

[54] CATV SUBSCRIBER TERMINAL TRANSMISSION CONTROL

[56] References Cited

U.S. PATENT DOCUMENTS

[75] Inventors: Michel Dufresne, Boucherville; Samir Sammoun, Brossard; Dave Gregory, Calgary; Jean-Paul Champagne, Brossard; Alain Tessier, Piedmont; Pierre Scott; Francois Methot, both of Montreal, all of Canada

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[57] ABSTRACT

[21] Appl. No.: 262,802

A bidirectional cable communication system comprising a head end, a bidirectional transmission network connected to the head end for transmitting signals downstream from the head end to a plurality of subscriber stations and for transmitting data signals upstream to the head end from the subscriber stations, means at the head end for detecting collisions between signals received from the subscriber stations and for generating a collision signal, means at the head end for transmitting downstream on the transmission system status bits of data signal indicative of the collision, whereby upon detection thereof by a subscriber station it can be enabled to cease transmission.

[22] Filed: Oct. 26, 1988

[30] Foreign Application Priority Data

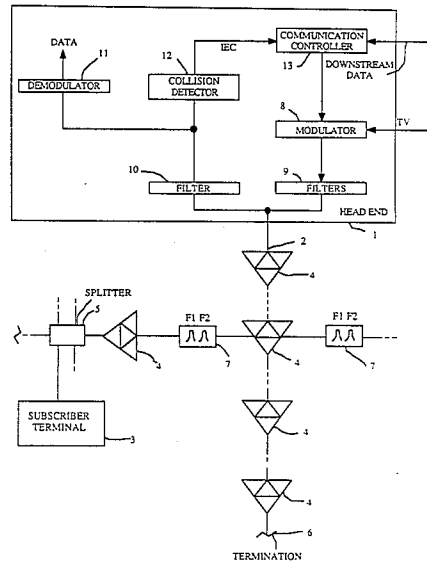
Nov. 2, 1987 [CA] Canada ..... 550764

[51] Int. Cl.<sup>5</sup> ..... H04N 7/08

[52] U.S. Cl. .... 370/85.2; 370/94.1; 455/5; 358/86

[58] Field of Search ..... 370/85, 89, 94, 124, 370/69.1, 123; 325/45, 46; 455/3, 4, 5, 6; 340/825.5; 358/84, 86; 380/10, 20

