

United States Patent [19]

Plonsky et al.

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[54] MULTI-MODE ELECTRONIC ARTICLE SURVEILLANCE SYSTEM

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[73] Assignee: Sensormatic Electronics Corporation, Deerfield Beach, Fla.

[21] Appl. No.: 384,556

[22] Filed: Jul. 24, 1989

[51] Int. Cl.⁵ G08B 13/24

[52] U.S. Cl. 340/551; 340/572; 455/78

[58] Field of Search 340/551, 572, 522, 516, 340/825.7-825.72, 505, 825.54; 455/78

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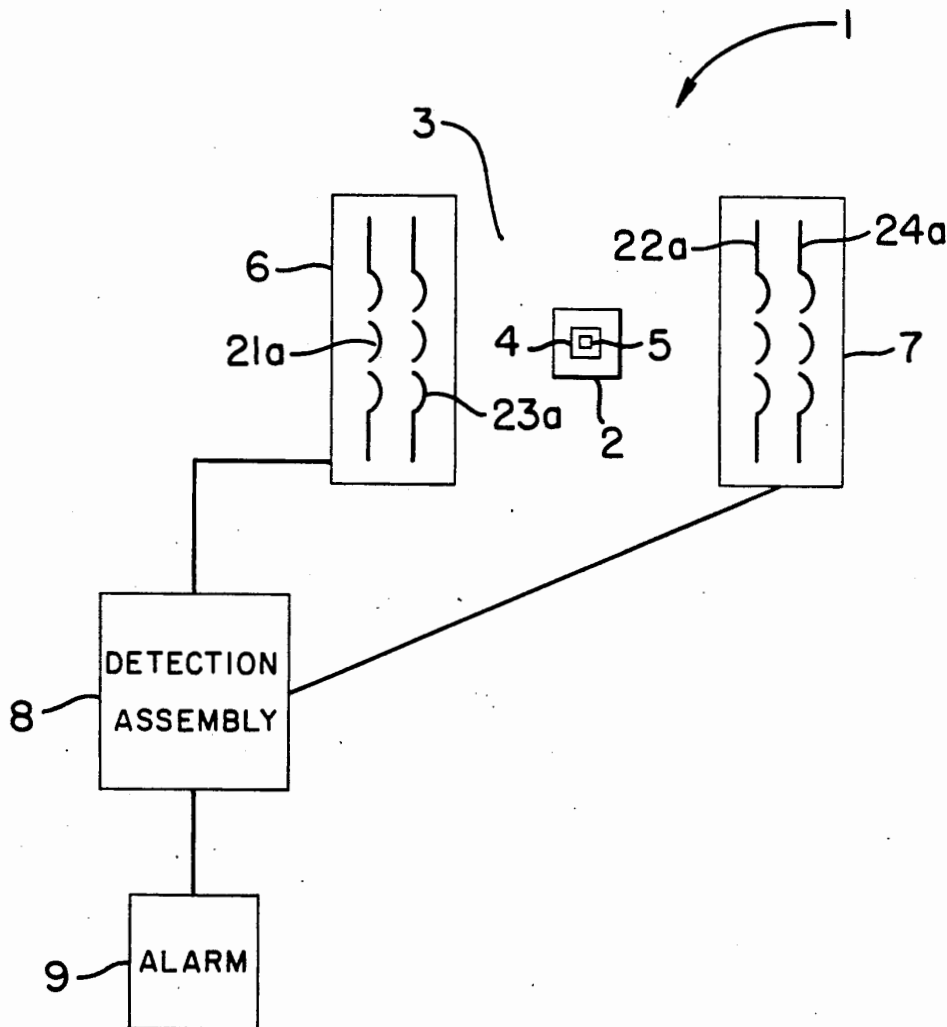
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[57] ABSTRACT

A magnetic article surveillance system in which surveillance is carried out by operating the system in first and second different modes of a magnetic transmitting and receiver means in order to make a determination as to the presence of an article in the zone.

