

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

EP 1259295 A2 20021127 (DE)

Application

EP 01929224 A 20010227

Priority

- DE 0100811 W 20010227
- 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.

IPC 1-7

A62C 2/00

IPC 8 full level

A62C 31/02 (2006.01)

CPC (source: EP US)

A62C 31/02 (2013.01 - EP US)

Citation (search report)

See references of WO 0164288A2

Designated contracting state (EPC)

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

DOCDB simple family (publication)

US 2003029622 A1 20030213; US 6814150 B2 20041109; AT E462478 T1 20100415; AU 5610501 A 20010912; DE 10010881 A1 20010913; DE 10010881 B4 20060907; DE 50115411 D1 20100512; EP 1259295 A2 20021127; EP 1259295 B1 20100331; WO 0164288 A2 20010907; WO 0164288 A3 20020919

DOCDB simple family (application)

US 20496402 A 20020826; AT 01929224 T 20010227; AU 5610501 A 20010227; DE 0100811 W 20010227; DE 10010881 A 20000229; DE 50115411 T 20010227; EP 01929224 A 20010227