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STUDIO TORTA Società Semplice Via Viotti 9
I-10121 Torino(IT)**(54) **A fuse for a rotating projectile, having a device for detecting the presence of a target.**

(57) A fuse (16) has a detector device (17) comprising a sensor (48) of infra-red radiation and a single flat-convex lens (19), the refracted rays of the received radiation of which are selectively blocked in such a way as to allow passage towards the sensor only of rays contained in very narrow cones of view (45). For this purpose a plate (37) provided with a series of angularly equidistant apertures (41) is adapted to receive the rays refracted from a zone (27) of the conical lateral surface (23) of the lens. The zone (27) is adjacent the flat surface (22) of the lens and directs the refracted rays to a cylindrical surface (43) which reflects them towards the optical axis (26) of the lens.

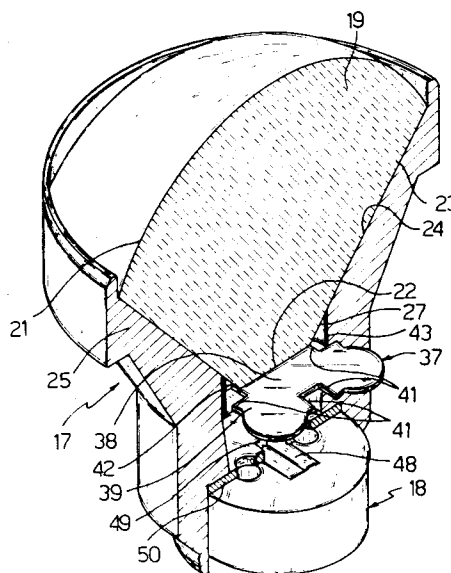


Fig.3

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EUROPEAN SEARCH REPORT

Application Number

EP 90 12 0114

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.5)
Y	EP-A-0 139 322 (PHILIPS) * page 1, line 10 - page 1, line 26 * * page 4, line 1 - page 4, line 3 * * page 5, line 6 - page 5, line 24; figure 1 * ---	1-3	F42C13/02
Y	US-A-3 621 784 (MUNDIE) * column 2, line 45 - column 4, line 35; figures * ---	1-3	
A	PATENT ABSTRACTS OF JAPAN vol. 13, no. 543 (P-970)6 December 1989 & JP-A-1 224 629 (MATSUSHITA) 7 September 1989 * abstract * -----	1,3-6	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			F42C
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 24 JUNE 1992	Examiner DEVINE J. J.
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			