

Title (en)

Fluid pressure controlled time delay apparatus and system, and fire fighting installation incorporating such system.

Title (de)

Durch ein Druckmedium gesteuerte Zeitverzögerungsanordnung und Feuerbekämpfungseinrichtung mit einer derartigen Anordnung.

Title (fr)

Système à retard de temps commandé par la pression d'un fluide et installation de lutte contre l'incendie comportant un tel système.

Publication

EP 0046378 A2 19820224 (EN)

Application

EP 81303701 A 19810814

Priority

GB 8027069 A 19800820

Abstract (en)

A time delay device, particularly for use with CO₂ or other fire fighting installations, to introduce a predetermined delay for evacuation etc between the raising of alarm and the discharge of the fire fighting medium. The device comprises a chamber 15 with an inlet controlled by a restricted orifice 16 and an outlet controlled by a bursting disc 17. When the alarm is raised high pressure gas is supplied to the inlet 10A and metered through the orifice 16 into the chamber 15 until the pressure in the chamber causes the disc 17 to rupture, the time taken for rupture depending on the size of the orifice 16, the capacity of the chamber 15 and the bursting pressure of the disc 17. When the disc ruptures a surge of pressurised gas passes through the outlet 11A to a pneumatic relay (not shown) to cause release of the fire fighting medium.

IPC 1-7

A62C 37/00; **F16K 31/12**

IPC 8 full level

A62C 37/00 (2006.01)

CPC (source: EP)

A62C 37/00 (2013.01)

Cited by

EP1344553A1; FR2646783A1; US7032681B1

Designated contracting state (EPC)

AT BE DE IT NL SE

DOCDB simple family (publication)

EP 0046378 A2 19820224; **EP 0046378 A3 19820505**; AU 541137 B2 19841220; AU 7433481 A 19820225; GB 2083353 A 19820324; GB 2083353 B 19840201; NZ 198079 A 19841214

DOCDB simple family (application)

EP 81303701 A 19810814; AU 7433481 A 19810819; GB 8124844 A 19810814; NZ 19807981 A 19810818