

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 CO<sub>2</sub> 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.

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IPC 8 full level

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