62 Claims, 8 Drawing Sheets



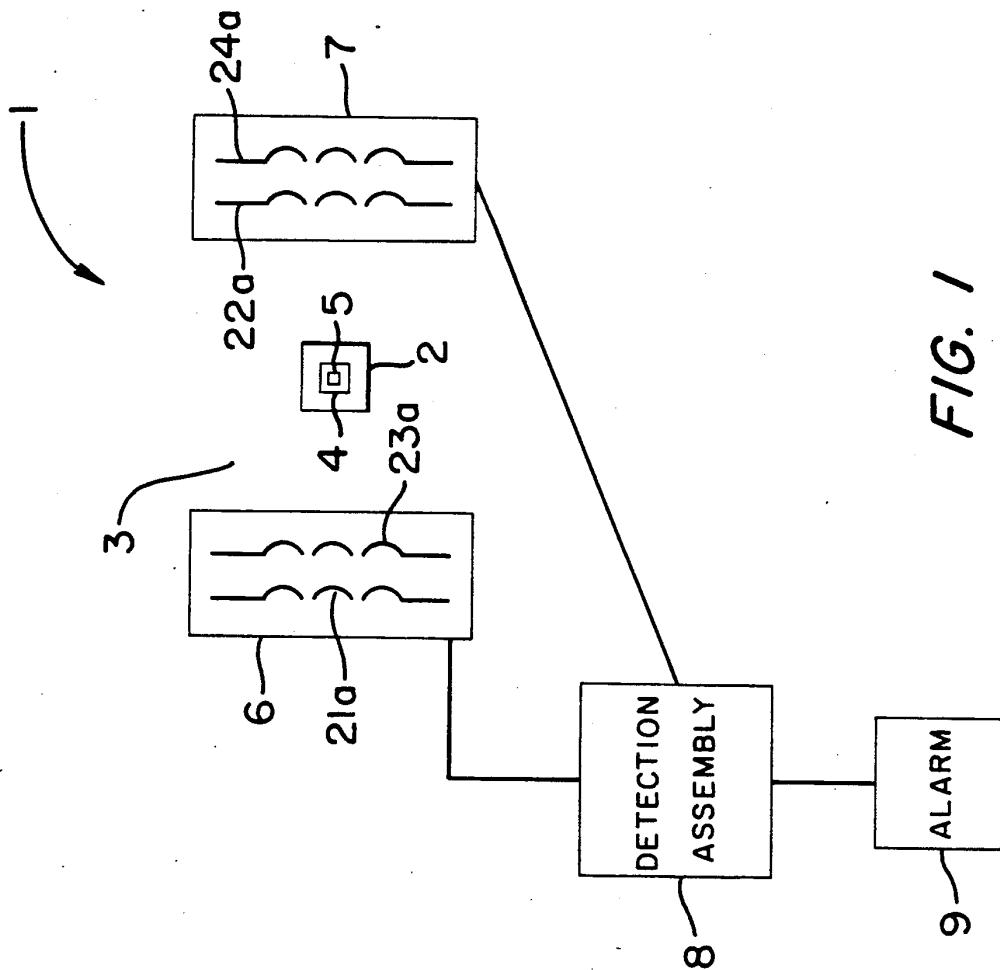


FIG. 1

