

Title (en)  
INTRUSION DETECTION SYSTEM WITH AN ANTI-MASKING DEVICE

Publication  
**EP 0186226 B1 19900228 (FR)**

Application  
**EP 85201873 A 19851114**

Priority  
FR 8418288 A 19841130

Abstract (en)  
[origin: US4752768A] An apparatus for detecting intruders comprising a housing provided with at least one window, a passive infrared detector (for detecting the radiation emitted by an intruder around a wavelength  $\lambda_1$ ), and an anti-obscuring device (detecting by infrared radiation having a wavelength  $\lambda_2$  the presence of an obscuring of the apparatus for detecting intruders). The apparatus further includes an electronic circuit intended to operate an alarm when the presence of an intruder or an obscuring element has been detected. The apparatus for detecting intruders has a detector for detecting an obscuring element arranged at small and at large distances. It further includes a self-verification circuit. An obscuring element is detected, inter alia, by a mirror arranged at the end of the zone to be supervised, which returns radiation  $\lambda_2$  emitted by an emitter to a detector, both being situated very close to the detector of radiation having a wavelength  $\lambda_1$ .

IPC 1-7  
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IPC 8 full level  
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CPC (source: EP US)  
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Cited by  
EP0507025A3; EP0289621A4; US5831529A; EP0375270A3; US5091648A; EP0556898A1; US5499016A; EP0499177A1; EP1061489A1; EP0481934A1; US5243326A; US6377174B1

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