

Title (en)
Closure cap with integrated dispensing pump

Title (de)
Verschlusskappe mit integrierter Spenderpumpe

Title (fr)
Capuchon de fermeture avec pompe intégrée

Publication
EP 0810036 A3 20001227 (DE)

Application
EP 97108654 A 19970529

Priority
DE 29609625 U 19960530

Abstract (en)
[origin: EP0810036A2] The closure cap (1) with integrated pump (2) has a hollow piston rod (6) turnable and movable in a top aperture (5), and a pump housing (10) connected to the cap. The cap is non-turnably fastened to a container. The fastening consists of a positive locking connection, active in direction of turning (1), between cap and container. The cap is oval, and snap-fastened to the container neck. A locking projection (28) on the inside (27) of the cap acts with a complementary locking groove in the container neck.

IPC 1-7
B05B 11/00; **B65D 47/34**

IPC 8 full level
B05B 11/00 (2006.01); **B65D 47/34** (2006.01)

CPC (source: EP)
B05B 11/1001 (2023.01); **B05B 11/1047** (2023.01); **B05B 11/106** (2023.01)

Citation (search report)

- [X] GB 2041339 A 19800910 - AFA CORP
- [X] US 5492252 A 19960220 - GUERET JEAN-LOUIS H [FR]
- [XY] US 3179306 A 19650420 - CORSETTE DOUGLAS F
- [Y] US 4117945 A 19781003 - MUMFORD GEORGE V
- [A] EP 0450234 A2 19911009 - CALMAR INC [US]

Cited by
EP1676639A1; DE19940236A1; FR2846304A1; DE102004061965B3; CN103708091A; US7770758B2; WO2004039504A1

Designated contracting state (EPC)
BE DE FR NL

DOCDB simple family (publication)
EP 0810036 A2 19971203; EP 0810036 A3 20001227

DOCDB simple family (application)
EP 97108654 A 19970529