

Title (en)

Spray nozzle for generating a double conical spray.

Title (de)

Sprühdüse zur Erzeugung eines Doppel-Sprühnebel-Kegels.

Title (fr)

Buse de pulvérisation pour l'obtention d'un double cône de pulvérisation.

Publication

**EP 0671216 A3 19960403 (DE)**

Application

**EP 94119899 A 19941216**

Priority

DE 4407780 A 19940309

Abstract (en)

[origin: EP0671216A2] The radial spray nozzle is built into a pipe conduit of the fire-fighting unit comprises a housing in which is formed a torsion mixt. chamber constituting a flow body. The flow body (3) is located in a flow housing (6) supported by a cover housing (11), which at the lower end has a cylindrical tube (12) with a cylindrical nozzle aperture (10). The flow housing in common with the cover housing forms an outer torsion mixt. chamber (13) and an annular gap (14) at a distance from the lower end of the tube (12). The cover housing is provided with one or more tangential and radially inclined holes (15) which end in the outer torsion mixt. chamber.

IPC 1-7

**B05B 1/34**; **B05B 1/06**; **A62C 35/68**

IPC 8 full level

**A62C 31/05** (2006.01); **A62C 35/68** (2006.01); **B05B 1/06** (2006.01); **B05B 1/34** (2006.01); **B05B 7/06** (2006.01); **B05B 7/10** (2006.01)

CPC (source: EP)

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Citation (search report)

- [AP] DE 9415124 U1 19941103 - HANNOVER SICHERHEITSTECHNIK GM [DE]
- [A] FR 11016 E 19091126 - JEAN FREDERIC PAUL KESTNER [FR]
- [AD] DD 116398 C
- [A] US 1654381 A 19271227 - MURPHY THOMAS W, et al
- [A] GB 419541 A 19341114 - JACK WILLIAM ALLEN
- [A] FR 669134 A 19291112
- [A] GB 2008981 A 19790613 - CLAYTON HEYES ENG CO LTD
- [A] US 1390048 A 19210906 - WILLIAM LANGE
- [A] FR 2318684 A1 19770218 - MICHARD JOSEPH [FR]

Cited by

US5862871A; CN111425156A; DE10010881B4; CN114534151A; EP1728535A3; EP2255850A1; GB2500982A; GB2500982B; GB2418611A; GB2418611B; GB2395660B; US9180471B2; US8636232B2; WO9731174A1; WO2012141595A1; WO0164291A2; US6766864B2; US7841419B2; US8376247B2; WO0164288A2; US6814150B2; US9327151B2

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DOCDB simple family (application)

**EP 94119899 A 19941216**; AT 94119899 T 19941216; DE 4407780 A 19940309; DE 59409233 T 19941216; FI 951026 A 19950306; NO 950835 A 19950303