

[54] TRANSMITTER AND RECEIVER FOR THE TRANSMISSION OF DIGITAL DATA OVER STANDARD TELEVISION CHANNELS

3,046,331 7/1962 Gebel..... 178/6.8
3,649,750 3/1972 Gibson..... 178/DIG. 23

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[57] ABSTRACT

[22] Filed: Oct. 4, 1971

Apparatus and a method for the economical distribution of digital data to a number of data terminals using standard commercial television channels including a digital transmitter for transmitting digital data over a video cable and a receiver for receiving the transmitted digital data and selectively distributing the recovered data to the desired data terminals. A method for sending digital data bit by bit over television channels in a field by field manner to a plurality of terminals in a manner such as to greatly simplify the detection of any errors and offering an advantage of decreasing the probability of errors as more data terminals are added to the system.

[21] Appl. No.: 186,020

[52] U.S. Cl. 178/5.6, 178/6.8, 178/DIG. 23, 178/DIG. 13

[51] Int. Cl. H04n 7/00

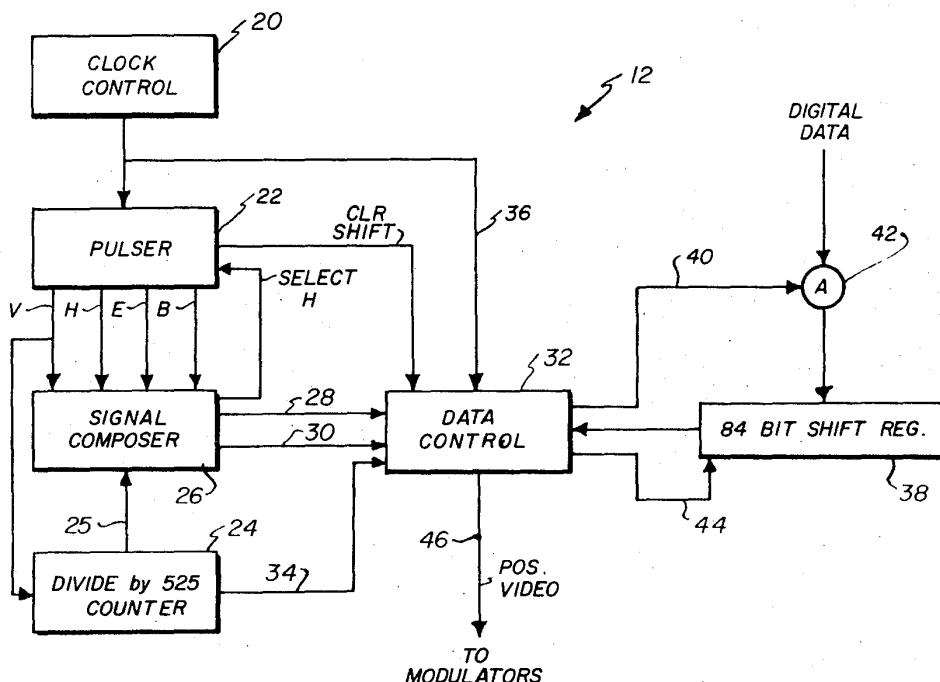
[58] Field of Search..... 178/5.6, 6.8, DIG. 13, 178/DIG. 23