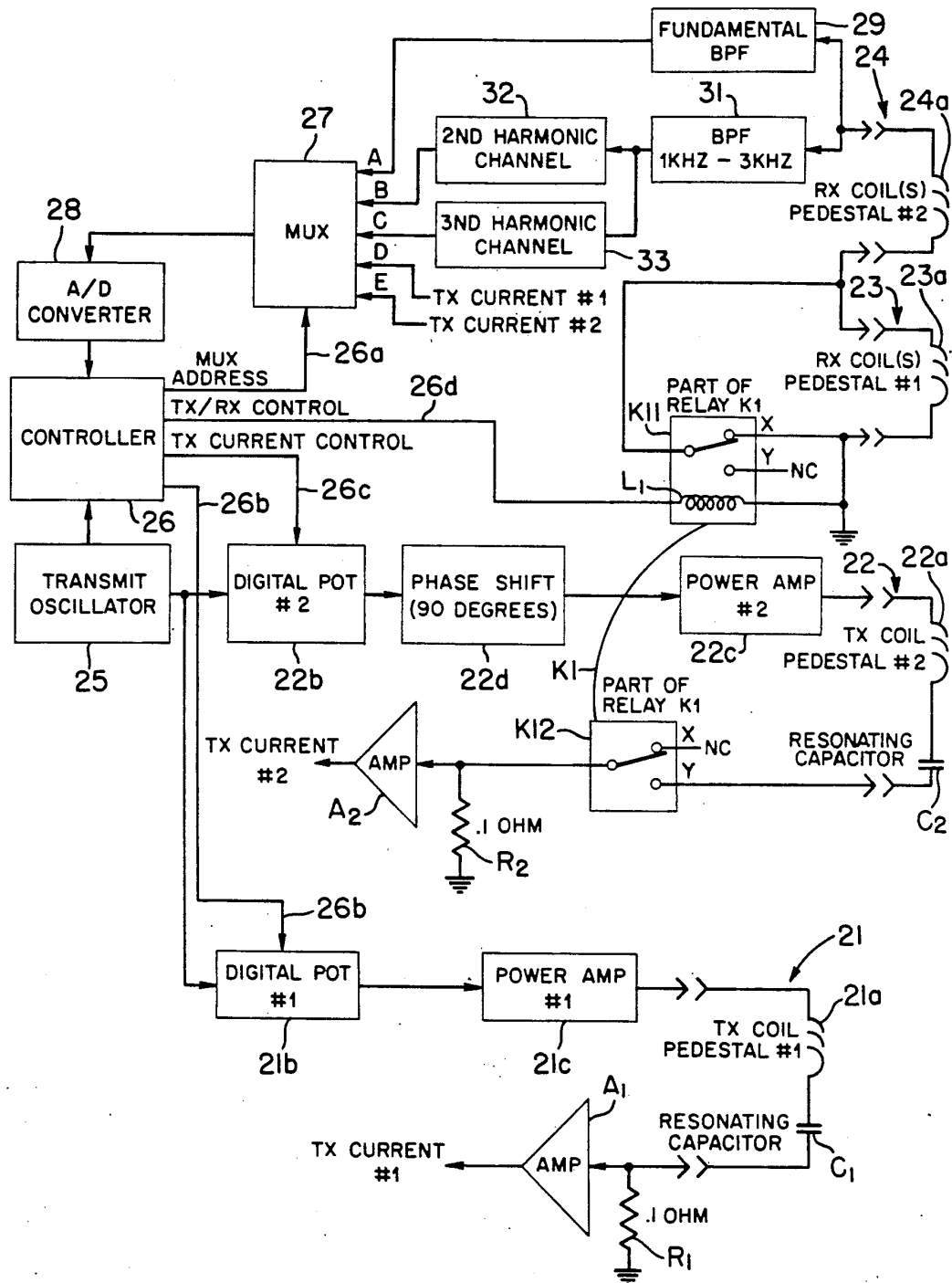


FIG. 2

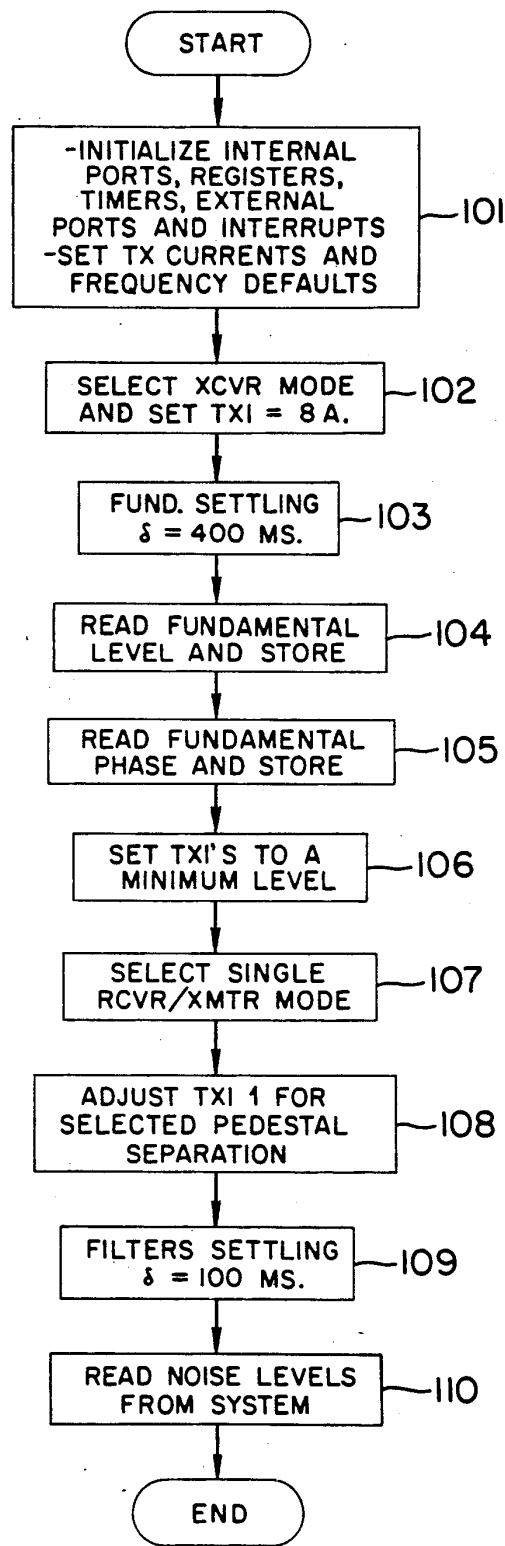


FIG. 3

