

Title (en)  
Infra-red detection apparatus.

Title (de)  
Infrarot-Detektierungsvorrichtung.

Title (fr)  
Dispositif de détection à infrarouge.

Publication  
**EP 0537024 B1 19950531 (EN)**

Application  
**EP 92309235 A 19921009**

Priority  
GB 9121523 A 19911010

Abstract (en)  
[origin: EP0537024A1] Apparatus for the detection of infra-red radiation comprises a passive infra-red sensor (16), a focusing reflector (20) constructed and arranged to focus infra-red radiation received by the apparatus from a first range of distances from the apparatus, on the sensor (16) , and a focusing refractor (14) constructed and arranged to focus infra-red radiation received by the apparatus from a second range of distances from the apparatus, on the sensor (16), the second distance range encompassing distances shorter than the first distance range. The refractor may be a Fresnel lens (14) or an array of Fresnel lenses (32, 33, 34) formed in a polyethylene window (12) through which the radiation is transmitted. The reflector (20) may be a concave reflector and a second plane reflector (22) may be included to produce a more compact construction. <IMAGE>

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**G08B 13/193**

IPC 8 full level  
**G08B 13/193** (2006.01)

CPC (source: EP)  
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EP2450859A1; GB2286042A; EP0665522A1; US5572033A; GB2286042B; US9165443B2

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