

Title (en)

Device for dispensing, under pressure, a product, especially a foaming product, and methods of filling a container for such a device.

Title (de)

Vorrichtung zum Spenden eines unter Druck stehenden Produktes, insbesondere eines schaumförmigen Produktes, und Verfahren zum Füllen eines Behälters einer solchen Vorrichtung.

Title (fr)

Dispositif pour distribuer sous pression un produit, en particulier un produit moussant, et procédés de remplissage d'un récipient pour un tel dispositif.

Publication

**EP 0494004 B1 19950705 (FR)**

Application

**EP 91403465 A 19911219**

Priority

FR 9016539 A 19901231

Abstract (en)

[origin: EP0494004A1] The device comprises a container (3) equipped, at the top, with an opening (4) on which is mounted a dispensing valve (11), and a flexible pouch (9) arranged inside the said container (3) in order to form a separation between the product (2) to be dispensed and a propellant means (14) capable of maintaining an internal pressure sufficient for the dispensing of the product. The active product (2) to be dispensed is located inside the flexible pouch (9) and the valve (11) has no plunger tube; a quantity of propellant means (14) is introduced into the volume (10) of the container (3) located around the flexible pouch (9); the flexible pouch (9) is produced from a membrane which is sufficiently permeable to allow maintenance of a balance of the gaseous pressure of the propellant means (14) between the volume (10) outside the pouch (9) and the inside of this pouch (9). <IMAGE>

IPC 1-7

**B65D 83/14**; **B65B 31/10**

IPC 8 full level

**B65B 31/00** (2006.01); **B65D 83/14** (2006.01); **B65D 83/16** (2006.01); **B65D 83/28** (2006.01); **B65D 83/42** (2006.01); **B65D 83/58** (2006.01)

CPC (source: EP)

**B65B 31/003** (2013.01); **B65D 83/62** (2013.01)

Cited by

EP0994042A4; EP0743253A1; FR2829747A1; FR2829748A1; CN103534179A; EP1122190A1; FR2804665A1; US6332563B2; FR2841159A1; US9457160B2; WO03033355A1; WO03099681A1; US9701430B2; US9950821B2

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**EP 0494004 A1 19920708**; **EP 0494004 B1 19950705**; DE 69111042 D1 19950810; DE 69111042 T2 19960411; FR 2671055 A1 19920703; FR 2671055 B1 19940819; JP 2995511 B2 19991227; JP H05254579 A 19931005

DOCDB simple family (application)

**EP 91403465 A 19911219**; DE 69111042 T 19911219; FR 9016539 A 19901231; JP 36134591 A 19911227