

Title (en)  
ACTIVE IR INTRUSION DETECTOR

Title (de)  
AKTIVER INFRAROTMELDER

Title (fr)  
DETECTEUR INFRAROUGE D'INTRUSION ACTIF

Publication  
**EP 0711442 A1 19960515 (DE)**

Application  
**EP 95917879 A 19950519**

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Abstract (en)  
[origin: WO9533248A1] The IR intrusion detector proposed includes a transmitter (4), a receiver (5) and an evaluation circuit (2') with means (14 to 18) for producing a useful signal (Un). The evaluation circuit (2') includes a control unit (29) to which the useful signal (Un) is fed and which is connected to the receiver output, the control unit being designed to provide a compensation signal (Ik) superimposed on the receiver signal (Ie). The compensation signal is selected such that the useful signal (Un) is stabilized at zero in order to maintain the sensitivity at its maximum level. In a preferred embodiment of the invention, an analogue/digital converter (26, 30) is connected in series with the control unit (29), the converter digitizing the control signal and being connected to a digital/analogue converter (25, 32) designed to generate a voltage corresponding to the value of the digital signal. This voltage determines the compensation signal (Ik).

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IPC 8 full level  
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Citation (search report)  
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**WO 9533248 A1 19951207**; CA 2166389 A1 19951207; CA 2166389 C 20040713; CN 1088225 C 20020724; CN 1129042 A 19960814; DE 59506883 D1 19991028; EP 0711442 A1 19960515; EP 0711442 B1 19990922; IL 113653 A0 19950831; IL 113653 A 19981030; JP H09501253 A 19970204; US 5675150 A 19971007

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