

Title (en)

Fire detectors and fire protection systems incorporating such detectors.

Title (de)

Feuerdetektor und Feuerschutzsystem mit solchen Detektoren.

Title (fr)

Détecteur d'incendie et système de protection contre le feu comportant de tels détecteurs.

Publication

EP 0135030 A1 19850327 (EN)

Application

EP 84108484 A 19840718

Priority

AU PG047583 A 19830726

Abstract (en)

A fire detector (6) for use in a fire protection system comprises a tube (34) of heat-conductive material extending through a zone to be protected by the system. The tube (34) houses a temperature-responsive element (36) comprising a length of gas-evolving substance, operative when a predetermined critical temperature is reached at any point along the length of the tube, to generate explosively a volume of gas for activating pneumatic actuation means (4) associated with a fire extinguisher (2) of the system. The length of gas evolving substance is within a wire mesh sheath (38) which acts as a filter to retain combustion products and unburnt residue from the substance after activation. The sheath (38) avoids the need for thorough cleaning of the system when recommissioning after activation and also facilitates the insertion of a fresh element (36) into the system by means of threaded couplings (40a,40b) at each end of the sheath.

IPC 1-7

A62C 37/34

IPC 8 full level

A62C 37/42 (2006.01)

CPC (source: EP)

A62C 37/42 (2013.01)

Citation (search report)

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- [Y] GB 1542285 A 19790314 - NIPPON OILS & FATS CO LTD
- [A] DE 2325310 A1 19731206 - ASAHI CHEMICAL IND
- [A] US 4322385 A 19820330 - GOETZ GEORGE W

Cited by

AU570486B2; WO2005096985A1

Designated contracting state (EPC)

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EP 0135030 A1 19850327; CA 1228772 A 19871103; HK 6088 A 19880129; MY 8700693 A 19871231; NZ 208994 A 19870430; SG 56787 G 19870918; ZA 845722 B 19850327

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