

Title (en)
Dual status thin-film EAS marker

Title (de)
Doppelstatus-Dünnschichtmarkierung für elektronische Artikelüberwachung

Title (fr)
Etiquette à couche mince à double état pour la surveillance électronique d'articles

Publication
EP 0604293 B1 20000607 (EN)

Application
EP 93403099 A 19931220

Priority
US 99618292 A 19921223

Abstract (en)
[origin: EP0604293A1] A dual status marker for use with a magnetic-type EAS system has a signal-producing layer including at least one magnetic thin-film of high permeability and low coercive force such as permalloy, and a signal-blocking layer including at least one remanently magnetizable thin-film such as an Fe-Cr alloy. The remanently magnetizable thin-film or thin-films should have a total thickness at least equal to, and preferably at least twice, the total thickness of the magnetic thin-film or thin-films of high permeability. By doing so, the marker is more reliably deactivated when the signal-blocking layer is magnetized. For even greater assurance of deactivation, the signal-blocking layer should include more than one remanently magnetizable thin-film, thus giving it a squarer B-H loop and greater assurance against false alarms. <IMAGE>

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G08B 13/24

IPC 8 full level
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CPC (source: EP)
G08B 13/2411 (2013.01); **G08B 13/2437** (2013.01); **G08B 13/2442** (2013.01)

Cited by
EP0782013A3; EP0782014A3; EP0793242A1; US5932310A; US5699047A; US5825292A; US5939985A; AU709228B2; US6097291A; EP1186911A1; WO9726564A1; WO02093523A1

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