Title (en)

Two-stage pressurised atomising nozzle

Title (de)

Zweistufige Druckzerstäuberdüse

Title (fr)

Buse de pulvérisation par pression à deux étages

Publication

EP 0924461 B1 20030416 (DE)

Application

EP 97811008 A 19971222

Priority

EP 97811008 A 19971222

Abstract (en)

[origin: EP0924461A1] Both feed channels issue into a turbulence and/or swirl chamber which via an outlet aperture is connected to an outer space. The nozzle body (1) has as downstream head (4) connecting the outer and inner tubes (2,3) with each other. At least two separate turbulence and/or swirl chambers (9-12) are arranged in the nozzle head. Each of the turbulence and/or swirl chambers is connected via at least one swirl channel (16) with the second feed channel, via at least one turbulence producing channel (15) with the first feed channel and via an outlet aperture with the outer space (18). Between each turbulence and/or swirl chamber and the first feed channel a closure cover (14) accommodating the at least one turbulence producer channel is arranged.

IPC 1-7

F23D 11/38; F23D 11/40; F23C 7/00; B05B 7/04; B05B 7/10

IPC 8 full level

F23R 3/28 (2006.01); **B05B 1/14** (2006.01); **B05B 1/34** (2006.01); **B05B 7/04** (2006.01); **B05B 7/10** (2006.01); **F23C 7/00** (2006.01); **F23D 11/38** (2006.01); **F23D 11/40** (2006.01); **F23R 3/58** (2006.01)

CPC (source: EP US)

B05B 1/14 (2013.01 - EP US); **B05B 1/3421** (2013.01 - EP US); **B05B 1/3478** (2013.01 - EP US); **B05B 7/0475** (2013.01 - EP US); **B05B 7/10** (2013.01 - EP US); **F23C 7/002** (2013.01 - EP US); **F23D 11/383** (2013.01 - EP US); **F23D 11/402** (2013.01 - EP US); F23C 2900/07002 (2013.01 - EP US); F23D 2204/00 (2013.01 - EP US)

Cited by

CN100460755C; US7520745B2; US8967498B2; US7972133B2; WO2006042796A3; WO2012055051A1

Designated contracting state (EPC)

DE GB

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