30 Claims, 6 Drawing Sheets



**EXHIBIT**  
**Ex. 1009**

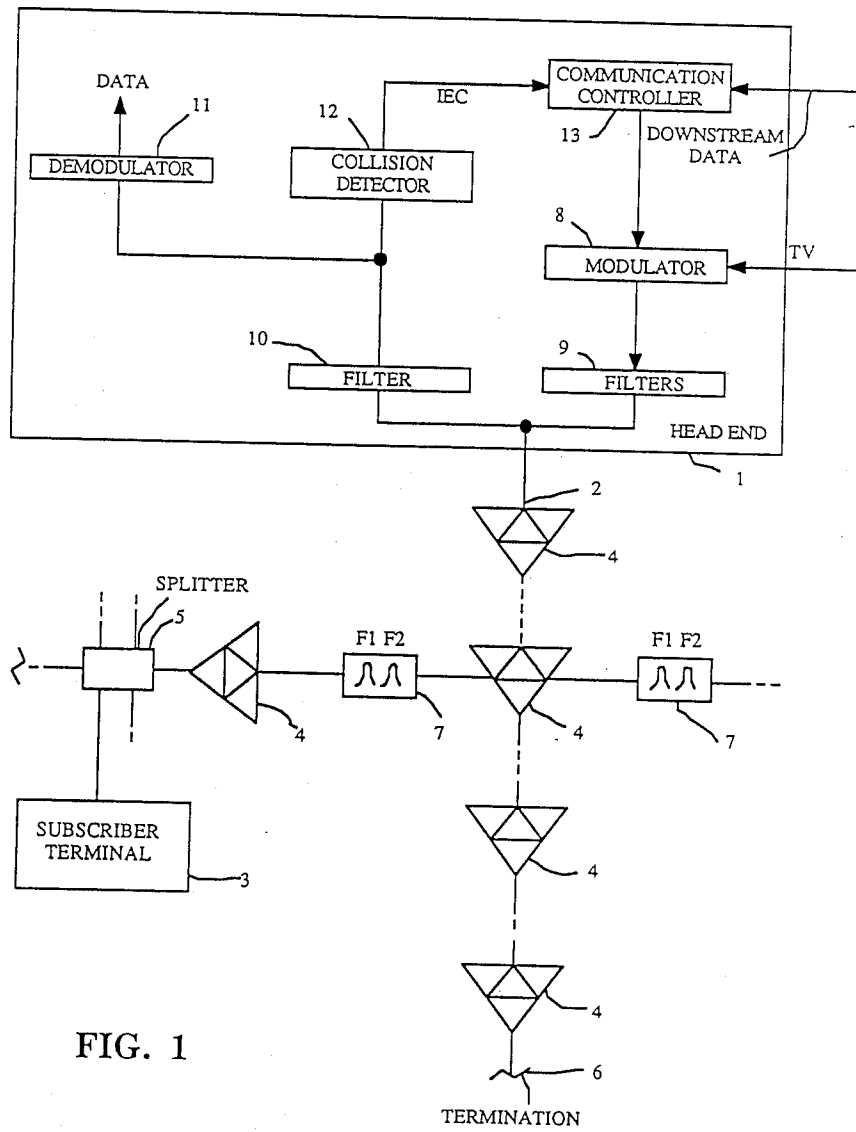


FIG. 1

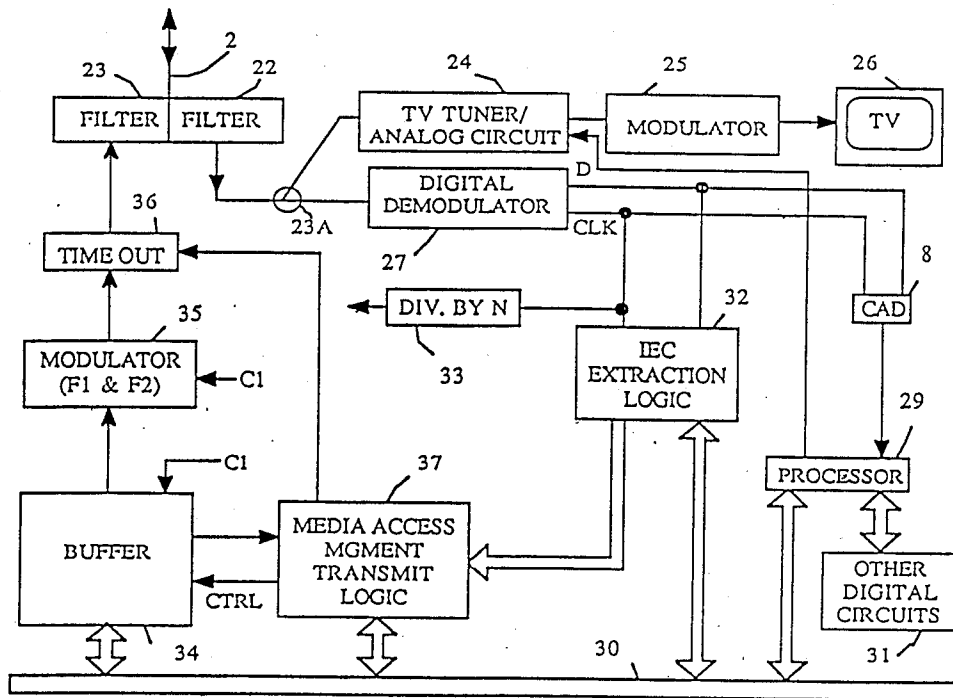


Fig. 4

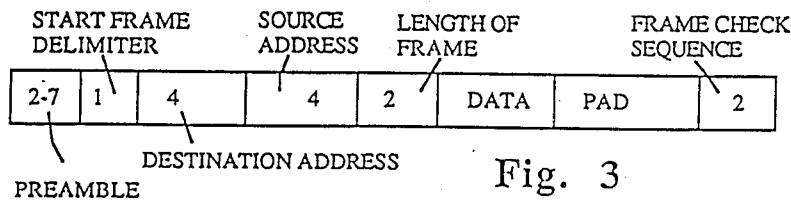


Fig. 3

