

Title (en)
RADIATION DETECTOR

Publication
EP 0323601 A3 19900530 (DE)

Application
EP 88121211 A 19881219

Priority
DE 3744182 A 19871224

Abstract (en)
[origin: EP0323601A2] Modern infrared radiation detectors have a coverage angle of up to 180 DEG . Such a wide coverage angle is not always required, since interfering sources which are located outside the area under surveillance are occasionally detected in its peripheral area. The new radiation detector is intended to enable simple restriction of the coverage angle and can be adapted, if necessary, to changing conditions. <??>According to the invention, a detector casing (1) is provided with a frame (5), in which a guide channel (7) is formed which is suitable for the accommodation of a closable covering element (6). The covering element (6) can be pushed in front of an optical system (3) so that the coverage angle (α_1) of the latter is reduced to a coverage angle (α_2). <??>The invention is preferably employed in passive infrared detectors which are used for area surveillance. <IMAGE>

IPC 1-7
G08B 13/18

IPC 8 full level
G08B 13/18 (2006.01); **G08B 13/19** (2006.01)

CPC (source: EP US)
G08B 13/19 (2013.01 - EP US); **Y10S 250/01** (2013.01 - EP US)

Citation (search report)
• [A] DE 3402783 A1 19850814 - MATSUSHITA ELECTRIC WORKS LTD [JP]
• [A] GB 1551541 A 19790830 - BLOICE J A

Cited by
EP0421119A1; IT201800003637A1; BE1004253A3; ITUB20154120A1; WO2019175841A1

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0323601 A2 19890712; EP 0323601 A3 19900530; EP 0323601 B1 19930505; AT E89092 T1 19930515; DE 3744182 A1 19890706; DE 3744182 C2 19940630; DE 3880813 D1 19930609; DE 8717763 U1 19900111; DK 172323 B1 19980316; DK 705688 A 19890625; DK 705688 D0 19881219; NO 175693 B 19940808; NO 175693 C 19941116; NO 885746 D0 19881223; NO 885746 L 19890626; US 4960995 A 19901002

DOCDB simple family (application)
EP 88121211 A 19881219; AT 88121211 T 19881219; DE 3744182 A 19871224; DE 3880813 T 19881219; DE 8717763 U 19871224; DK 705688 A 19881219; NO 885746 A 19881223; US 29002288 A 19881227