

Title (en)

Infrared intrusion detector and optical system for such a detector.

Title (de)

Infrarot-Einbruchdetektor und optisches System für einen solchen Detektor.

Title (fr)

Détecteur d'intrusion à infrarouges et système optique pour un tel détecteur.

Publication

EP 0021630 A2 19810107 (EN)

Application

EP 80301819 A 19800602

Priority

CA 329480 A 19790611

Abstract (en)

An infrared intrusion detector has an optical system for gathering infrared radiation from discrete sensitive regions and focusing such received radiation onto an infrared radiation sensor. The detector includes a monitoring device to sound an alarm when radiation sensed reaches a predetermined level. The optical system comprises an optical collector for gathering radiation from a field which includes the sensitive regions and for converging such radiation onto a plurality of reflectors. Each reflector determines one of the discrete sensitive regions and, in turn, is oriented to reflect converging radiation gathered from a sensitive region on the detector. The invention provides a simple, efficient optical system for a broad field of gathering infrared radiation, concentrating and focusing it in a manner to provide sufficient levels of received radiation for purposes of detection.

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IPC 8 full level

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CPC (source: EP)

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