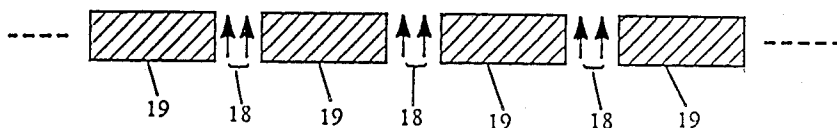


Fig. 2

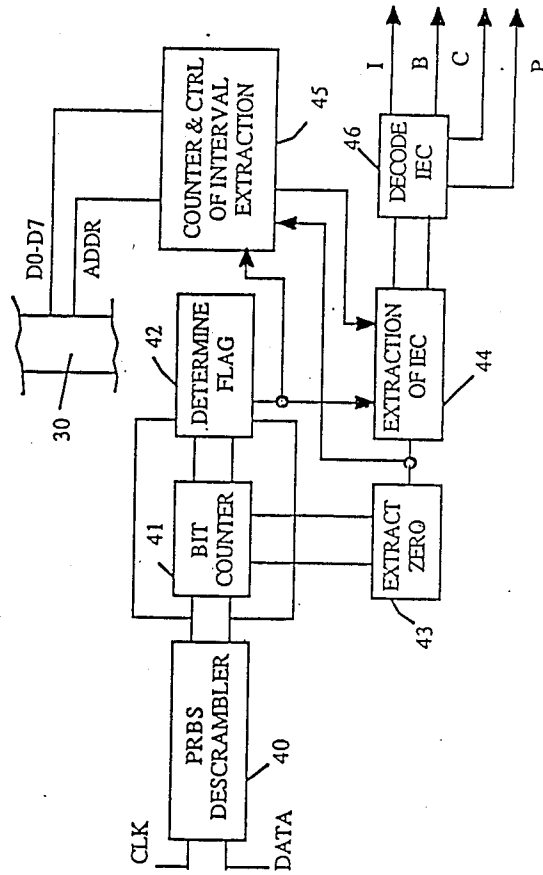


FIG. 5

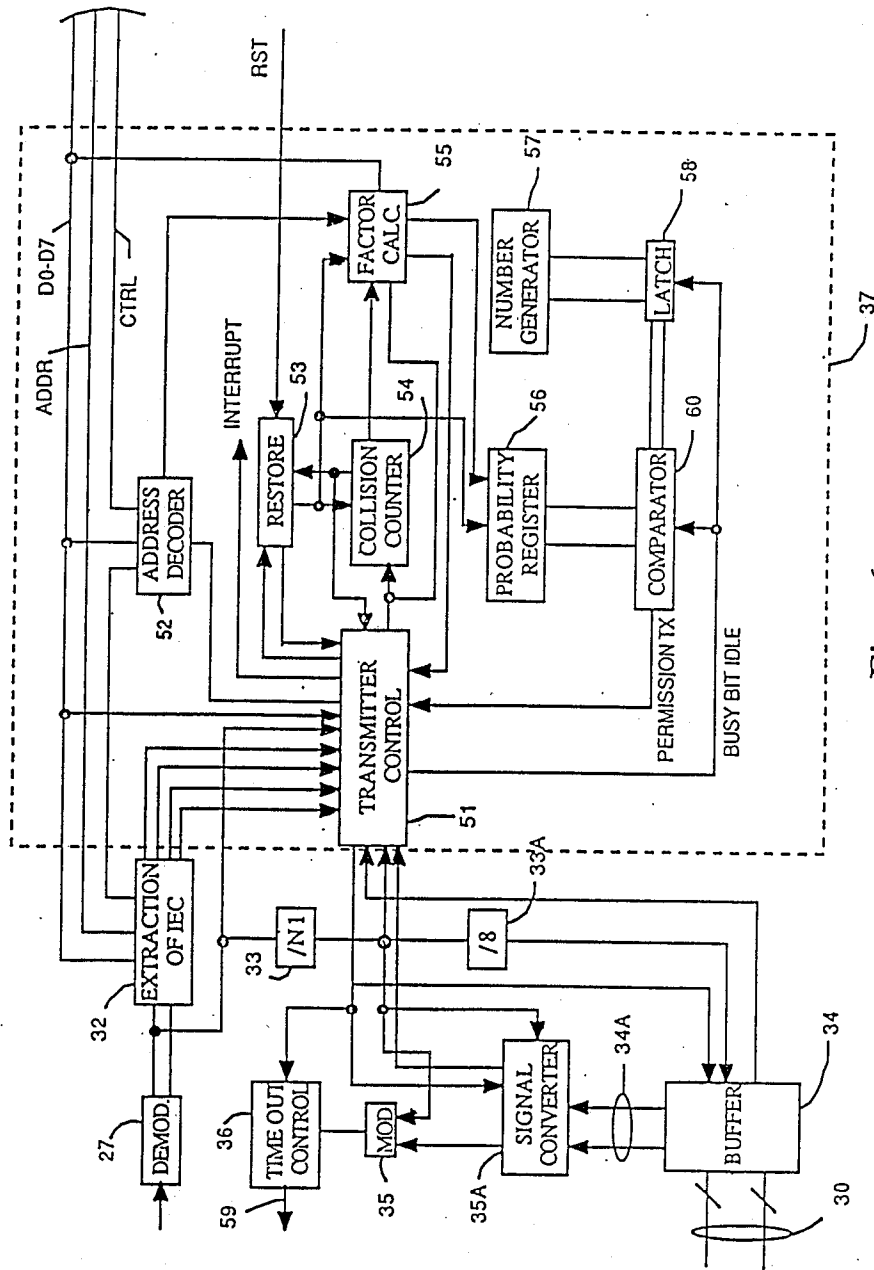


Fig. 6

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