

Title (en)  
DISPENSING DEVICE FOR FLOWING MATERIALS

Publication  
**EP 0213476 A3 19871202 (DE)**

Application  
**EP 86111114 A 19860812**

Priority  
DE 3530486 A 19850827

Abstract (en)  
[origin: US4728008A] A dispenser or delivery apparatus for flowable media, particularly very viscous or gel-like media, has a dosing chamber body (38) located within the stored medium and the body (38) moves backwards and forwards over part of the pump stroke of the pump piston (10) of a thrust piston pump (8). Body (38) defines the piston bath (53) for pump piston (10) surrounding pump chamber (59) and the valve body (48) of an intake valve (47) for pump chamber (59). Accompanied by reliable filling of pump chamber (59) and small piston paths, this leads to a very accurate dosing of the medium quantity discharged per piston stroke.

IPC 1-7  
**B67D 5/02**; **B65D 83/00**

IPC 8 full level  
**B05B 11/00** (2006.01); **B05B 15/00** (2006.01); **B05B 15/30** (2018.01); **B65D 47/34** (2006.01); **B65D 83/00** (2006.01); **B65D 83/76** (2006.01); **B67D 7/02** (2010.01)

CPC (source: EP US)  
**B05B 11/029** (2023.01 - EP US); **B05B 11/1001** (2023.01 - EP US); **B05B 11/1066** (2023.01 - EP US); **B05B 11/1074** (2023.01 - EP US); **B05B 11/1094** (2023.01 - EP US); **B05B 15/30** (2018.01 - EP US)

Citation (search report)  
• [X] FR 2282545 A1 19760319 - STERLING WINTHROP GROUP LTD [GB]  
• [X] FR 2546483 A1 19841130 - AEROSOL INVENTIONS DEV [CH]  
• [A] DE 2711795 A1 19780921 - LINDAL GMBH AEROSOL TECH  
• [A] FR 2393279 A1 19781229 - NORMOS NORBERT [FR]  
• [A] FR 2344339 A3 19771014 - COSTER TECNOLOGIE SPECIALI SPA [IT]

Cited by  
EP0439648A1; FR2732742A1; US5983927A; EP0765690A1; US6302304B1; WO9113281A1; WO9631718A1

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