

12 **EUROPEAN PATENT APPLICATION**

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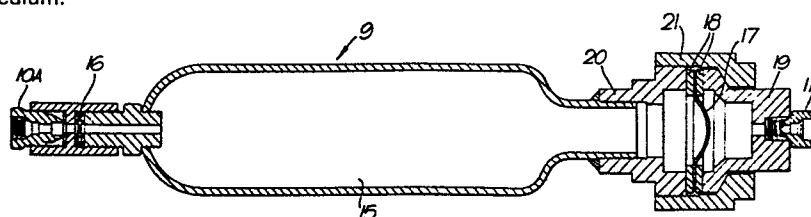
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54 **Fluid pressure controlled time delay apparatus and system, and fire fighting installation incorporating such system.**

57 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.

Fig. 2.





European Patent
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EUROPEAN SEARCH REPORT

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EP 81 30 3701.7

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int. Cl.3)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
X	<u>US - A - 2 393 985</u> (GRANT et al.) * page 2, left-hand column, lines 28 to 54 * ---	1,2,5	A 62 C 37/00 A 62 C 35/40 F 16 K 31/12
A	<u>US - A - 2 183 208</u> (ALLEN et al.) * claim 1 * ---	1	
A	<u>US - A - 2 878 879</u> (ROBERTS) * column 1, lines 43 to 50 * ---	1,6	TECHNICAL FIELDS SEARCHED (Int. Cl.3)
A	<u>US - A - 3 052 304</u> (WILLIAMSON et al.) * column 1, lines 43 to 53 * ---	1,2	A 62 C 35/00 A 62 C 37/00 F 16 K 31/00
D,A	<u>US - A - 2 537 009</u> (ALLEN et al.) ---	1	
D,A	<u>US - A - 2 663 153</u> (GRANT) ---	1	
D,A	<u>US - A - 2 819 865</u> (OLSON) ---	1	
D,A	<u>US - A - 2 865 592</u> (SCHRANK) ----	1	
			CATEGORY OF CITED DOCUMENTS X: particularly relevant A: technological background O: non-written disclosure P: intermediate document T: theory or principle underlying the invention E: conflicting application D: document cited in the application L: citation for other reasons
X The present search report has been drawn up for all claims			&: member of the same patent family. corresponding document
Place of search Berlin		Date of completion of the search 02-02-1982	Examiner KANAL