

Title (en)  
CARTRIDGE MAGAZINE FOR FREE-FLOWING SUBSTANCES

Publication  
**EP 0302819 B1 19920729 (DE)**

Application  
**EP 88810268 A 19880426**

Priority  
DE 3725291 A 19870730

Abstract (en)  
[origin: JPS6445282A] PURPOSE: To ensure safe storage and transportation of a flowable mass and improve the convenience for use by assembling a discharge nozzle and a container as separate parts into a unit and furnishing the container with a bottom section removable when the parts come into contact with the connection area of a discharge groove. CONSTITUTION: After containers 1, 2 are filled with a flowable mass, the open front face of each container is closed with a plunger. Container's bottoms 4, 5 have removable bottom sections 6, 7 at the center. Ejectors 12, 13 are placed in the regions facing to bottom sections 6, 7, and contact to them. And the bottom sections 6, 7 are surrounded by annular sections 8, 9 having a contracted cross-section. A discharge nozzle 3 has discharge grooves 10, 11 in relation with the containers 1, 2 and is provided with ejectors 12, 13 in the regions facing to the bottom sections. The ejectors 12, 13 are in contact with the bottom sections 6, 7 when contact faces 14, 15 of the containers 1, 2 are separated from contact faces 16, 17 of the discharge nozzle 3. When there is no gap among the contact faces 14, 15, 16, 17, the ejectors 12, 13 are separated from the bottom sections 6, 7 and come into the containers 1, 2.

IPC 1-7  
**B05C 17/00**; **B65D 83/00**

IPC 8 full level  
**B05C 17/00** (2006.01); **B05C 17/005** (2006.01); **B65D 47/06** (2006.01); **B65D 47/36** (2006.01); **B65D 51/22** (2006.01); **B65D 81/32** (2006.01); **B65D 83/00** (2006.01); **B05C 17/01** (2006.01)

CPC (source: EP US)  
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Cited by  
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