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[54] **DATA BURST RANDOMIZER**

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Related U.S. Application Data

[63] Continuation of Ser. No. 194,823, Feb. 14, 1994, which is a continuation of Ser. No. 846,312, Mar. 5, 1992, abandoned, which is a continuation-in-part of Ser. No. 543,496, Jun. 25, 1990, Pat. No. 5,103,459.

[51] **Int. Cl.**[6] **H04J 13/02**; H04B 1/69

[52] **U.S. Cl.** **375/205**; 375/200; 375/309; 380/34; 370/18

[58] **Field of Search** 375/168, 200–210, 375/309; 380/34, 28; 365/233; 370/18, 19, 20, 58.1, 58.2, 60, 68, 91, 94.1, 95.3

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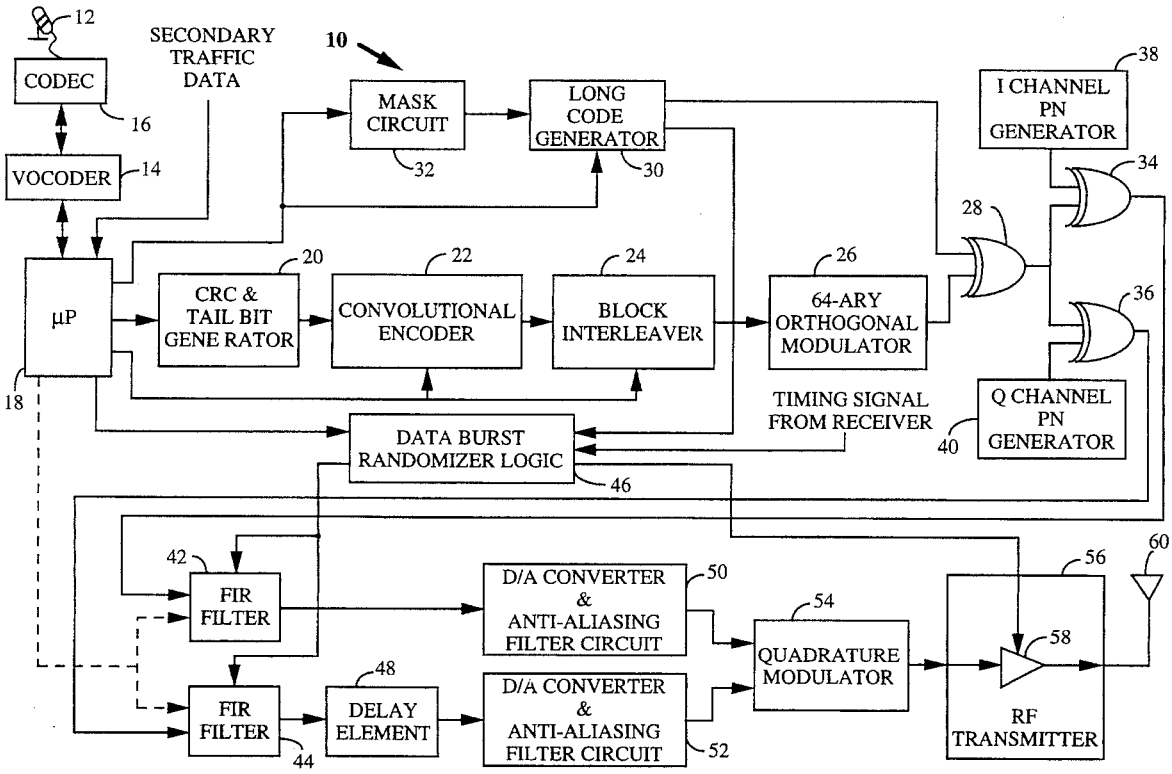
[57] **ABSTRACT**

A method and system, for use in a communication system in which data is transmitted in data frames of a predetermined time duration, for the positioning of the data within the data frames for transmission. A computation circuit computes according to the deterministic code a pseudorandom position for the data within each data frame. A positioning circuit positions the data within each data frame in the computed position.

76 Claims, 25 Drawing Sheets