

Title (en)

Stick-shaped product container provided with cylindrical aelix rod without slider

Title (de)

Behälter für stiftformige Produkte mit einem kolbenlosen spiralförmigen zylindrischen Stift

Title (fr)

Récipient pour produit en forme de bâtonnet avec une tige-hélice cylindrique dépourvue de piston

Publication

EP 0803447 A1 19971029 (EN)

Application

EP 97830187 A 19970423

Priority

IT RM960269 A 19960423

Abstract (en)

stick shaped product container, eventually with added fluid product, comprising an outer tubular body (1, 101, 201), a closed bottom provided with an opening (13), on which is snap coupled a rotation body (16, 116) comprising a rotation knob (17, 117) provided with outer projections (22) axially engaged, free to rotate, with said opening (13) and a closes surface (21, 121) from which a coaxial, axial helix raises for a roto-translatory engagement with a axial helix shaped cavity (26, 126), obtained with the solidified liquefied stick product in touch with said axial helix (18) acting as a mold. To a mutual rotation between the rotation knob and the outer body, a rotation of the axial helix (18) is obtained, said helix (18) by a thrusting action on the axial helix shaped cavity (26, 126), determines an axial movement of said stick, the latter being prevented to rotate by the axial guide of the inner wall. <IMAGE>

IPC 1-7

B65D 83/00; A45D 40/04

IPC 8 full level

A45D 40/04 (2006.01)

CPC (source: EP)

A45D 40/04 (2013.01)

Citation (search report)

- [XA] US 3917417 A 19751104 - LANG FRANK J
- [X] US 3612704 A 19711012 - MARCHANT PAUL A
- [A] DE 500183 C 19300618 - PIERRE GENANNT GASTON BAQUEY
- [A] FR 2559135 A1 19850809 - BESINS ISCOVESCO LABORATOIRES [FR]
- [A] EP 0135861 A2 19850403 - AMERICAN CYANAMID CO [US]
- [A] US 2344060 A 19440314 - RAY HARRY S
- [A] US 3585265 A 19710615 - MOTSAVAGE VINCENT A, et al
- [A] DE 9016231 U1 19910214
- [DA] US 5007755 A 19910416 - THOMPSON HAROLD R [US]
- [DA] US 5181790 A 19930126 - LUCAS MARTHE [FR]
- [DA] US 4702399 A 19871027 - DAVIS JOHN W [GB]
- [DA] US 4664547 A 19870512 - ROSENWINKEL KAREN W [US]
- [A] DE 4227387 A1 19940224 - SCHUCKMANN ALFRED VON [DE]
- [A] EP 0250373 A2 19871223 - CITTERIO GIANFRANCO
- [A] FR 1283961 A 19620209

Cited by

KR200487201Y1; EP1016357A1

Designated contracting state (EPC)

DE ES FR GB

DOCDB simple family (publication)

EP 0803447 A1 19971029; IT 1284633 B1 19980521; IT RM960269 A0 19960423; IT RM960269 A1 19971023

DOCDB simple family (application)

EP 97830187 A 19970423; IT RM960269 A 19960423