

Title (en)

COMPACT MINIATURE FIRE-EXTINGUISHING AND/OR FIRE-PROTECTION DEVICE

Title (de)

KOMPAKTE MINIATUR-FEUERLÖSCH- BZW. BRANDSCHUTZEINRICHTUNG

Title (fr)

DISPOSITIF D'EXTINCTION D'INCENDIE ET/OU DE PROTECTION CONTRE LES INCENDIES MINIATURE ET COMPACT

Publication

EP 3134187 B1 20180131 (DE)

Application

EP 15710744 A 20150311

Priority

- DE 202014101880 U 20140422
- EP 2015055039 W 20150311

Abstract (en)

[origin: WO2015161955A1] The invention discloses a fire-extinguishing and/or fire-protection device (1) which is formed from - a pressure vessel (2), which is filled with a pressurized extinguishing medium (L) and has an exit opening (4) which is closed by a closure element (5), which can be perforated by means of a perforation element (13), such that the pressurized extinguishing medium (L) is held back in the pressure vessel (2), and from - a passively thermally controlled trigger valve (10), which is attached directly to the exit opening (4) and has a perforation element (13) and a thermal triggering element (24), wherein the perforation element (13) is prestressed in the direction of a triggering position and is retained, by the thermal triggering element (24), in a standby position, which differs from the triggering position, and wherein the thermal triggering element (24), when triggered as a result of a predetermined triggering temperature being reached, releases the perforation element (13) in such a manner that, driven by the prestressing to which it is subjected in the standby position, it moves into the triggering position, in which it perforates the closure element (5). The invention also discloses a thermal trigger valve (10) suitable for use in such a fire-extinguishing and/or fire-protection device (1). The invention provides for a miniaturised fire-extinguishing and/or fire-protection device which can be used to equip, and protect, specifically delimited, reasonably sized spaces which are exposed to an increased fire risk.

IPC 8 full level

A62C 37/11 (2006.01); **A62C 13/62** (2006.01); **A62C 35/10** (2006.01)

CPC (source: EP KR US)

A62C 3/00 (2013.01 - US); **A62C 13/62** (2013.01 - EP KR US); **A62C 35/10** (2013.01 - EP KR US); **A62C 37/11** (2013.01 - EP KR US)

Cited by

CN107507085A; US11364400B2

Designated contracting state (EPC)

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

DOCDB simple family (publication)

DE 202014101880 U1 20140513; EP 3134187 A1 20170301; EP 3134187 B1 20180131; ES 2667126 T3 20180509; HU E036592 T2 20180730; KR 102035895 B1 20191023; KR 20160144977 A 20161219; PL 3134187 T3 20180731; US 10518119 B2 20191231; US 2017036048 A1 20170209; WO 2015161955 A1 20151029

DOCDB simple family (application)

DE 202014101880 U 20140422; EP 15710744 A 20150311; EP 2015055039 W 20150311; ES 15710744 T 20150311; HU E15710744 A 20150311; KR 20167025992 A 20150311; PL 15710744 T 20150311; US 201515302282 A 20150311