

Title (en)
Theft detection system.

Title (de)
Diebstahldetektorsystem.

Title (fr)
Système de détection de vol.

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Application
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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>

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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]

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US8587489B2; US8933790B2

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DE FR GB NL

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