

Title (en)

METHOD AND DEVICE FOR DISTRIBUTING LIQUID MEDIA

Title (de)

VERFAHREN UND VORRICHTUNG ZUM AUSBRINGEN VON FLÜSSIGEN MEDIEN

Title (fr)

PROCEDE ET DISPOSITIF POUR EPANDRE DES MILIEUX LIQUIDES

Publication

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Application

**EP 01929224 A 20010227**

Priority

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- DE 10010881 A 20000229

Abstract (en)

[origin: US2003029622A1] The invention relates to a method and a device for distributing liquid media, in particular extinguishing fluids for fighting fires, in the form of a mist or a stream of large droplets from a supply line which is maintained at a constant low-pressure, in rooms, for example in living spaces and recreation rooms, or similar. The aim of the invention is to provide a method and a device of the aforementioned type which can be used to produce a fine mist of small droplets and a jet spray of large droplets at separate moments, at approximately the same operating pressure of the extinguishing fluid, depending on the outbreak and the development of the fire, whilst at the same time minimising water consumption, reducing water damage caused during a fire and increasing cost-effectiveness, by creating a modular system which can be universally installed. To achieve this, the intensity of the vortex and the proportion of fine or large droplets in the spray cone is adjusted by regulating the quantity and speed of the flow of the sub-streams of extinguishing fluid, either separately or synchronously between a zero value and a maximum throughput value. In addition, the adjusting process is controlled by a signal generator which responds to the outbreak and dynamic development of the fire.

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