

Publication

EP 0663347 A3 19950816 (DE)

Application

EP 94118827 A 19941130

Priority

DE 4344134 A 19931223

Abstract (en)

[origin: EP0663347A2] Covering (A) used as a closure for infusion bottles (3) has a hole (9) as a penetration zone which is covered by a film section (16) of an extension cap (17). It is stretched as far as the lower edge (11) of the cap (1), and folded over. It is bonded to the cap (1). Also claimed is a mfg. process where two strips of deep drawing material are overlaid to pass under the die of a deep drawing tool. The strips are shaped into a cap structure and the edge flash is cut leaving the two cap sections bonded together.

IPC 1-7

B65D 51/00; **B21D 51/46**

IPC 8 full level

A61J 1/05 (2006.01); **B21D 51/46** (2006.01); **B65D 39/04** (2006.01); **B65D 51/00** (2006.01); **B65D 51/18** (2006.01)

CPC (source: EP US)

B65D 51/002 (2013.01 - EP US); **Y10T 29/49796** (2015.01 - EP US); **Y10T 29/49908** (2015.01 - EP US)

Citation (search report)

- [X] FR 1071650 A 19540902 - DUBERNARD ETS
- [X] NL 7212134 A 19730309
- [A] FR 2210552 A1 19740712 - EMA [FR]
- [A] EP 0242453 A2 19871028 - BOJARDI TIZIANO
- [Y] EP 0196591 A2 19861008 - SCHUBERT SEALS AS [DK]
- [Y] US 3959061 A 19760525 - RENCK LAWRENCE E, et al

Cited by

WO2013053384A1; DE102010038031B4; DE102010038031A1; DE102012102881A1; WO2013149844A1; US9585811B2

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DE 4344134 A1 19950629; DE 59406022 D1 19980625; DK 0663347 T3 19990308; EP 0663347 A2 19950719; EP 0663347 A3 19950816; EP 0663347 B1 19980520; ES 2117752 T3 19980816; JP H07275325 A 19951024; US 5588547 A 19961231; US 5682663 A 19971104

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