

Title (en)  
Theft detection system.

Title (de)  
Diebstahldetektorsystem.

Title (fr)  
Système de détection de vol.

Publication  
**EP 0628937 A1 19941214 (EN)**

Application  
**EP 94201631 A 19940608**

Priority  
NL 9300991 A 19930609

Abstract (en)  
A theft detection system comprising an interrogation unit and a detection unit for generating an electromagnetic interrogation field with a predetermined frequency and detecting the presence of electronic labels belonging to the system in the interrogation field. The electronic labels generate a reply signal in the interrogation field by means of a resonant circuit which comprises at least a coil and a capacitor and which also functions as receiving circuit for the interrogation field. The labels comprise means which provide a frequency-switched signal with the aid of which the signal generated by the interrogation field in the resonance circuit is modulated via a first switching element in such a manner that at least two high-frequency signal components arise which are located within the resonance curve of the resonance circuit, in such a manner that these signal components are strongly present in the secondary magnetic field formed by the coil. <IMAGE>

IPC 1-7  
**G08B 13/24**

IPC 8 full level  
**G08B 13/24** (2006.01)

CPC (source: EP)  
**G08B 13/2417** (2013.01); **G08B 13/2422** (2013.01); **G08B 13/2431** (2013.01)

Citation (search report)  
• [XY] EP 0441237 A1 19910814 - STOBBE ANATOLI [DE]  
• [Y] US 3984835 A 19761005 - KAPLAN GERALD STANLEY, et al  
• [YD] EP 0084400 A2 19830727 - NEDAP NV [NL]  
• [X] FR 2598006 A1 19871030 - SIGNALISATION [FR]  
• [A] FR 2371128 A7 19780609 - NEDAP NV [NL]

Cited by  
US8587489B2; US8933790B2

Designated contracting state (EPC)  
DE FR GB NL

DOCDB simple family (publication)  
**EP 0628937 A1 19941214**; NL 9300991 A 19950102

DOCDB simple family (application)  
**EP 94201631 A 19940608**; NL 9300991 A 19930609