

Title (en)  
SPRAY NOZZLE

Title (de)  
ZERSTÄUBUNGSDÜSE

Title (fr)  
BUSE DE PULVERISATION

Publication  
**EP 0802827 B1 19980812 (FR)**

Application  
**EP 96901030 A 19960109**

Priority  
• FR 9600028 W 19960109  
• FR 9500258 A 19950111

Abstract (en)  
[origin: WO9621512A1] A spray nozzle mountable on the outlet (3) of a fluid dispensing device for dividing a fluid into fine droplets. The nozzle includes a core (11) and an atomiser (2) together defining a vortex chamber (14, 24) communicating with the outside via a spray port (21) in said atomiser (2), and a number of vortex channels (15, 16) opening non-radially into the vortex chamber (14, 24). The atomiser (2) has an oblong shape with a longitudinal major axis lying in a horizontal plane. Said vortex channels (15, 16) preferably communicate with the outlet (3) of the spray device via two symmetrical feed ducts (12, 13) extending on either side of the core (11) and lying in a horizontal plane.

IPC 1-7  
**B05B 1/34**; **B65D 83/16**

IPC 8 full level  
**B05B 1/34** (2006.01); **B65D 83/16** (2006.01)

CPC (source: EP US)  
**B05B 1/3436** (2013.01 - EP US); **B65D 83/20** (2013.01 - EP US)

Cited by  
US9963288B2; US6302101B1; WO2012110744A1; US6761286B2; US9725228B2; WO2013049867A1; US9938128B2; US10464801B2;  
US7331944B2; WO2011157932A1; US9668914B2

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ES 2122780 T3 19981216; FR 2729091 A1 19960712; FR 2729091 B1 19970530; US 5931386 A 19990803

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