

Title (en)

APPARATUS FOR GENERATION OF FIRE EXTINGUISHING FLOW

Title (de)

VORRICHTUNG ZUR ERZEUGUNG EINER FEUERLÖSCHSTRÖMUNG

Title (fr)

APPAREIL POUR GENERER UN FLUX D'EXTINCTION D'INCENDIE

Publication

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Application

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Abstract (en)

[origin: WO2006049529A1] An apparatus for the generation of a foam-like fire extinguishing flow comprises a lance (1) with a flowing channel (2) of axially symmetric shape, a nozzle (7) located at an end part of the lance (1), a foaming solution introduction means (13), and a mixed liquid and foam stream stabilizer (16). An expansion chamber (18) is provided between the foaming solution introduction means (13) and the mixed stream stabilizer (16). The flowing channel of the nozzle (7) comprises an inlet conical or conoid shaped portion (10) converging in the course of flow of the liquid and an outlet cylindrical portion (11). The apparatus allows a distance of discharging the fire extinguishing flow to be increased owing to a reduction in energy losses for the generation of a high-velocity foam-like flow.

IPC 8 full level

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