

Title (en)
ELECTRONIC ARTICLE SURVEILLANCE SYSTEM WITH IMPROVED DIFFERENTIATION

Publication
EP 0403632 A4 19930505 (EN)

Application
EP 90901502 A 19891227

Priority
US 29506489 A 19890109

Abstract (en)
[origin: WO9007760A1] An electronic article surveillance system (1) which is capable of identifying and discriminating between the different signatures of tags (2), improving the reliability of the system and even permitting the tags (2) to be classified by type, and separately addressed, includes a receiver (6) which incorporates improvements in its filtering and processing sections. A linear phase filter (9) is used to more effectively preserve the signal which is received, and thereby improve the signal which is ultimately delivered to the processor (11). The processor (11) is provided with a "hysteresis-type" threshold detector (70 and 71) which operates to preserve the original signal by improving the shape of the pulse which is ultimately delivered to the processor (11), and an adaptive processing routine which varies the subsequent processing of detected signals according to changes within the system (1) to improve the system's ability to discriminate between the different signals which are received.

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G08B 13/24

IPC 8 full level
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CPC (source: EP)
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Citation (search report)
• [X] US 3810172 A 19740507 - BURPEE L, et al
• See references of WO 9007760A1

Designated contracting state (EPC)
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WO 9007760 A1 19900712; AU 2455192 A 19921119; AU 4828790 A 19900801; AU 631170 B2 19921119; AU 660708 B2 19950706; CA 2007310 A1 19900709; DD 291654 A5 19910704; DK 215790 A 19900907; DK 215790 D0 19900907; EP 0403632 A1 19901227; EP 0403632 A4 19930505; ES 2020841 A6 19911001; FI 904415 A0 19900907; JP H03503219 A 19910718; MX 173773 B 19940328; NO 180699 B 19970217; NO 180699 C 19970528; NO 903912 D0 19900907; NO 903912 L 19900907

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