

Title (en)
Dual fluid spray nozzle

Title (de)
Zweistoffsprühdüse

Title (fr)
Buse de vaporisation à deux fluides

Publication
EP 1243343 B1 20030813 (DE)

Application
EP 01106427 A 20010322

Priority
EP 01106427 A 20010322

Abstract (en)
[origin: EP1243343A1] Two material spray nozzle comprises a housing (1) with a mixing chamber (2) and connecting channels (3, 5) for the supply of a gaseous and a liquid medium; and a mouthpiece (6) having a bore (8) and an outlet opening (9). A twisted insert (11) is arranged in the bore of the mouthpiece and the outlet opening is provided centrally on the base (8a) of the mouthpiece with a diameter corresponding to half the diameter of the bore. Preferred Features: The outlet opening extends to a outlet cone (10) whose outlet angle (α) adapts to the desired spray angle. The part of the base surrounding the outlet opening is planar or directed at right angles to the axis of the bore.

IPC 1-7
B05B 7/10; B05B 1/34; B22D 11/124

IPC 8 full level
B05B 7/04 (2006.01); **B05B 7/10** (2006.01); **B05B 7/32** (2006.01); **B22D 11/124** (2006.01); **B05B 1/34** (2006.01)

CPC (source: EP US)
B05B 7/0483 (2013.01 - EP US); **B05B 7/10** (2013.01 - EP US); **B22D 11/1246** (2013.01 - EP US); **B05B 1/3421** (2013.01 - EP US); **B05B 1/3447** (2013.01 - EP US)

Cited by
DE102013203339A1; AT15758U1; EP2698210A1; RU2629068C2; CN102802837A; AT13318U1; DE102005047195B3; EP1767277A3; CN105081251A; AT523701A1; AT523701B1; WO2007087893A1; WO2011082893A1; WO2014026992A3; US8522858B2; US8596335B2; US9180471B2; EP1767277A2; US7552881B2; WO2021180684A1

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