

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
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CPC (source: EP)
G08B 13/2414 (2013.01); **G08B 13/2471** (2013.01)

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