

Title (en)

Dosing apparatus adaptable to various containers

Title (de)

An verschiedene Behälter anpassbare Dosiervorrichtung

Title (fr)

Dispositif doseur adaptable sur des contenants divers

Publication

EP 0726097 B1 20000802 (FR)

Application

EP 95440085 A 19951219

Priority

FR 9500143 A 19950104

Abstract (en)

[origin: US5704519A] The present invention comprises a) a push button containing a dose chamber, the chamber being defined by a peripheral wall and an upper wall and being traversed centrally by a tube which communicates with the ejection opening and is pierced radially, near its lower end, by at least one opening; b) a support which can be fitted on the container containing the material to be dispersed, on which the push button fits and on which it can slide axially; the upper part of the support is closed by a wall which comprises a central opening which permits the passage of the tube of the push button, and at least one orifice having an axis which is parallel to the opening, and made in the periphery of the support; c) a part of elastic deformable material, arranged between the push button and the support, the part comprising an extendable tubular portion which is closed at its base by a wall and which contains the tube of the push button; the lower end of the tube comes against the base wall; around the upper edge of the tubular portion, there is a collar adapted to insert itself in the upper wall of the support, for closing the peripheral orifice or orifices of the upper wall; the collar has at its upper face an annular groove bordered on the outside by a lip which is applied against the inner face of the outer wall of the push button; the collar is adapted to be deformed in order to free the peripheral orifice or orifices of the upper wall of the support.

IPC 1-7

B05B 11/00; **B65D 47/34**

IPC 8 full level

G01F 11/04 (2006.01); **B05B 11/00** (2006.01); **B65D 47/20** (2006.01); **B65D 47/34** (2006.01); **B65D 83/76** (2006.01); **B67D 7/08** (2010.01); **F04B 9/14** (2006.01)

CPC (source: EP US)

B05B 11/007 (2013.01 - EP US); **B05B 11/1001** (2023.01 - EP US); **B05B 11/1004** (2023.01 - EP US); **B05B 11/1064** (2023.01 - EP US); **B05B 11/1067** (2023.01 - EP US); **B05B 11/1076** (2023.01 - EP US); **B05B 11/1077** (2023.01 - EP US); **B05B 11/028** (2023.01 - EP US)

Cited by

WO02089996A1; FR2754316A1; FR2824538A1; US7178701B2

Designated contracting state (EPC)

AT BE CH DE DK ES GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

US 5704519 A 19980106; AT E195082 T1 20000815; DE 69518222 D1 20000907; DE 69518222 T2 20010426; EP 0726097 A1 19960814; EP 0726097 B1 20000802; ES 2151040 T3 20001216; FR 2728809 A1 19960705; FR 2728809 B1 19970404; JP 3905934 B2 20070418; JP H0926346 A 19970128

DOCDB simple family (application)

US 58260796 A 19960103; AT 95440085 T 19951219; DE 69518222 T 19951219; EP 95440085 A 19951219; ES 95440085 T 19951219; FR 9500143 A 19950104; JP 34302695 A 19951228