

Title (en)

Electronic article surveillance system

Title (de)

Anlage zur elektronischen Artikelüberwachung

Title (fr)

Système de surveillance électronique d'objets

Publication

EP 0707295 B1 19990310 (DE)

Application

EP 95114702 A 19950919

Priority

DE 4436978 A 19941015

Abstract (en)

[origin: EP0707295A1] An electronic security system to prevent theft of articles uses a hanger (9), to which the article is attached, that is located within an electromagnetic field. The hanger contains an inductance and capacitance coupled as a resonator device and is located between transmitting (8) and receiving (10) aerials. A voltage controlled oscillator (2) is controlled to produce a range of frequencies that are mixed (3) with the output of a second oscillator (18) and a multiplier (19). The receiver output is mixed with a half the frequency of the VCO output and is used in the detector. The presence of the hanger triggers the alarm.

IPC 1-7

G08B 13/24

IPC 8 full level

G08B 13/24 (2006.01)

CPC (source: EP)

G08B 13/2414 (2013.01); **G08B 13/2471** (2013.01)

Designated contracting state (EPC)

AT BE CH DE ES FR GB LI NL PT SE

DOCDB simple family (publication)

EP 0707295 A1 19960417; **EP 0707295 B1 19990310**; AT E177551 T1 19990315; AU 3421395 A 19960502; AU 695143 B2 19980806; DE 4436978 A1 19960418; DE 59505271 D1 19990415; ES 2127981 T3 19990501

DOCDB simple family (application)

EP 95114702 A 19950919; AT 95114702 T 19950919; AU 3421395 A 19951012; DE 4436978 A 19941015; DE 59505271 T 19950919; ES 95114702 T 19950919