Title (en)

DEVICE FOR STORING AND CONTROLLED DISPENSING OF PRESSURIZED PRODUCTS AND A METHOD FOR THE MANUFACTURING OF SAID DEVICE.

Title (de)

VORRICHTUNG ZUR LAGERUNG UND KONTROLLIERTEN ABGABE VON UNTER DRUCK STEHENDEN PRODUKTEN UND VERFAHREN ZU IHRER HERSTELLUNG.

Title (fr)

DISPOSITIF POUR LE STOCKAGE ET LA DISTRIBUTION CONTROLEE DE PRODUITS SOUS PRESSION ET PROCEDE POUR SA FABRICATION.

Publication

EP 0320510 B1 19931208 (DE)

Application

EP 88905346 A 19880627

Priority

- CH 242987 A 19870626
- CH 418087 A 19871026

Abstract (en)

[origin: WO8810221A1] A flexible bag (4) filled with the product (5) is accommodated in a rigid container (1). The flexible bag (4) is welded to the valve unit A. The container (1) is hermetically sealed by an annular membrane (17) press-filled in the container neck (19) and a double annular rib (18) press-filled in the annular groove (20) and by the weld (23) of the closure cap (22). The product is forced through the bore (11) in the valve disk (7) into the container when the valve piston is pressed into the bag (4) and by compressed air. The valve unit then closes the bag (4) and the washer (12), which functions as a non-return valve, seals the container (1) and prevents loss of pressure. When the valve unit is opened, the pressure in the container compresses the bag (4) so that the product can be dispensed through the nozzle (14).

IPC 1-7

B65D 83/14

IPC 8 full level

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CPC (source: EP US)

B65D 83/14 (2013.01 - EP US); **B65D 83/38** (2013.01 - EP US); **B65D 83/48** (2013.01 - EP US); **B65D 83/62** (2013.01 - EP US)

Cited by

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DOCDB simple family (publication)

WO 8810221 A1 19881229; AU 1950188 A 19890119; AU 606182 B2 19910131; BR 8807106 A 19891031; DE 3886184 D1 19940120; DK 89189 A 19890224; DK 89189 D0 19890224; EP 0320510 A1 19890621; EP 0320510 B1 19931208; FI 890836 A0 19890222; FI 890836 A 19890222; IN 171132 B 19920801; JP 2612758 B2 19970521; JP H02500572 A 19900301; US 4969577 A 19901113

DOCDB simple family (application)

CH 8800115 W 19880627; AU 1950188 A 19880627; BR 8807106 A 19880627; DE 3886184 T 19880627; DK 89189 A 19890224; EP 88905346 A 19880627; FI 890836 A 19890222; IN 889CA1988 A 19881026; JP 50503488 A 19880627; US 34253689 A 19890227