

Title (en)

Ultrasonic surveillance system for intruder detection.

Title (de)

Ultraschall-Überwachungssystem für eine Einbruchmeldeanlage.

Title (fr)

Système de surveillance à ultrasons pour la detection d'intrusion.

Publication

EP 0446385 B1 19950906 (DE)

Application

EP 90104681 A 19900312

Priority

EP 90104681 A 19900312

Abstract (en)

[origin: EP0446385A1] An ultrasonic motion detector exhibits at least one ultrasonic transmitter (S1) and at least two ultrasonic receivers (E1, E2) which are aligned towards a common surveillance area (ÜE). In an associated signal processing and evaluating device (SAE), the distance (e) and direction (alpha) of a moving object (OB) is determined by means of a microcomputer (mu R) from the received echo signals (ES) and from this a motion track is formed, a criterion for alarm signalling (AL) being derived from the length and shape of the motion track. The distance (e) is determined from the transit-time differences and the direction (alpha) is determined from the phase differences between the processed echo signals. <IMAGE>

IPC 1-7

G08B 13/16

IPC 8 full level

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CPC (source: EP)

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Cited by

DE4306425C1; DE4306719A1; ITMO20120157A1; EP3043192A1; WO2016110566A1

Designated contracting state (EPC)

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