Title (en)

FOLLOWER DEVICE FOR DISPENSING PACKAGE

Publication

EP 0140445 A3 19860813 (EN)

Application

EP 84201525 A 19841022

Priority

US 54634483 A 19831031

Abstract (en)

[origin: EP0140445A2] A dispenser for a product is described which incorporates a follower piston slidably mounted therewithin. The dispenser includes an axially extending bore of a tubular container body for housing a product to be dispensed and having an upper end from which the product is dispensed and an open lower end. The follower piston is slidably mounted within the lower end of the bore of the container body to support the product thereabove. The piston is constructed of resilient material and comprises a face portion adapted to contact the product and a peripherally attached sidewall. The sidewall further comprises at least one integral peripheral contact band conforming to the shape of the cross section of the bore, and is adapted to virtually resiliently extend or contract in response to axial forces exerted on the face portion with such change in length resulting in an inversely proportional virtual change in lateral dimension of the peripheral contact band. The peripheral contact band is dimensioned to provide an interference fit within the bore which exerts a predetermined normal force against the inner surfaces of the bore in static condition.

IPC 1-7

B65D 47/34; B65D 83/00

IPC 8 full level

B05C 5/00 (2006.01); **B05B 9/04** (2006.01); **B05B 9/047** (2006.01); **B65D 47/34** (2006.01); **B65D 83/00** (2006.01); **B65D 83/76** (2006.01)

CPC (source: EP)

B65D 83/0033 (2013.01)

Citation (search report)

- [A] GB 1050837 A 19661207
- [A] FR 875780 A 19421002 - PROD CHIM SPECIAUX BREVETS LUM
- [A] LU 76090 A1 19770517

Cited by

FR2702197A1; EP0316102A3

Designated contracting state (EPC)

AT BE CH DE FR IT LI LU NL SE

DOCDB simple family (publication)

EP 0140445 A2 19850508; **EP 0140445 A3 19860813**; CA 1258661 A 19890822; EG 16842 A 19900830; ES 290199 U 19860816; ES 290199 Y 19880416; ES 293629 U 19860816; ES 293629 Y 19880416; GB 2149019 A 19850605; GB 2149019 B 19870729; GB 8427191 D0 19841205; GR 80773 B 19850107; JP H0173375 U 19890517; JP H0217650 Y2 19900517; JP H0217651 Y2 19900517; JP S60104268 U 19850716; MX 162236 A 19910412; MY 102024 A 19920229; PH 21931 A 19880415

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EP 84201525 A 19841022; CA 466646 A 19841030; EG 66584 A 19841030; ES 290199 U 19841030; ES 293629 U 19860416; GB 8427191 A 19841026; GR 840180773 A 19841029; JP 14267288 U 19881031; JP 16560984 U 19841031; MX 20325784 A 19841031; MY PI19871828 A 19870921; PH 31375 A 19841026