

Title (en)
High pressure spray nozzle

Title (de)
Hochdrucksprühdüse

Title (fr)
Buse de pulvérisation haute pression

Publication
EP 1046426 A3 20020626 (DE)

Application
EP 00105342 A 20000316

Priority
DE 19918257 A 19990422

Abstract (en)
[origin: EP1046426A2] The nozzle body (1) has a coaxial supply bore for the fluid to be sprayed tapering to an elliptical opening (12) forming the inlet opening for the outlet channel (11). The areas of the side walls (11b) of the outlet channel (11) adjoining the larger axi half (6) widen out in the flow direction (9) whilst the side walls (11a) of the outlet channel adjoining the smaller axis half (run parallel to the axis (2) of the supply bore (8). The side walls of the outlet channel adjoining the larger axis half can form partial surfaces of a cone sleeve

IPC 1-7
B05B 1/04; **B05B 17/00**

IPC 8 full level
B23P 17/00 (2006.01); **B05B 1/04** (2006.01); **B05B 1/06** (2006.01); **B05B 17/00** (2006.01); **B21B 45/08** (2006.01)

CPC (source: EP KR US)
B05B 1/042 (2013.01 - EP US); **B05B 1/06** (2013.01 - KR); **B21B 45/08** (2013.01 - EP US)

Citation (search report)

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- [DA] EP 0792692 A1 19970903 - KYORITSU GOKIN MFG [JP]
- [DA] DE 3414880 A1 19851024 - LECHLER GMBH & CO KG [DE]
- [DA] EP 0862950 A1 19980909 - SPRAYING SYSTEMS CO [US]

Cited by
CN103623944A; CN111905941A; DE20020783U1; US7367518B2; WO2004058427A1; WO2021081929A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

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