

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
EP 1007159 B1 20010718 (DE)

Application
EP 97950055 A 19971030

Priority

- DE 19643929 A 19961030
- EP 9706013 W 19971030

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.

IPC 1-7
A62C 3/02; **A62C 19/00**; **A62C 35/08**

IPC 8 full level
A62C 3/02 (2006.01); **A62C 19/00** (2006.01); **A62C 35/08** (2006.01)

CPC (source: EP US)
A62C 3/025 (2013.01 - EP US); **A62C 35/08** (2013.01 - EP US)

Designated contracting state (EPC)
ES FR GR IT

DOCDB simple family (publication)
US 6164382 A 20001226; AR 010257 A1 20000607; AU 5315198 A 19980522; AU 719286 B2 20000504; CA 2268976 A1 19980507; CA 2268976 C 20030812; DE 19643929 A1 19980507; DE 19643929 C2 19980806; EP 1007159 A1 20000614; EP 1007159 B1 20010718; ES 2161478 T3 20011201; GR 3036888 T3 20020131; HR P970572 A2 20000831; HR P970572 B1 20011031; ID 18693 A 19980430; IL 122061 A0 19980310; MY 133808 A 20071130; SG 53115 A1 19980928; TR 199701267 A2 19980521; TW 368423 B 19990901; WO 9818524 A1 19980507; YU 42597 A 19990728; YU 49141 B 20040312; ZA 979677 B 19980521

DOCDB simple family (application)
US 29745299 A 19990430; AR P970105042 A 19971030; AU 5315198 A 19971030; CA 2268976 A 19971030; DE 19643929 A 19961030; EP 9706013 W 19971030; EP 97950055 A 19971030; ES 97950055 T 19971030; GR 20010401758 T 20011016; HR P970572 A 19971028; ID 973547 A 19971029; IL 12206197 A 19971029; MY PI9705127 A 19971029; SG 1997003887 A 19971028; TR 9701267 A 19971028; TW 86116418 A 19971202; YU 42597 A 19971027; ZA 979677 A 19971029