11 Publication number:

0 066 952

(12)

EUROPEAN PATENT APPLICATION

② Application number: 82302245.4

(f) Int. Cl.³: **G 08 B 17/12**, G 01 J 5/60

22) Date of filing: 30.04.82

30 Priority: 02.06.81 US 269208

Applicant: Santa Barbara Research Center, 75 Coromar Drive, Goleta, California 93017 (US)

Date of publication of application: 15.12.82

Bulletin 82/50

(2) Inventor: Kern, Mark T., 78 San Fermo Road, Goleta California 93117 (US) Inventor: Cinzori, Robert J., 784 Mariquita Drive, Santa Barbara California 93111 (US)

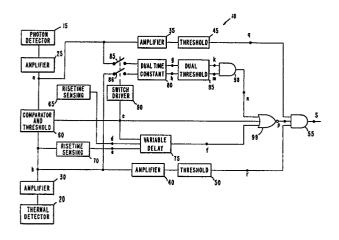
Designated Contracting States: DE FR GB IT SE

Representative: Milhench, Howard Leslie et al, A.A. Thornton & Co. Northumberland House 303/306 High Holborn, London, WC1V7LE (GB)

Bate of deferred publication of search report: 01.06.83 Bulletin 83/22

Dual spectrum fire sensor with discrimination.

57 A fire sensor discriminates between fires and the flash caused by a projectile piercing the wall of a protected area. The sensor system comprises first and second radiant energy detectors, each sensitive to radiation within different spectral bands. Each detector is coupled to a control signal means for generating a control signal when the radiation sensed exceeds a predetermined amplitude. A third control signal means is responsive to the first and second detectors, and is operative to generate a third control signal whenever the ratio of the amplitude of the energy sensed by the first detector to the amplitude of the energy sensed by the second detector is less than a predetermined value; not generate the third control signal whenever the ratio of amplitudes exceeds the predetermined value; and delay generation of the third control signal for a predetermined period of time after the ratio of amplitudes falls below the predetermined value. An output control signal is then generated only if all three control signals are simultaneously generated. The decay of the flash radiation is thereby electrically simulated, allowing the fire sensor to sense whether a fire develops after the flash passes.



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EUROPEAN SEARCH REPORT

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	DOCUMENTS CONS	SIDERED TO BE RELEVAN	IT :	
Category		th indication, where appropriate, vant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. CI. ³)
A,D	US-A-4 220 857 *Column 3, li line 16; figure	ne 30 - column 4,	1,2	G 08 B 17/12 G 01 J 5/60
A,D	US-A-4 206 454 *Column 2, li line 60; figure	ne 43 to column 3,	1,2	
A,P	GB-A-2 067 749 *Page 5, line line 34 - page 4*	 (GRAVINER) s 35-85; page 6, 7, line 7; figure	1,2	
				TECHNICAL FIELDS SEARCHED (Int. Cl. ³)
				G 08 B G 01 J
	The present search report has t	oeen drawn up for all claims		
	Place of search THE HAGUE	Date of completion of the search 28-02-1983	SGURA	Examiner A S.
A: ted O: no	CATEGORY OF CITED DOCK ticularly relevant if taken alone ticularly relevant if combined wo cument of the same category hnological background n-written disclosure ermediate document		of the same pate	lying the invention but published on, or plication reasons ent family, corresponding