

Title (en)

Electronic dispenser of nebulized liquid products.

Title (de)

Elektronischer Spender für gesprühte Flüssigkeiten.

Title (fr)

Distributeur électronique de produits liquides pulvérisés.

Publication

EP 0661101 A1 19950705 (EN)

Application

EP 94119894 A 19941216

Priority

IT BO930530 A 19931229

Abstract (en)

The liquid product to be dispensed in nebulized doses is packaged in a canister (6) having a pump located preferably in a non-axial position, so that its nebulizing cylinder (107) is a short distance from a window in the container (3) that carries the various components of the dispenser. The canister (6) is inserted so that the base of its body and said cylinder (107) are between a fixed or reaction part and a part mounted on the movable member of an electromagnet (4) which when energized exerts the force required to actuate the pump and dispense a nebulized dose of the product, which is discharged through said window. The electromagnet (4) is constructed in such a way as to generate sufficient force gradually so as to ensure complete nebulization of the product dispensed while absorbing only a small amount of electrical energy. Also provided are low-consumption electronic components which not only control said electromagnet (4) but also make it possible to program the frequency with which the dispenser is actuated and to signal when the canister (6) is at its reserve level or is exhausted. <IMAGE>

IPC 1-7

B05B 11/00; **B05B 12/08**

IPC 8 full level

B05B 11/00 (2006.01); **B05B 12/00** (2018.01); **A61L 9/12** (2006.01); **B05B 12/02** (2006.01); **B05B 12/08** (2006.01)

CPC (source: EP)

B05B 11/1052 (2023.01); **B05B 12/004** (2013.01)

Citation (search report)

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- [A] US 4154375 A 19790515 - BIPPUS JACOB R [US]
- [A] PATENT ABSTRACTS OF JAPAN vol. 13, no. 501 (C - 652) 10 November 1989 (1989-11-10)
- [A] HENRI SAPORTA: "UN PROCESSEUR À PARTICULES POUR LE VYP", EMBALLAGE DIGEST, vol. 34, no. 374, February 1993 (1993-02-01), BOULOGNE (FR), pages 10 - 12, XP000354932

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DOCDB simple family (application)

EP 94119894 A 19941216; IT BO930530 A 19931229; JP 33664294 A 19941226