

Title (en)
PRESSURE-ACTIVATED DISPENSER FOR OPERAING TWIN CARTRIDGES

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Application
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Abstract (en)
[origin: EP0276665A2] The conventional dispenser, designed in "pistol form", for twin cartridges (40) with a feed piston (42) has a pressure-activated cylinder/piston unit (1) with plungers (7) extending from the piston (5, 6) and intended for the advance of the feed piston. The problem is that, during the piston advance, the reaction forces acting on the two plungers (7) from the feed pistons (42) can differ greatly (different viscosities of the substances contained in the two cartridge cylinders 41 and/or different cross-sections of the cartridge cylinders 41). To prevent the piston (5, 6) from "tilting" or jamming, according to the invention there is in the cylinder space (14, 15) a rigid longitudinal guide (10) between the two cylinder bottoms (2, 4), on which the piston is supported slidably by means of an elongate guide bore (9). The longitudinal guide (10) can at the same time stiffen the cylinder (2, 3, 4) and, furthermore, guide the pressure medium into the pressure space (15) behind the piston (5, 6) via a longitudinal channel (20). In connection with this, a rapid venting (21 - 24) for the pressure space (15) and control means (31, 32) for the return of the piston unit (5, 6) together with plungers (7) to the initial position are described. Moreover, restoring means (38, 39) for the piston to relieve the plungers after each advance step and indicator members (60, 61) for the cartridge filling level are disclosed. <IMAGE>

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IPC 8 full level
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