

Title (en)
Passive infrared motion detector.

Title (de)
Passiv-Infrarot-Bewegungsmelder.

Title (fr)
Indicateur passif de mouvement infrarouge.

Publication
EP 0421119 B1 19940622 (DE)

Application
EP 90116453 A 19900828

Priority
DE 3932943 A 19891003

Abstract (en)
[origin: EP0421119A1] It is proposed to arrange attenuation means (6) in the known passive infrared motion detector having an azimuthal detection angle of 180 DEG in order to increase the detection sensitivity for laterally incident infrared beams directed via deflection mirrors (8) onto the sensor surfaces (9) and to extend the detection region. As a result, the transmittance for an infrared beam (SI) incident from a frontal detection region (I) is smaller than the transmittance for an infrared beam (SII) incident from a lateral detection region (II). As a result, the detection region definable by means of r and phi (r = detection range, phi = azimuthal detection angle) can be extended. The azimuthal detection angle can be widened to 220 DEG in combination with non-central Fresnel lens segments (4). <IMAGE>

IPC 1-7
G08B 13/193

IPC 8 full level
G08B 13/193 (2006.01)

CPC (source: EP)
G08B 13/193 (2013.01)

Cited by
EP0652422A3; DE4428628A1; EP0666551A1; GB2251938A; GB2251938B; GB2411470A; GB2411470B; US7196330B2; US9797769B2

Designated contracting state (EPC)
AT BE CH DE DK FR GB LI NL SE

DOCDB simple family (publication)
EP 0421119 A1 19910410; EP 0421119 B1 19940622; AT E107785 T1 19940715; DE 3932943 A1 19910411; DE 59006207 D1 19940728; DK 0421119 T3 19941024

DOCDB simple family (application)
EP 90116453 A 19900828; AT 90116453 T 19900828; DE 3932943 A 19891003; DE 59006207 T 19900828; DK 90116453 T 19900828