

Title (en)

An electromagnetic detection system with improved false-alarm suppression.

Title (de)

Elektromagnetische Detektionsanlage mit Falschalarmunterdrückung.

Title (fr)

Système de détection électromagnétique avec suppression de fausses alarmes.

Publication

EP 0242901 A1 19871028 (EN)

Application

EP 87200534 A 19870324

Priority

NL 8600738 A 19860324

Abstract (en)

An electromagnetic detection system which, in operation, by means of at least one transmission aerial coil, generates a sweeping frequency interrogation field in a detection zone, which field can be disturbed by the presence in said zone of a responder equipped with a tuned circuit, there being provided detection means for detecting such disturbance and activating an alarm device, and wherein said detection means comprise a channel (33-35) for processing signals (R, S) in a frequency band corresponding to the frequency band of a signal (R) caused by a responder, and that a blanking circuit (12) is connected to said channel for detecting the occurrence in said channel (33-35) of signals exceeding a pre-determined threshold value (D) and, after detecting a first signal exceeding said threshold value, in response to one or more further signals exceeding said predetermined threshold value, producing a blanking signal (Pb) for a pre-determined time interval to prevent activation of said alarm device (43).

IPC 1-7

G08B 13/24; **G08B 29/00**

IPC 8 full level

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CPC (source: EP)

G08B 13/2414 (2013.01); **G08B 29/24** (2013.01)

Citation (search report)

- [AD] EP 0100128 A1 19840208 - NEDAP NV [NL]
- [AD] US 3868669 A 19750225 - MINASY ARTHUR J
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- [A] WO 8301331 A1 19830414 - I D ENGINEERING INC [US]
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Designated contracting state (EPC)

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