

Title (en)

Multidirectional surveillance marker.

Title (de)

Multirichtungsempfindliches Etikett für die Warenüberwachung.

Title (fr)

Marqueur à sensibilité multi-directionnelle pour la surveillance d'articles.

Publication

**EP 0628936 A1 19941214 (EN)**

Application

**EP 94107232 A 19940509**

Priority

US 7624793 A 19930611

Abstract (en)

A marker (10) to be used in article surveillance systems of the type which employ alternating magnetic interrogating fields. The marker comprises a closed loop band of material having high magnetic permeability and low magnetic coercivity; and it has cutouts (12) distributed along its length to form thin strips (10a,10b) of the marker material to increase the effective length to cross section ratio. <IMAGE>

IPC 1-7

**G08B 13/24**

IPC 8 full level

**G01V 3/00** (2006.01); **G01V 15/00** (2006.01); **G08B 13/24** (2006.01); **H01F 1/14** (2006.01)

CPC (source: EP)

**G08B 13/2408** (2013.01); **G08B 13/2437** (2013.01); **G08B 13/2442** (2013.01)

Citation (search report)

- [Y] EP 0412721 A2 19910213 - MINNESOTA MINING & MFG [US]
- [Y] US 4967184 A 19901030 - REGELSBERGER MATTHIAS H [US]
- [A] US 4910625 A 19900320 - ALBRECHT FREDERICK X [US], et al
- [A] EP 0260830 A2 19880323 - MINNESOTA MINING & MFG [US]
- [A] EP 0260831 A2 19880323 - MINNESOTA MINING & MFG [US]
- [A] "article surveillance apparatus and systems for computer data disks", RESEARCH DISCLOSURE, no. 304, August 1989 (1989-08-01), NEW YORK, US, pages 617

Cited by

EP2081191A1; DE19604114A1; DE4440314A1; AU774797B2; US6577237B1; US6693542B2; US6525661B2; WO0051092A1; WO03044754A1; WO9935516A1

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**DE 9407703 U 19940509**; AU 6068394 A 19940426; BR 9402136 A 19940531; DE 69423135 T 19940509; EP 94107232 A 19940509; JP 12889194 A 19940610