

Title (en)

Apparatus for deactivation of electronic article surveillance tags

Title (de)

Vorrichtung zur Deaktivierung von elektronischen Etiketten für die Warenüberwachung

Title (fr)

Dispositif pour la désactivation d'étiquettes électroniques de surveillance d'objets

Publication

EP 0703552 A1 19960327 (EN)

Application

EP 95110402 A 19950704

Priority

US 29841394 A 19940830

Abstract (en)

A deactivation device for deactivating electronic article surveillance tags comprises a housing, a coil supported in the housing and having opposed first and second sides and energizable to generate a magnetic field issuing from both the first and second sides thereof and a shielding unit supported in the housing in juxtaposition with the coil second side. The shielding unit includes a succession of magnetically permeable members and lessens magnetic fields exteriorly of a portion of the housing juxtaposed with the last of magnetically permeable members in the succession and otherwise functions as a pole piece for the coil and enhances the magnetic field generated by the coil. Plural coil pairs may be provided in the housing about an interior compartment receiving tagged articles and each coil pair provided with the shielding unit. <IMAGE>

IPC 1-7

G08B 13/24

IPC 8 full level

G08B 13/24 (2006.01); **H01F 13/00** (2006.01); **H05K 9/00** (2006.01)

CPC (source: EP)

G08B 13/2411 (2013.01)

Citation (applicant)

US 4768631 A 19880906 - HEIBEL HELMUT [DE]

Citation (search report)

- [A] EP 0551652 A1 19930721 - SENSORMATIC ELECTRONICS CORP [US]
- [A] DE 3715387 A1 19880114 - SENSORMATIC ELECTRONICS CORP [US] & US 4769631 A 19880906 - COPELAND RICHARD L [US]

Cited by

US6154135A; GB2365278A; GB2365278B; US5705986A; AU722543B2; AU2001212106B2; US5990794A; US6084514A; AU730968B2; US6486782B1; US6339839B1; US6778087B2; WO0205238A3; WO9813799A1; WO9813802A1

Designated contracting state (EPC)

DE FR GB SE

DOCDB simple family (publication)

EP 0703552 A1 19960327; **EP 0703552 B1 19971001**; BR 9503831 A 19960910; CA 2148749 A1 19960301; DE 69500800 D1 19971106; DE 69500800 T2 19980129; JP 3678800 B2 20050803; JP H08191013 A 19960723

DOCDB simple family (application)

EP 95110402 A 19950704; BR 9503831 A 19950829; CA 2148749 A 19950505; DE 69500800 T 19950704; JP 17144095 A 19950614