

Title (en)
SECURITY TAG

Title (de)
SICHERHEITSETIKETT

Title (fr)
ANTIVOL

Publication
EP 1099201 A1 20010516 (EN)

Application
EP 99929602 A 19990708

Priority
• GB 9902196 W 19990708
• GB 9815118 A 19980714

Abstract (en)
[origin: WO0004519A1] A tag for use in an Electronic Article Surveillance system is disclosed. Such tags are typically provided internally with a transponder circuit comprised of first and second resonant circuits, each provided with inductive components between which there is at least some mutual magnetic coupling and/or electrical coupling. The tag according to the invention is identified by the angle subtended between the axes of the inductive components of the first and second resonant circuits, as it has been found by the applicants that this angle substantially affects the "pick rate" of a tag, i.e. the number of times a particular tag is actually detected by a system compared to the number of times the tag passes through the system. The longitudinal axes of said first and second inductance coils ideally subtend an angle of θ DEG, where $90 \text{ DEG} < \theta \text{ DEG} < 180 \text{ DEG}$, $\theta \text{ DEG} < 90 \text{ DEG}$, 180 DEG .

IPC 1-7
G08B 13/24

IPC 8 full level
G08B 13/24 (2006.01)

CPC (source: EP)
G08B 13/2414 (2013.01); **G08B 13/2434** (2013.01)

Citation (search report)
See references of WO 0004519A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 0004519 A1 20000127; AU 4638399 A 20000207; EP 1099201 A1 20010516; GB 9815118 D0 19980909; TW 392136 B 20000601

DOCDB simple family (application)
GB 9902196 W 19990708; AU 4638399 A 19990708; EP 99929602 A 19990708; GB 9815118 A 19980714; TW 87115913 A 19980924