[56] References Cited

UNITED STATES PATENTS

3,493,674 2/1970 Houghton 178/DIG. 23

8 Claims, 11 Drawing Figures



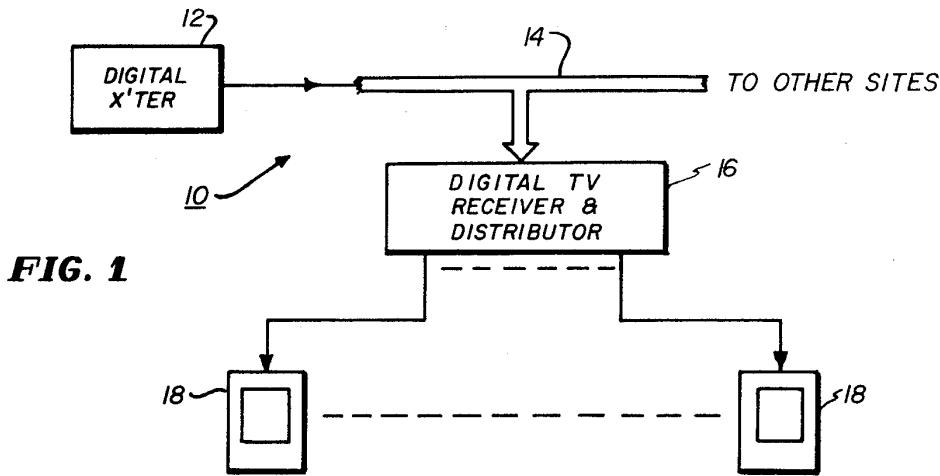


FIG. 1

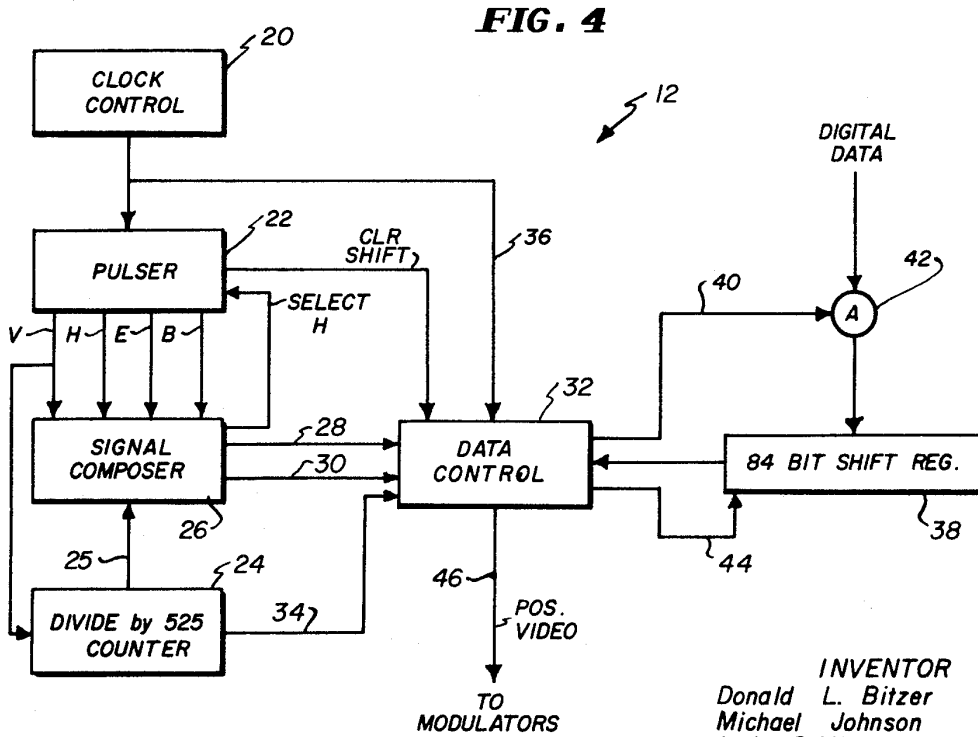


FIG. 4

