

Title (en)

Storage and dispensing device for a liquid or semi-liquid product

Title (de)

Aufbewahrungs- und Ausgabevorrichtung für flüssige oder halbflüssige Produkte

Title (fr)

Ensemble de conditionnement et de distribution d'un produit liquide ou semi liquide

Publication

EP 0905052 A1 19990331 (FR)

Application

EP 98402116 A 19980826

Priority

FR 9711577 A 19970917

Abstract (en)

A container and dispenser for liquid products having a fixed outlet nozzle is provided with a push button type dispenser pump operated by a linkage system. A unit (1) for packaging and dispensing of a product contained in a reservoir (12) surmounted by a distributor unit (30) having a hollow stem (33) with an axis A. The operating means for the distributor has a support surface (38) and a rotary coupling (100,101) between the hollow stem and press button (34). This button, in response to pressure exerted on the support surface outside the axis A of the hollow stem, causes a movement of the activating means around the axis of the hollow stem, in a cone of which the summit is situated on the axis A of the stem and transmitted to the hollow stem. This exerts a force along the axis of the stem so as to cause a downwards displacement of the hollow stem and the expulsion of the product through an outlet (9). The device comprises a body (10) having an axis (X) forming the reservoir for the product, the product being dispensed via at least one orifice provided in the outlet. The outlet is connected to the distribution element by way of a flexible connecting tube (41) and is held immovably on a fixed portion (51) of the body surmounting the reservoir, the activating element being mounted independently of the fixed part of the body.

Abstract (fr)

La présente demande concerne un ensemble de conditionnement et de distribution d'un produit contenu dans un réservoir (12) surmonté d'un élément de distribution (30) présentant une tige creuse (33), montée sur des moyens de rappel élastique, et sur laquelle est monté un organe d'actionnement (34) dudit élément de distribution, ledit organe d'actionnement comprenant une surface d'appui (38), un couplage formant rotule (101) étant prévu entre la tige creuse (33) et le bouton poussoir (34). Selon l'invention, l'ensemble comprend un corps (10) formant ledit réservoir (12) pour le produit, le produit sortant au travers d'au moins un orifice ménagé dans un organe de sortie (9), relié à l'élément de distribution par un conduit (41) formant un couplage flexible, et étant maintenu de façon sensiblement immobile sur une portion (51) fixe du corps surmontant le réservoir (12), l'organe d'actionnement (34) étant monté de façon indépendante par rapport à ladite portion (51) fixe du corps. <IMAGE>

IPC 1-7

B65D 83/16; **B05B 15/06**

IPC 8 full level

B05B 11/00 (2006.01); **B05B 15/06** (2006.01); **B05B 15/654** (2018.01); **B65D 83/16** (2006.01)

CPC (source: EP US)

B05B 11/1015 (2023.01 - EP US); **B05B 11/1056** (2023.01 - EP US); **B05B 15/654** (2018.01 - EP US); **B65D 83/20** (2013.01 - EP US); **B05B 11/0038** (2018.07 - EP US); **B05B 11/1011** (2023.01 - EP US)

Citation (applicant)

- FR 2692235 A1 19931217 - OREAL [FR]
- FR 2682937 A3 19930430
- EP 0747131 A2 19961211 - OREAL [FR]
- EP 0385077 A2 19900905 - COSTER TECNOLOGIE SPECIALI SPA [IT]
- US 3149761 A 19640922 - HARRIS WILLIAM C, et al
- EP 0556128 A1 19930818 - OREAL [FR]
- FR 2669244 A1 19920522 - OREAL [FR]

Citation (search report)

- [DA] US 3149761 A 19640922 - HARRIS WILLIAM C, et al
- [DA] EP 0556128 A1 19930818 - OREAL [FR]

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NL1030555C2; US6479949B1; US6404140B1; US10549289B2; WO2007064207A3; US8814010B2; US10406536B2; US8469241B2; US9079198B2; US10940494B2

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