

Title (en)

Security element for electronic article surveillance

Title (de)

Sicherungselement für die elektronische Artikelsicherung

Title (fr)

Élément de sécurité pour la surveillance électronique d'articles

Publication

EP 0789340 B1 20010725 (DE)

Application

EP 97100501 A 19970115

Priority

DE 19604746 A 19960209

Abstract (en)

[origin: EP0789340A1] The security element consists of a high permeability material with low coercive force (a weakly magnetic material) which emits a characteristic signal when an alternating external magnetic field is applied to an interrogation zone. The emitted signal is identified by a detection device. A material (2) with a large Barkhausen effect is arranged relative to the weakly magnetic material (1) so that both materials are coupled via their stray fields (7). A semi-hard or hard magnetic material (6) is used to pre-magnetise the material with the large Barkhausen effect.

IPC 1-7

G08B 13/24

IPC 8 full level

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CPC (source: EP)

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Cited by

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