

Title (en)  
INFRARED INTRUSION DETECTOR

Publication  
**EP 0050750 B1 19840912 (DE)**

Application  
**EP 81107843 A 19811002**

Priority  
CH 792680 A 19801024

Abstract (en)  
[origin: US4429223A] An infrared intrusion detector wherein a plurality of separate radiation receiving regions or fields of view are focused by a single focusing optic, for instance a reflector or a Fresnel lens upon a single sensor element through an elongate or lengthwise extending radiation collecting element. The radiation collecting element can be constituted by an internally metal coated tube or a transparent body having a reflecting surface layer or coating, wherein the reflection coating is interrupted by radiation inlet openings. The infrared radiation which is focused by the focusing optic enters through such openings into the interior of the radiation collecting element and arrives, after having been reflected a number of times, at the sensor element which is mounted at an end side thereof.

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

IPC 8 full level  
**G08B 13/00** (2006.01); **G01V 8/14** (2006.01); **G08B 13/18** (2006.01); **G08B 13/193** (2006.01)

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

Cited by  
US5929445A; US6194711B1; GB2198842A; GB2198842B; WO9811521A1; US6921900B2; US6690018B1; US7053374B2; US6239437B1

Designated contracting state (EPC)  
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**EP 81107843 A 19811002**; AT 81107843 T 19811002; AU 7669381 A 19811021; CH 792680 A 19801024; DE 3166056 T 19811002; JP 16436681 A 19811016; US 30503281 A 19810923