

Title (en)

Electronic article surveillance system

Title (de)

Anlage zur elektronischen Artikelüberwachung

Title (fr)

Système de surveillance électronique d'objets

Publication

EP 0707296 B1 19990728 (DE)

Application

EP 95114703 A 19950919

Priority

DE 4436977 A 19941015

Abstract (en)

[origin: EP0707296A1] The electronic monitoring and alarm system is used to provide protection against the theft of articles. The system has a voltage controlled oscillator (2) that connects with a power amplifier (3) that outputs a signal to a transmitter (4) to create an electromagnetic field. The field produced interacts with a security hanger element (5) attached to the article that forms part of a resonator circuit. A receiver (6) responds to provide an input to a detector (7) coupled to an alarm (8) and responds to both amplitude and phase changes. If the article is passed through the field with the hanger attached the alarm is triggered.

IPC 1-7

G08B 13/24

IPC 8 full level

G08B 13/24 (2006.01)

CPC (source: EP)

G08B 13/2414 (2013.01); **G08B 13/2482** (2013.01)

Cited by

EP0837432A1; US6064296A; US6639514B1

Designated contracting state (EPC)

AT BE CH DE ES FR GB LI NL PT SE

DOCDB simple family (publication)

EP 0707296 A1 19960417; **EP 0707296 B1 19990728**; AT E182708 T1 19990815; AU 3421295 A 19960502; AU 684389 B2 19971211; DE 4436977 A1 19960418; DE 59506460 D1 19990902; ES 2135637 T3 19991101

DOCDB simple family (application)

EP 95114703 A 19950919; AT 95114703 T 19950919; AU 3421295 A 19951012; DE 4436977 A 19941015; DE 59506460 T 19950919; ES 95114703 T 19950919