

Title (en)  
MOTION ALARM WITH AN INFRARED DETECTOR

Publication  
**EP 0319876 A3 19900530 (DE)**

Application  
**EP 88120222 A 19881203**

Priority  
DE 3742031 A 19871211

Abstract (en)  
[origin: EP0319876A2] In motion alarms with segmented collecting optics, dead spaces occur between the individual focusing segments, in which a radiation object can be located without triggering a signal. These dead spaces are to be avoided in practice in the new motion alarm. <??>For this purpose, deflection optics (3) are arranged behind the collecting optics (1), which in each case deflect a part of the beam of rays (8) incident in parallel with the main beam (6) of a segment (2), in such a manner that at least two radiation peaks are produced. These radiation peaks successively impinge on sensor elements (7) of the sensor (5) with a corresponding change in position of the radiation object (13). This reduces the size of the dead spaces to such an extent that, in practice, they no longer exist. <??>The motion alarm is used for room surveillance inside and outside buildings. It can switch on illumination or trigger an alarm by signal transmission. <IMAGE>

IPC 1-7  
**G08B 13/18**

IPC 8 full level  
**G08B 13/193** (2006.01)

CPC (source: EP US)  
**G08B 13/193** (2013.01 - EP US); **Y10S 250/01** (2013.01 - EP US)

Citation (search report)

- [A] EP 0094658 A1 19831123 - CERBERUS AG [CH]
- [A] EP 0025188 A1 19810318 - CERBERUS AG [CH]
- [A] DE 3235250 A1 19840329 - HEIMANN GMBH [DE]
- [AD] EP 0113468 A2 19840718 - ZUBLIN MARCEL DIPL ING ETH
- [A] US 4625115 A 19861125 - GUSCOTT JOHN K [US]

Designated contracting state (EPC)  
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**EP 88120222 A 19881203; DE 3742031 A 19871211; NO 885487 A 19881209; US 28322588 A 19881212**