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Barrett et al.

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[54] AUTOMATIC ENCRYPTION SELECTOR

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[51] Int. Cl.⁵ H04K 1/00; H04K 9/00;

H04L 9/02 U.S. Cl. 380/28; 380/21;

380/47; 380/2 [58] Field of Search 380/28, 47, 21, 1, 2

[56] References Cited

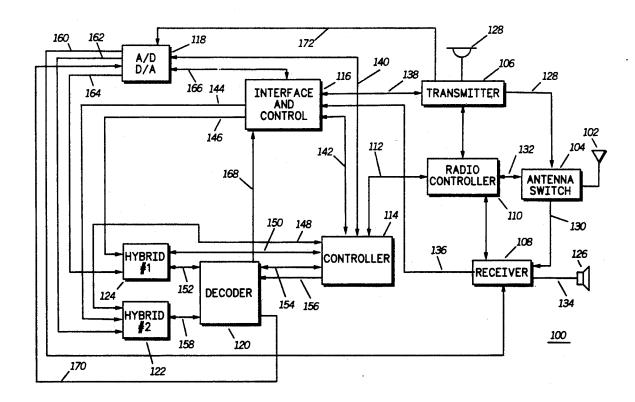
U.S. PATENT DOCUMENTS

4,819,267 4/1989 Cargile et al. 380/23 Primary Examiner-Stephen C. Buczinski Attorney, Agent, or Firm-Pedro P. Hernandez

ABSTRACT

A radio (100) capable of automatically selecting an encryption algorithm from among a plurality of algorithms (122 and 124) is disclosed. The method for automatically selecting the proper encryption hybrid includes the steps of: attempting to decrypt the encrypted signal with one of the plurality of encryption algorithms; determining if the encryption algorithm used to decrypt the encrypted signal matches the encryption algorithm used by the encrypted signal; and developing a control signal upon the proper matching of the encryption algorithms.

6 Claims, 5 Drawing Sheets





U.S. Patent

FIG.2

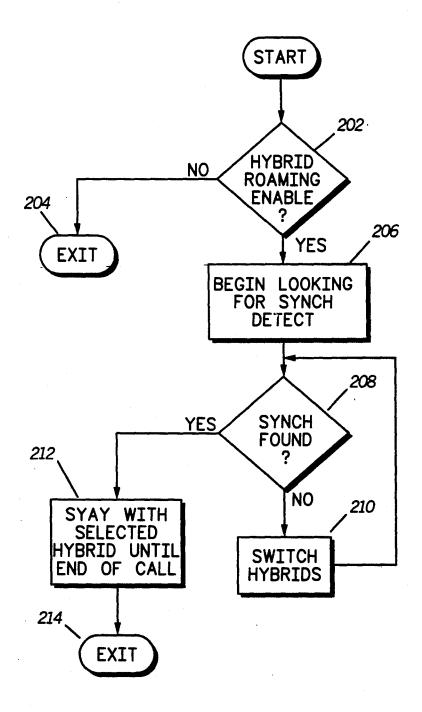




FIG.3

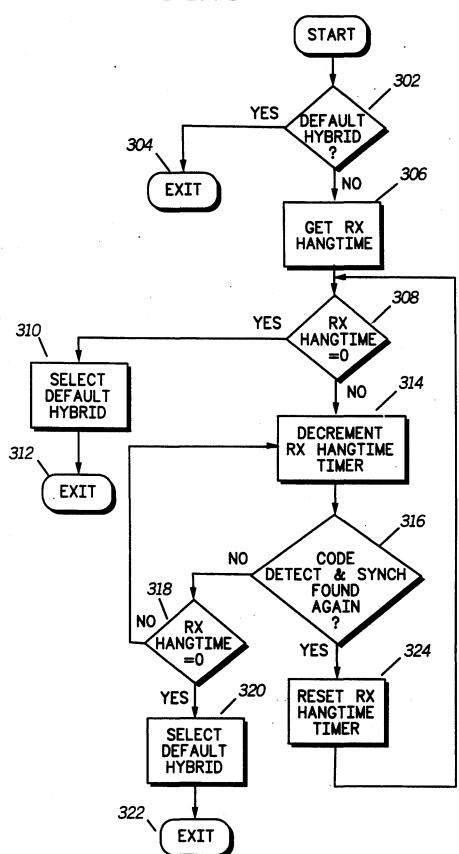
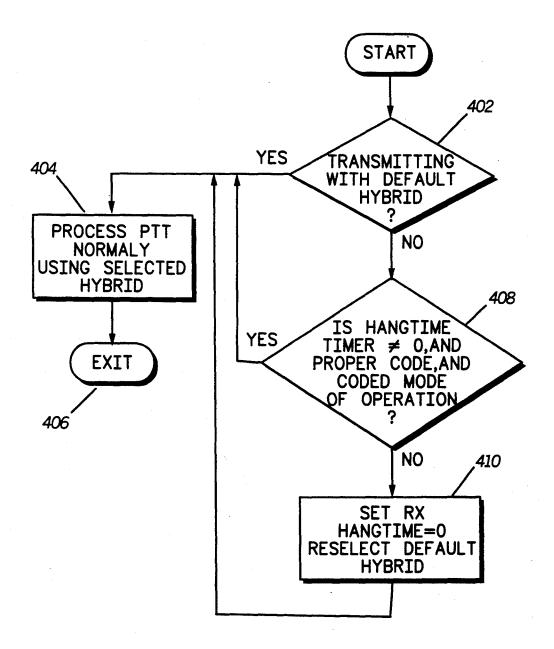




FIG.4



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