

Title (en)

Detection system for detecting resonance effects of a label in a frequency-swept interrogation field by means of single sideband demodulation and method for carrying out such detection.

Title (de)

Verfahren und System zur Detektierung von Resonanzeffekten eines Etiketts in einem gewobbelten Abfragefeld mittels Einseitenbanddemodulation.

Title (fr)

Procédé et système pour la détection des effets de résonance d'une étiquette dans un champ d'interrogation à balayage de fréquence au moyen de la démodulation d'une seule bande latérale.

Publication

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Application

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Priority

NL 9300180 A 19930128

Abstract (en)

A detection system for detecting or identifying a label comprising at least one resonant circuit. The system comprises a transmitter unit for generating a frequency-swept electromagnetic interrogation field and a detection unit for detecting resonance effects caused by a label located in the interrogation field. According to the invention the detection unit comprises a transmitter unit which detects signals coming from just one label frequency sideband of the instantaneous frequency of the interrogation field for detecting resonance effects which occur at least substantially in one sideband of a resonant frequency of the label. <IMAGE>

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Citation (search report)

- [A] US 4812822 A 19890314 - FELTZ JOHN F [US], et al
- [AD] EP 0387970 A1 19900919 - NEDAP NV [NL]
- [AD] EP 0100128 A1 19840208 - NEDAP NV [NL]

Cited by

WO2014081383A1; EP0700026A1; EP1041503A1; NL1011673C2; EP0707296A1; AU684389B2; NL1011416C2; EP1033669A3; US8933790B2; US8587489B2; WO2015171058A1; WO0052637A1; US9418261B2

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