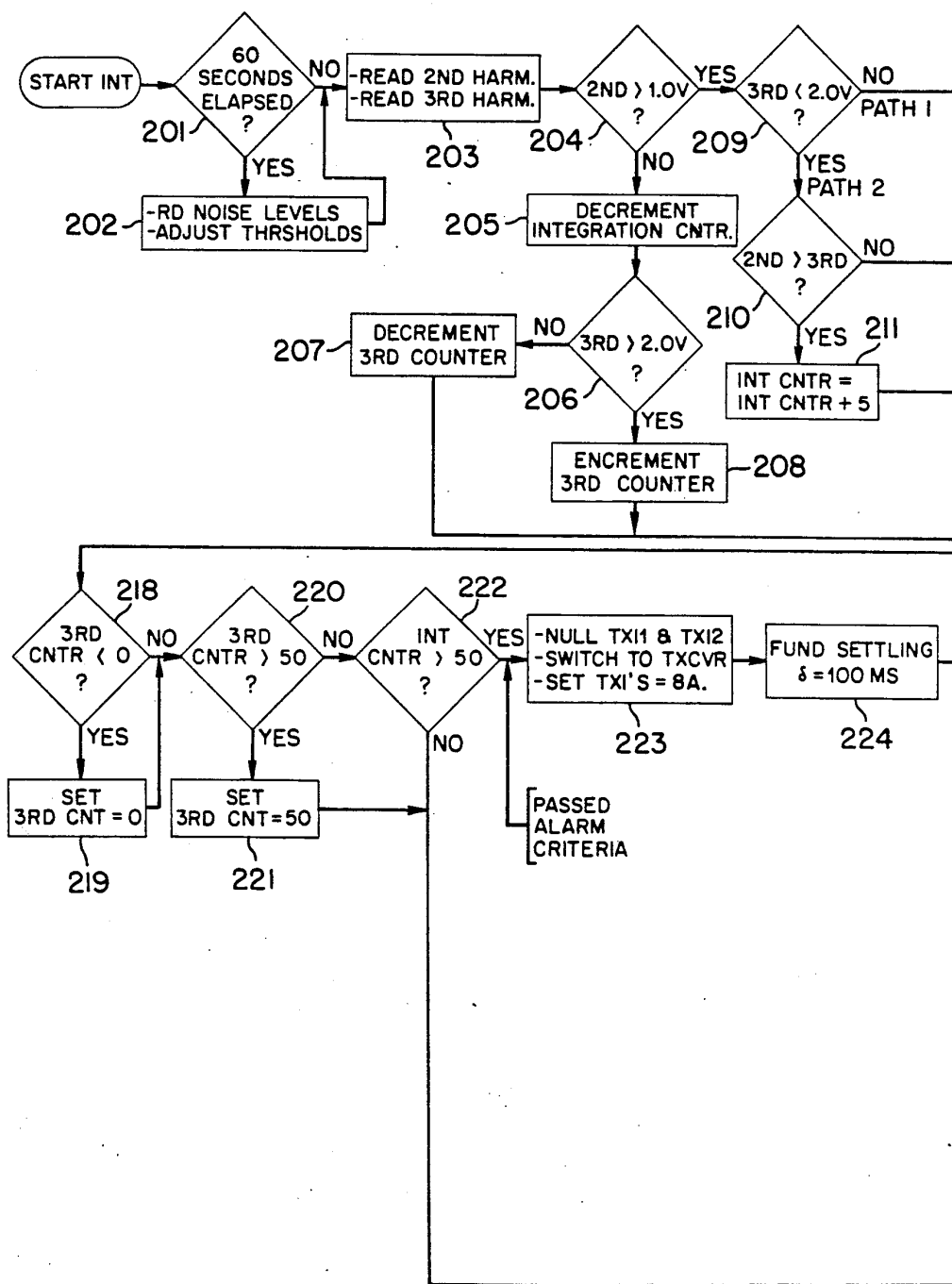


FIG. 4A

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