

Title (en)
ELECTRONIC ARTICLE SURVEILLANCE SYSTEM

Publication
EP 0133317 A3 19850327 (EN)

Application
EP 84108951 A 19840727

Priority
US 51956683 A 19830802

Abstract (en)
[origin: EP0133317A2] An electronic article surveillance system for microwave frequencies (500 MHz and higher) has microstrip antenna arrays each array comprising a dielectric substrate having a plurality of metal patches, spaced apart in the normal direction of travel through a surveillance zone, on one side and a metal ground plane on the other side. Each metal patch and the adjacent portion of the ground plane together form a cavity resonator which resonates at a desired transmitter or return signal frequency and thereby form a signal radiating or receiving structure. The patch size, patch to ground plane spacing, and spacing between patches are determined by the desired resonant frequency.

IPC 1-7
G08B 13/24

IPC 8 full level
G08B 13/24 (2006.01)

CPC (source: EP)
G08B 13/2422 (2013.01); **G08B 13/2471** (2013.01); **G08B 13/2474** (2013.01)

Citation (search report)
• [YD] US 3895368 A 19750715 - GORDON LLOYD L, et al
• [YD] US 4386357 A 19830531 - PATTON PAUL D
• [A] US 3680136 A 19720725 - COLLINGS RUPERT H
• [AD] US 4063229 A 19771213 - WELSH JOHN, et al
• [A] GB 1604220 A 19811202 - PARMEKO LTD
• [A] WO 8201437 A1 19820429 - DETERRENT TECH CORP [US]
• [AD] US 3921177 A 19751118 - MUNSON ROBERT E

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EP0215242A3; US6005519A; US10062025B2; US10878303B2; US10367259B2; US11575215B2

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

DOCDB simple family (publication)
EP 0133317 A2 19850220; EP 0133317 A3 19850327; EP 0133317 B1 19880921; AT E37453 T1 19881015; AU 3122084 A 19850207; AU 573602 B2 19880616; BR 8403801 A 19850709; CA 1236542 A 19880510; DE 3474224 D1 19881027; JP S60100295 A 19850604; MX 156403 A 19880818; NZ 209069 A 19880330

DOCDB simple family (application)
EP 84108951 A 19840727; AT 84108951 T 19840727; AU 3122084 A 19840727; BR 8403801 A 19840731; CA 459814 A 19840726; DE 3474224 T 19840727; JP 16150684 A 19840731; MX 20222384 A 19840801; NZ 20906984 A 19840731