

Title (en)
SPRAY NOZZLE

Title (de)
ZERSTÄUBUNGSDÜSE

Title (fr)
BUSE DE PULVERISATION

Publication
EP 0802827 A1 19971029 (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)

Citation (search report)
See references of WO 9621512A1

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

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