

Title (en)  
SAMPLING-TYPE SPRAYING DEVICE

Title (de)  
VORRICHTUNG ZUM ZERSTÄUBEN VON PROBEN

Title (fr)  
DISPOSITIF DE PULVERISATION DU TYPE ECHANTILLON

Publication  
**EP 1080017 A1 20010307 (FR)**

Application  
**EP 99919336 A 19990517**

Priority  
• FR 9901164 W 19990517  
• FR 9806216 A 19980518

Abstract (en)  
[origin: FR2778639A1] The dispenser to spray a liquid sample has a reservoir to hold the liquid and a spray outlet. The reservoir has a flexible wall (131) which can be pressed by a force (F) at right angles to its surface, to compress the reservoir and force the liquid out through the spray nozzle. The flexible wall (131) requires a given pressure level before it can be compressed. The material for the flexible wall (131) has a memory character, to reassert into its original condition when the pressure (F) is released. The flexible wall (131), on compression, forces a constant dosed vol. of the liquid through the nozzle. When at rest, the flexible wall (131) has a convex curvature, which can be depressed sharply and easily into a concave when under pressure (F). The flexible wall has a groove or reinforcement rib (132) to increase rigidity or define its circumference. The reservoir can hold a liquid and a gas, to give a biphasic spray action through the nozzle. A jet has a porous retainer to soak in the liquid product, upstream of the spray nozzle. The spray nozzle is hermetically sealed by a button, before use. The reservoir is a thermoplastic shell formed by heat shaping, to give a flexible wall (131) and a protective film. Two shells can be used which, together, form the reservoir.

IPC 1-7  
**B65D 1/32**; **B65D 83/00**

IPC 8 full level  
**A45D 37/00** (2006.01); **B05B 11/04** (2006.01); **B05B 11/06** (2006.01); **B65D 1/32** (2006.01); **B65D 83/00** (2006.01); **A45D 34/04** (2006.01); **A45D 40/00** (2006.01)

CPC (source: EP US)  
**A45D 37/00** (2013.01 - EP US); **B05B 11/043** (2013.01 - EP US); **B05B 11/048** (2013.01 - EP US); **B05B 11/068** (2013.01 - EP US); **B65D 1/32** (2013.01 - EP US); **B65D 83/0055** (2013.01 - EP US); **A45D 40/0087** (2013.01 - EP US); **A45D 2200/057** (2013.01 - EP US)

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