

Title (en)

Radar motion detector with variably adjustable transmit and receive direction angles

Title (de)

In unterschiedliche Abstrahl- und Empfangsrichtungswinkel einstellbarer Bewegungsmelder in Form eines Radars

Title (fr)

Détecteur de mouvement pour radar avec différents angles ajustables de direction d'émission et de réception

Publication

EP 0572950 B1 19970903 (DE)

Application

EP 93108689 A 19930528

Priority

DE 4218489 A 19920604

Abstract (en)

[origin: EP0572950A1] A radar motion detector with variably adjustable transmit and receive direction angles comprises a cavity resonator (3) and a mixer (5) as well as an antenna (15) (which projects in the form of a tongue) for transmitting and receiving the radar waves. The antenna (15) is seated on its base (15a) in the region of a waveguide opening (13) in a waveguide end section (9) or of a housing (1). In order to create a motion detector which is of considerably simpler design and occupies a considerably smaller structural space, based on the radar principle, it is provided that the antenna (15) be capable of pivoting about at least one pivoting axis (17) with respect to the housing (1) (which is held such that it cannot pivot) of the cavity resonator (3) and/or of the mixer (5). <IMAGE>

IPC 1-7

H01Q 3/12; **H01Q 13/24**

IPC 8 full level

H01Q 3/12 (2006.01); **H01Q 13/24** (2006.01)

CPC (source: EP)

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