

Title (en)

Spray nozzle for the atomization of water in fire protection apparatus

Title (de)

Sprühdüse zur Vernebelung von Wasser in Brandschutzanlagen

Title (fr)

Buse de pulvérisation pour l'atomisation de l'eau pour protection contre l'incendie

Publication

**EP 0701842 A3 19970409 (DE)**

Application

**EP 95114287 A 19950912**

Priority

DE 4433157 A 19940917

Abstract (en)

[origin: EP0701842A2] The spray nozzle housing (1) contains a turbulence chamber (13) connected to the nozzle opening (5). The opening is tightly sealed by a seal (18,20) resting against the outside of the housing. The seal is pressed against the housing by a cylindrical, hollow pressure body (25) of glass or other material which is flexible at a release temperature. The end of the pressure body facing away from the seal is supported on the part joined to the housing. The pressure body is supported on an adjusting screw (28) or spring.

IPC 1-7

**A62C 37/08**

IPC 8 full level

**A62C 37/08** (2006.01); **A62C 37/14** (2006.01)

CPC (source: EP US)

**A62C 37/08** (2013.01 - EP US)

Citation (search report)

- [YA] GB 885421 A 19611228 - MATTHEW HALL & CO LTD
- [YD] DE 2539703 A1 19770317 - JOB EDUARD J
- [Y] GB 2076652 A 19811209 - FIREMASTER EXTINGUISHER LTD
- [Y] GB 333412 A 19300814 - CECIL HENRY WHITTINGTON
- [Y] DE 3814043 A1 19891109 - KRANTZ H GMBH & CO [DE]
- [Y] EP 0463430 A1 19920102 - HATTORI TAKAMASA [JP]

Cited by

AU2000263289B2; RU2647027C1; RU2630786C1; WO2005107880A1; KR100520289B1; WO0172375A1; EP1488830A1; US6964307B1; US7096964B2

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**EP 0701842 A2 19960320; EP 0701842 A3 19970409; EP 0701842 B1 20010404; EP 0701842 B2 20041103;** AT E200227 T1 20010415; DE 19533636 A1 19960321; DE 19533636 B4 20051110; DE 59509153 D1 20010510; US 5667017 A 19970916

DOCDB simple family (application)

**EP 95114287 A 19950912;** AT 95114287 T 19950912; DE 19533636 A 19950912; DE 59509153 T 19950912; US 52645095 A 19950911