

Title (en)

THERMAL TRIGGERING MECHANISM HAVING A GLASS AMPOULE FOR AEROSOL FIRE EXTINGUISHERS

Title (de)

THERMISCHER AUSLÖSEMECHANISMUS MIT EINER GLASAMPULLE FÜR AEROSOL-FEUERLÖSCHGENERATOREN

Title (fr)

MÉCANISME DE DÉCLENCHEMENT THERMIQUE COMPRENANT UNE AMPOULE EN VERRE POUR GÉNÉRATEURS D'EXTINCTION À AÉROSOL

Publication

EP 2219741 B1 20110511 (DE)

Application

EP 08857565 A 20081204

Priority

- EP 2008066821 W 20081204
- DE 102007059358 A 20071207

Abstract (en)

[origin: US2011036600A1] The invention relates to a method for thermally initiated triggering of an aerosol fire extinguisher having a strike pin (6) acted upon by an inner spring (7) and locked in the stand-by state, and after thermal initiation, the lock is removed and the strike pin (6), driven by the force of the inner spring (7), strikes against a mechanical firing cap (1), whereby an initial firing material is released in the firing cap (1), igniting a booster charge (2), the hot conversion gas thereof igniting a pyrotechnic extinguisher charge in the aerosol fire extinguisher. In order that an absolutely reliable initiation takes place under the same conditions throughout the entire service life of the aerosol fire extinguisher, it is proposed that only immediately after the thermal initiation, when the firing pin (6) is still locked, the inner spring (7) is brought to the necessary tension for triggering the firing cap (1), and only after reaching said tension is the lock of the firing pin (6) automatically released.

IPC 8 full level

A62C 5/00 (2006.01); **A62C 37/14** (2006.01); **F42C 15/36** (2006.01)

CPC (source: EP US)

A62C 5/006 (2013.01 - EP US); **A62C 37/14** (2013.01 - EP US); **F42C 15/33** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

US 2011036600 A1 20110217; **US 8596372 B2 20131203**; AT E508773 T1 20110515; AU 2008333150 A1 20090611; CY 1112731 T1 20160210; DE 102008060233 A1 20090610; EP 2219741 A1 20100825; EP 2219741 B1 20110511; ES 2366569 T3 20111021; RU 2010126932 A 20120120; RU 2491972 C2 20130910; UA 98024 C2 20120410; WO 2009071635 A1 20090611

DOCDB simple family (application)

US 74660208 A 20081204; AT 08857565 T 20081204; AU 2008333150 A 20081204; CY 111100710 T 20110720; DE 102008060233 A 20081204; EP 08857565 A 20081204; EP 2008066821 W 20081204; ES 08857565 T 20081204; RU 2010126932 A 20081204; UA A201008460 A 20081204