

Title (en)

Foam producing nozzle for fire extinguishing apparatus

Title (de)

Schaumhervorbringende Düse für eine Feuerlöschvorrichtung

Title (fr)

Tête de génération et de projection de mousse, notamment pour un appareil extincteur d'incendie

Publication

EP 0829275 B1 19991201 (FR)

Application

EP 97420153 A 19970828

Priority

FR 9610805 A 19960830

Abstract (en)

[origin: US5921471A] A head for generating and spraying foam is provided. The head is particularly useful in a fire extinguisher. The head includes a nozzle for spraying foam in a spraying direction, at least two conduits for supplying a fluid, and a boss. A wall at the outlet end of each conduit is oriented approximately perpendicular to the spraying direction. The conduits each emerge into a base of the nozzle via openings. A fluid is supplied to the conduits. During travel of the fluid to the nozzle, the fluid encounters a double deflection. The first deflection is from the wall within the conduit towards the boss. The second deflection is from the boss towards the wall of the nozzle. This double deflection path of travel causes the fluid to become completely emulsified with ambient air to create a large volume of high quality spraying foam.

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IPC 8 full level

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