

Title (en)

IMPROVED MEMBRANE TYPE PIERCEABLE SAFETY SEAL FOR MULTI-DOSE BOTTLES

Publication

**EP 0119970 A3 19851009 (EN)**

Application

**EP 84830079 A 19840320**

Priority

IT 2018483 A 19830321

Abstract (en)

[origin: EP0119970A2] An improved sealing device is described which is especially suited for multi-dose bottles for medical products and is provided with a pierceable membrane; an outer plastic cover (1) is pre-assembled on the bottle neck by thermoforming with an air tight closing element (6), having a center through opening (9). The thus obtained assembly is applied and secured firmly to the neck of the bottle with the interposition of a rubber membrane. The detachment of cover (1) from metal closing element (6) is greatly facilitated and does not require the use of any special tools; the cover can be removed manually by rotating it counterclockwise, exploiting the principle of the inclined plane.

IPC 1-7

**B65D 51/00**

IPC 8 full level

**B65D 51/00** (2006.01)

CPC (source: EP)

**B65D 51/002** (2013.01)

Citation (search report)

- [X] US 3905504 A 19750916 - STADLER REINHARD
- [X] FR 2390341 A1 19781208 - ASICOMO AS [DK]
- [X] GB 1005928 A 19650929 - WEST CO
- [A] FR 784206 A 19350722 - ECONOMIQUE L

Cited by

WO2010030473A1

Designated contracting state (EPC)

AT BE CH DE FR GB LI LU NL SE

DOCDB simple family (publication)

**EP 0119970 A2 19840926; EP 0119970 A3 19851009**; IT 1169403 B 19870527; IT 8320184 A0 19830321

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