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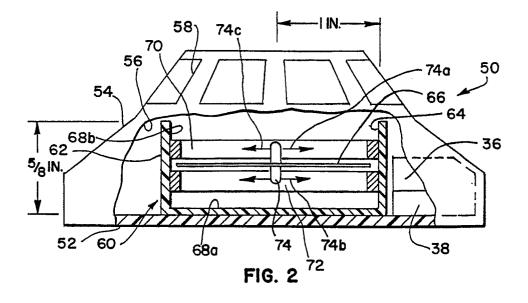
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- (54) Low profile detector with multi-sided source.
- (57) A low profile ionization type smoke sensor (50) is formed with a cylindrical housing (62) having a diameter on the order of 50.8 mm with a height on the order of 25.4 mm or less. A common electrode (66) is centrally located within the housing (62). A single sided ion source (74) is carried on the common electrode (66) and centrally located thereon. The ion source (74) extends into a first or reference region (68b) and into a second or active region

(68a). First and second target electrodes (70, 72) are provided , attached to the housing (66), in each region (68a, 68b). The ion source (74) emits particles on paths that are substantially parallel to the common electrode (66). A 25.4 mm path, substantially parallel to the common electrode (66), is provided between the ion source (74) and each target electrode (70, 72).





EUROPEAN SEARCH REPORT

EP 90 11 2170

DOCUMENTS CONSIDERED TO BE RELEVANT					
ategory	•	th indication, where appropriate, evant passages	1	elevant o claim	CLASSIFICATION OF THE APPLICATION (Int. CI.5)
Α	FR-A-2 224 819 (CERBERUS) * Page 5, line 33 - page 6, line 12; figures 3A,3B *		1		G 08 B 17/113
Α	US-A-4 327 289 (SOLOMON) * Column 3, lines 1-33; figure 1 *		1-6	3	
A	EP-A-0 121 048 (CERBEF * Page 3, line 26 - page 4, l	•	1,8	3-10	
					TECHNICAL FIELDS SEARCHED (Int. CI.5) G 08 B
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	The present search report has	been drawn up for all claims			
	Place of search Date of completion of search		search		Examiner
CATEGORY OF CITED DOCUMENTS X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same catagory A: technological background O: non-written disclosure P: intermediate document			## SGURA S. E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons &: member of the same patent family, corresponding document		