249681 A 19810210 - FRENCH FLOYD R [US]
- [A] US 5613517 A 19970325 - HANDLER MICHAEL D [US]

Cited by

EP2012935A4; CN109433542A; US7484678B2; US7854352B2

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