

Title (en)

Mixing assembly for a firefighting device, firefighting device and method of mixing a fire extinguishing fluid and a foaming agent

Title (de)

Mischanordnung für eine Brandbekämpfungsvorrichtung, Brandbekämpfungsvorrichtung, und Verfahren zum Mischen von Brandlöschflüssigkeit und Schäumungsmittel

Title (fr)

Ensemble de mélange destiné à un dispositif de lutte contre les incendies, dispositif de lutte contre les incendies, et procédé de mélange d'un fluide d'extinction d'incendie et d'un agent moussant

Publication

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Application

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Priority

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Abstract (en)

[origin: EP2944355A1] A mixing assembly (116) for a firefighting device (102) is described. The mixing assembly comprises an inlet (118) configured to receive pressurized fire extinguishing fluid from a firefighting device pump (108) along a first flow axis (140). The assembly (116) further comprises a mixing section (124) with a differential pressure injector (146) configured to accelerate the fluid along a second flow axis (152) arranged at a first angle relative to the first flow axis and to inject a foaming agent in the fluid, thereby producing a mixture of the fluid and the foaming agent. An outlet (122) of the mixing assembly is configured to deliver the mixture along a third flow axis (164) that is arranged at a second angle relative to the second flow axis (152). Each of the first angle and the second angle lies approximately between 60 degrees and 120 degrees.

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