

Title (en)

Device for spraying a fluid product

Title (de)

Sprühvorrichtung für ein flüssiges Mittel

Title (fr)

Dispositif de pulvérisation d'un produit fluide

Publication

**EP 1279607 B1 20060913 (FR)**

Application

**EP 02291675 A 20020704**

Priority

FR 0109932 A 20010725

Abstract (en)

[origin: EP1279607A1] An atomizer comprises: (1) reservoir (10) for a fluid product, with at least one deformable zone (11) which is pressed to expel a spray; (2) inner plunger tube (30) with one end (30a) located close to the bottom of the reservoir, and its other end (30b) connected via a channel (22) to a spray outlet (21); and (3) air passage (41) allowing air inside the reservoir to mix with the product in the plunger tube. An atomizer consists of a reservoir (10) for a fluid product, made with at least one deformable zone (11) which is pressed to expel a spray. It has an inner plunger tube (30) with one end (30a) located close to the bottom of the reservoir, and its other end (30b) connected via a channel (22) to a spray outlet (21). It also has an air passage (41) allowing air inside the reservoir to mix with the product in the plunger tube. The deformable zone (11) has a predetermined threshold of resistance to pressure, so that the volume of the reservoir is not reduced before a pressure is applied to it.

IPC 8 full level

**B65D 1/32** (2006.01); **B05B 11/04** (2006.01)

CPC (source: EP US)

**B05B 11/043** (2013.01 - EP US); **B65D 1/32** (2013.01 - EP US)

Cited by

EP1757526A1; AU2004207049B2; CN111703723A; US7780041B2; US7690536B2; WO2004067392A3; WO2014023494A1

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