

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 A1 19940629 (EN)**

Application  
**EP 93403099 A 19931220**

Priority  
US 99618292 A 19921223

Abstract (en)  
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>

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

IPC 8 full level  
**G08B 13/24** (2006.01); **H01F 10/00** (2006.01); **H01F 10/12** (2006.01); **H01F 10/13** (2006.01)

CPC (source: EP)  
**G08B 13/2411** (2013.01); **G08B 13/2437** (2013.01); **G08B 13/2442** (2013.01)

Citation (search report)  
• [A] WO 9007784 A1 19900712 - SCIENT GENERICS LTD [GB]  
• [A] EP 0459722 A1 19911204 - MINNESOTA MINING & MFG [US]  
• [A] EP 0295028 A1 19881214 - SCIENT GENERICS LTD [GB]

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