

Title (en)

SENSITIZER FOR FERROMAGNETIC MARKERS USED WITH ELECTROMAGNETIC ARTICLE SURVEILLANCE SYSTEMS

Publication

**EP 0431745 A3 19911121 (EN)**

Application

**EP 90311821 A 19901029**

Priority

US 44768489 A 19891208

Abstract (en)

[origin: EP0431745A2] An apparatus for use with magnetically based electronic article surveillance systems employing certain types of markers includes a hollow core having a gap in its perimeter, a coil of wire wrapped around a portion of the core, and appropriate circuitry to drive the combination as an electromagnet. The gap configuration produces an external field of large intensity but limited range, such that the magnetizable portion of a marker is magnetized without affecting magnetic states of the article to which the marker is affixed. Depending on the nature of the circuit, the apparatus may be used as a desensitizer of such markers, or preferably as a resensitizer. <IMAGE>

IPC 1-7

**G08B 13/24**

IPC 8 full level

**G01V 3/08** (2006.01); **G01V 3/00** (2006.01); **G01V 15/00** (2006.01); **G08B 13/24** (2006.01)

CPC (source: EP)

**G08B 13/2411** (2013.01)

Citation (search report)

- [Y] EP 0129335 A1 19841227 - MINNESOTA MINING & MFG [US]
- [Y] EP 0202033 A1 19861120 - MAGNETIC PERIPHERALS INC [US]
- [AD] DE 3014667 A1 19811029 - REITER WERNER A
- [AD] US 3665449 A 19720523 - ELDER JAMES T, et al

Cited by

EP0715284A3; EP0951000A3; EP0696785A1; AU704121B2; FR2720538A1; GB2263848A; GB2263848B; WO9725695A1

Designated contracting state (EPC)

DE ES FR GB IT SE

DOCDB simple family (publication)

**EP 0431745 A2 19910612; EP 0431745 A3 19911121**; CA 2029245 A1 19910609; JP H03189794 A 19910819

DOCDB simple family (application)

**EP 90311821 A 19901029**; CA 2029245 A 19901102; JP 33699290 A 19901130