

Title (en)  
Spraying device and use of same

Title (de)  
Sprühhvorrichtung 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)

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Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**EP 1878507 A2 20080116; EP 1878507 A3 20100303; EP 1878507 B1 20170906; EP 1878507 B2 20230830**; BR PI0702942 A 20080226; BR PI0702942 A8 20150407; BR PI0702942 B1 20190108; EP 3246096 A1 20171122; EP 3246096 B1 20210908; FR 2903329 A1 20080111; FR 2903329 B3 20081003; RU 2007125994 A 20090120; US 2008006719 A1 20080110; US 7748647 B2 20100706

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