

Title (en)
Tags or labels useful in connection with an electronic article surveillance system

Title (de)
Etiketten für elektronisches Warenüberwachungssystem

Title (fr)
Etiquettes pour système électronique de surveillance d'articles

Publication
EP 0774740 A1 19970521 (EN)

Application
EP 96120857 A 19901004

Priority
• EP 90915373 A 19901004
• US 42941389 A 19891031

Abstract (en)
Electronic article surveillance (EAS) tags (20) are attached to articles of merchandise, not at the store (16) using EAS equipment (18), but in conjunction with the manufacture (10) of these articles. At that stage, the tags (20) are not detectable by the EAS equipment (18). They are made detectable upon receipt by an EAS-using store (16). For swept frequency RF EAS equipment (18), the tags (20) are initially provided with two capacitors (24, 25) which make the tags (20) resonant at a first frequency not detectable by the store's EAS equipment (18). To activate them, one capacitor (24, 25) is disabled, thereby making the tags (20) resonant at a different frequency which is detectable. <IMAGE>

IPC 1-7
G08B 13/24

IPC 8 full level
B65C 9/46 (2006.01); **G01S 13/74** (2006.01); **G06K 17/00** (2006.01); **G06K 19/07** (2006.01); **G06K 19/077** (2006.01); **G06Q 10/00** (2006.01); **G06Q 50/00** (2006.01); **G08B 13/14** (2006.01); **G08B 13/24** (2006.01); **G09F 3/00** (2006.01)

IPC 8 main group level
G08B (2006.01)

CPC (source: EP KR)
G08B 13/22 (2013.01 - KR); **G08B 13/2414** (2013.01 - EP); **G08B 13/2431** (2013.01 - EP); **G08B 13/2437** (2013.01 - EP); **G08B 13/244** (2013.01 - EP); **G08B 13/2445** (2013.01 - EP)

Citation (applicant)
• US 3500373 A 19700310 - MINASY ARTHUR J
• US 3810147 A 19740507 - LICHTBLAU G
• US 3828337 A 19740806 - LICHTBLAU G
• US 4498076 A 19850205 - LICHTBLAU GEORGE J [US]
• US 4567473 A 19860128 - LICHTBLAU GEORGE J [US]

Citation (search report)
• [XY] US 4021705 A 19770503 - LICHTBLAU GEORGE JAY
• [YD] US 4498076 A 19850205 - LICHTBLAU GEORGE J [US]
• [XP] CH 672854 A5 19891229 - SCANMATIC SECURITY SYSTEMS AG

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KR100754307B1; EP1282889A4

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB IT LI LU NL SE

DOCDB simple family (publication)
WO 9106934 A1 19910516; AT E179822 T1 19990515; AT E234491 T1 20030315; AU 637418 B2 19930527; AU 6542690 A 19910531; CA 2064191 A1 19910501; CA 2064191 C 19961224; DE 69033093 D1 19990610; DE 69033093 T2 19991209; DE 69034050 D1 20030417; DE 69034050 T2 20031204; DK 0541544 T3 19991101; DK 0774740 T3 20030610; EP 0541544 A1 19930519; EP 0541544 A4 19920318; EP 0541544 B1 19990506; EP 0774740 A1 19970521; EP 0774740 B1 20030312; ES 2133272 T3 19990916; ES 2194951 T3 20031201; FI 112553 B 20031215; FI 920847 A0 19920226; IE 903893 A1 19910508; JP 2000315284 A 20001114; JP 2002197159 A 20020712; JP 3221876 B2 20011022; JP H05501320 A 19930311; KR 0172100 B1 19990501; KR 920704248 A 19921219; MX 172162 B 19931206; NO 921564 D0 19920423; NO 921564 L 19920423; NZ 235685 A 19930428

DOCDB simple family (application)
US 9005688 W 19901004; AT 90915373 T 19901004; AT 96120857 T 19901004; AU 6542690 A 19901004; CA 2064191 A 19901004; DE 69033093 T 19901004; DE 69034050 T 19901004; DK 90915373 T 19901004; DK 96120857 T 19901004; EP 90915373 A 19901004; EP 96120857 A 19901004; ES 90915373 T 19901004; ES 96120857 T 19901004; FI 920847 A 19920226; IE 389390 A 19901030; JP 2000069524 A 20000313; JP 2001350840 A 20011115; JP 51437390 A 19901004; KR 920700724 A 19920331; MX 2315690 A 19901031; NO 921564 A 19920423; NZ 23568590 A 19901015