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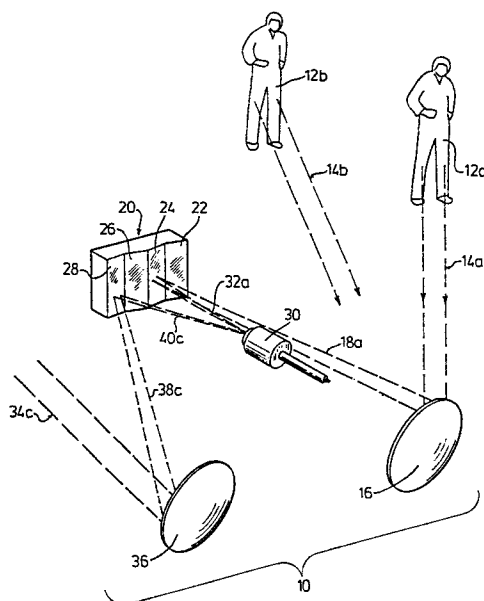
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54 **Optics for infrared intrusion detector.**

57 An infrared intrusion detector has an optical system (10) 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 (10) comprises an optical collector (16, 13) for gathering radiation from a field which includes the sensitive regions and for converging such radiation onto a plurality of reflectors (22, 24, 26, 28). 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 (30). The invention provides a simple, efficient optic 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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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int. Cl. ³)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
DA	FR - A - 2 399 078 (HEIMANN GmbH) * Page 1, lines 1-9; page 6, lines 21-35; figure 2 * --	1, 2, 4, 5, 14	G 08 B 13/18
	US - A - 3 886 360 (REISS) * The whole document * -----	1	
			TECHNICAL FIELDS SEARCHED (Int. Cl. ³)
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		CATEGORY OF CITED DOCUMENTS	
		X: particularly relevant A: technological background O: non-written disclosure P: intermediate document T: theory or principle underlying the invention E: conflicting application D: document cited in the application L: citation for other reasons	
		&: member of the same patent family, corresponding document	
<input checked="" type="checkbox"/> The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 28-10-1980	Examiner ORNELIS