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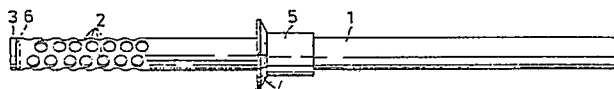
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54 **A measuring head for detection of particles.**

57 A measuring head, e.g. for a smoke detector, includes a tubular holder (1) intended for being disposed in a ventilation duct for being passed through by the air which is to be monitored. The portion of the holder to be introduced in the ventilation duct is ended by an optical reflector (6) defining one end of a measuring path while the opposite defining surface of the measuring path includes a beam transmitting means and a detector means. The peripheral surface of the holder around the measuring path has a number, preferably six, of rows of holes (2) with at least six holes in each row. The holes in a row are staggered relative the holes in adjacent rows, the staggering amounting to between 1/4 and 1/3 of the hole width. At least 1/4 of the peripheral surface of the holder introduced in the ventilation duct and surrounding the measuring path is covered by the holes.

Fig. 1





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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
Y	CH-A- 567 262 (CERBERUS) * Whole document *	1-4	G 08 B 17/10
Y	DE-C- 699 466 (MINIMAX AG) * Page 2, lines 21-100; figure *	1-4	
A	US-A-4 294 124 (KALWAITIS) * Abstract *	1,5	
A,D	GB-A- 636 341 (TRIST) * Figure 1 *	1,3,4	
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			G 08 B G 01 N
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 23-02-1989	Examiner SGURA S.
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention 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			