

## Title (en)

Spraying device and use of same

## Title (de)

Sprühvorrichtung und Verwendung dieser Vorrichtung

## Title (fr)

Dispositif de pulvérisation et utilisation de ce dispositif

## Publication

**EP 1878507 B2 20230830 (FR)**

## Application

**EP 07111772 A 20070704**

## Priority

- FR 0606259 A 20060710
- FR 0700485 A 20070124

## Abstract (en)

[origin: EP1878507A2] The device has a spray nozzle (16) with an inner chamber receiving a non-gaseous fluid product e.g. pharmaceutical product, under pressure and delimited towards outer side by a perforated front wall (17b). A dispensing device is mechanically actuated by a push-button (9), and transfers the product from a reservoir to the inner chamber of the nozzle. The front wall has a set of calibrated holes (22), where diameter of each hole ranges between 1 and 100 micrometer and does not differ from a mean of the diameters of the other holes by above 20 percentages. The front wall is made of a material chosen from silicon, glass, metal, alloy, ceramics and polymers, and is made in the form of a complex including a polymer layer chosen from polyethylene and polypropylene, polyester layer and metallic material.

## IPC 8 full level

**B05B 1/18** (2006.01); **B05B 1/14** (2006.01); **B05B 11/00** (2023.01); **B65D 83/14** (2006.01)

## CPC (source: EP US)

**B05B 1/14** (2013.01 - EP US); **B05B 1/185** (2013.01 - US); **B65D 83/753** (2013.01 - EP US); **B05B 11/10** (2023.01 - EP US)

## Citation (opposition)

## Opponent :

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DE FR GB

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## DOCDB simple family (application)

**EP 07111772 A 20070704**; BR PI0702942 A 20070709; EP 17175982 A 20070704; FR 0700485 A 20070124; RU 2007125994 A 20070709; US 77543107 A 20070710