

Title (en)  
Spraying- and metering device.

Title (de)  
Sprüh- und Dosiervorrichtung.

Title (fr)  
Dispositif vaporisateur-doseur.

Publication  
**EP 0453357 A1 19911023 (FR)**

Application  
**EP 91400992 A 19910415**

Priority  
FR 9005026 A 19900419

Abstract (en)  
Spraying-metering system for liquid or viscous products, comprising a pump, of the mechanical piston and plunger type, which pump is positioned in a receptacle containing the product to be dispensed, characterised in that the body (3) of the said pump is force-fitted into the neck (7) of the receptacle (2), in that the upper portion of the said body is terminated by a flange (12) which abuts against the neck (7) and in that means are provided on the said body for ensuring the escape of the air from the receptacle, during the fitting of the body, a vent hole (9) made in the body emerging on the said means. <IMAGE>

IPC 1-7  
**B05B 11/00**

IPC 8 full level  
**B05B 11/00** (2006.01); **B65D 47/34** (2006.01)

CPC (source: EP US)  
**B05B 11/0013** (2013.01 - EP US); **B05B 11/1026** (2023.01 - EP US); **B05B 11/1047** (2023.01 - EP US)

Citation (search report)

- [A] DE 85608 C
- [A] EP 0339125 A1 19891102 - SAR SPA [IT]
- [A] US 4050860 A 19770927 - BERES STEVE W

Cited by  
EP0922499A3; FR2847561A1; CN100446872C; FR2719292A1; US5845819A; FR2756547A1; FR2734246A1; US5709324A; FR2694607A1; US5377881A; EP0583193A3; FR2796050A1; EP0628355A1; FR2706137A1; US5509584A; US6540116B1; WO9823505A1; WO9529760A1; WO0103850A1; WO2004047999A1; US6209759B1; US6471097B2; US6186370B1; DE202010003949U1; US7134578B2; EP0888824A1; EP2641660A1

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DOCDB simple family (application)  
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