

Title (en)

Variable ratio dispensing apparatus for two or more materials contained in cartridges.

Title (de)

Vorrichtung zum Abgeben von zwei oder mehr, in Kartuschen enthaltenen Produkten in variablem Verhältnis untereinander.

Title (fr)

Dispositif apte à débiter un pourcentage variable de deux ou plusieurs produits contenus dans des récipients à fond mobile.

Publication

EP 0045339 A1 19820210 (FR)

Application

EP 80830033 A 19800530

Priority

- IT 2124080 A 19800408
- IT 2141780 U 19800408

Abstract (en)

1. Apparatus suited to dispense two or more materials contained in cartridges having movable end walls, particularly suited for viscous materials, including a casing (10) with housings (11) for said cartridges (B, b), means for pushing the movable ends of said cartridges, formed by two or more push rods (21, 25) provided on their head end with pushing disks (22, 26), means for transmitting the forward movement to said push rods, means for controlling said transmitting means and means to arrest the backward motion of said rods, characterized in that the means for transmission include at least one shaft (17) with two or more eccentrics (19, 23), each one of them being directly or indirectly linked to the shaft (17), one at least of the eccentrics (23) being so shaped that the position of the contact line between the eccentric (23) and a plate (24) is adjustable in order to allow adjustment of the forward movement of the corresponding push rod (25) in respect to the other one or to the other ones, and so to allow to change the ratio of the corresponding material in respect to the other material or the other materials ; that two or more plates (20, 24) which cooperate near one of their ends with said cams (19, 23) and are provided near the other end with a hole (20a, 24a) through which passes the corresponding push rod (21, 25), two or more springs pressing on one side on a member which is fastened to the casing (12, 16) and on the other side pressing on said plates (20, 24) in the direction opposite to the forward movement of the rods (21, 25), so as to maintain said plates constantly tilted and hence engaged on one side by the edge top of the hole (20a, 24a) with the rods (21, 25) and on the other side with the eccentrics (19, 23), so that at any slight movement of the driving shaft (17) and hence of pushing of the plates (20, 24) imparted by the eccentrics (19, 23) in the direction of the forward movement of the push rods (21, 25), the latter advance immediately, said plates so engaged and achieving the transmission of the forward movement of the rods with continuous action ; that the control means consist of a lever (18), which is integrally linked at one of its ends with said driving shaft (17) so as to exert a continuous action on said shaft (17), and which can be long at will and so that the rotation effort exerted by the lever (18) on the shaft (17) can be great at will.

Abstract (fr)

Le dispositif prévoit les moyens aptes à pousser les fonds mobiles de deux ou plusieurs récipients (3,6), étant donné que l'un au moins de ces moyens réalisé sous forme d'excentrique réglable, de façon à ce que le pourcentage de l'un de ces produits peut être varié par rapport à la quantité des autres produits débités.

IPC 1-7

B65B 69/00; **B05C 17/00**

IPC 8 full level

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CPC (source: EP)

B05C 17/00553 (2013.01); **B65B 69/005** (2013.01); **B05C 17/01** (2013.01)

Citation (search report)

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