Title (en)

PYROTECHNICAL DEVICE AND PROCESS FOR EXTINGUISHING FIRES

Title (de)

VORRICHTUNG UND VERFAHREN ZUM SPRENGLÖSCHEN VON BRÄNDEN

Title (fr)

DISPOSITIF ET PROCEDE PYROTECHNIQUE D'EXTINCTION D'INCENDIE

Publication

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Application

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Priority

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Abstract (en)

[origin: US6164382A] PCT No. PCT/EP97/06013 Sec. 371 Date Apr. 30, 1999 Sec. 102(e) Date Apr. 30, 1999 PCT Filed Oct. 30, 1997 PCT Pub. No. WO98/18524 PCT Pub. Date May 7, 1998A device and a method for explosive quenching of fires are indicated, for example forest and area fires. The quenching device contains two flexible hoses (1, 2) disposed next to one another and transversely to the direction of risk (5), and closable at both ends, for accommodating quenching agents, and in each case an explosive (3, 4) in or on the hoses (1, 2) atomizes the quenching agent by its ignition to form a mist, which is applied to the fire. In order to achieve a directed ejection of the quenching agent in the direction of the area of risk, the pulse (I1) which emerges from the first hose (1) facing way from the area of risk is greater than the pulse (I2) emerging from the second hose (2) facing the area of risk. For differing hose diameters, dimensioning of the quantities of explosive in relation to the diameter of the associated hose is effected taking into account the density (of the quenching agent according to a formula according to the invention.

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IPC 8 full level

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