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FIG. 2

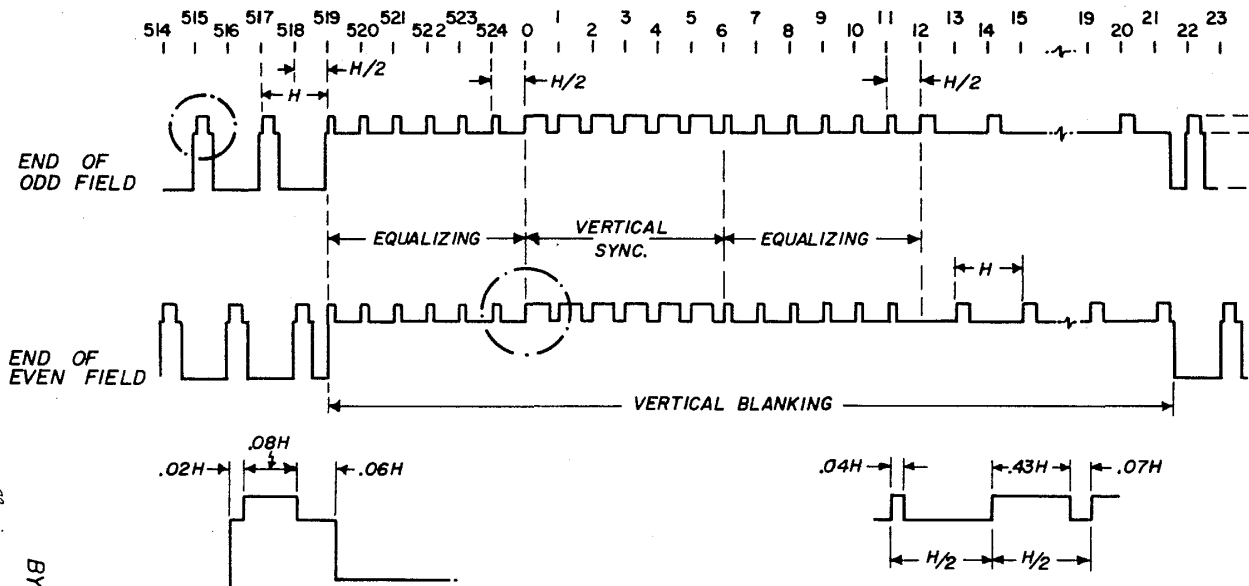


FIG. 2A

FIG. 2B

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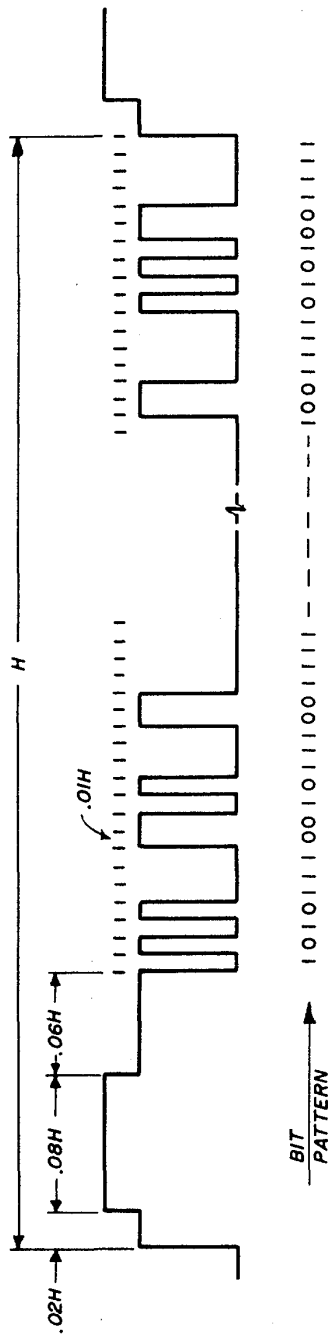


FIG. 3

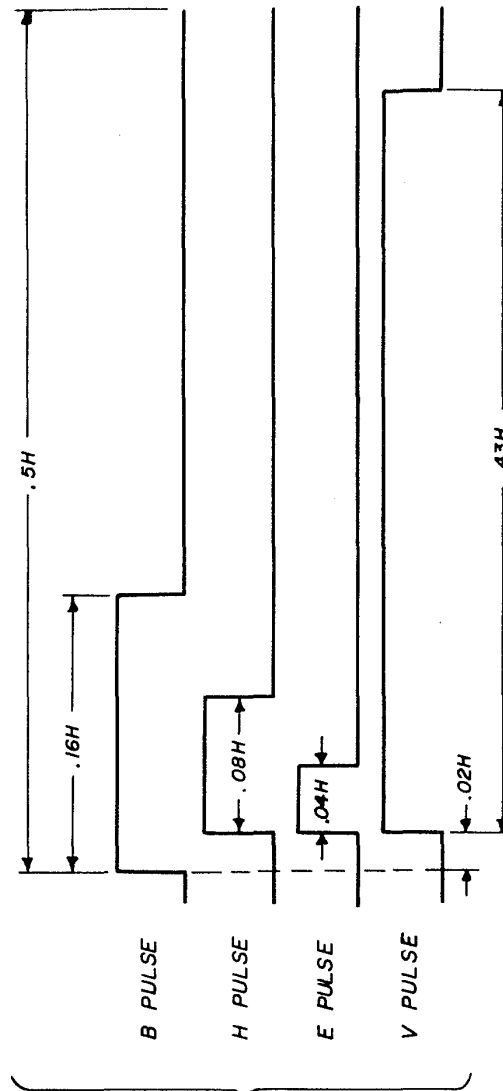


FIG. 5

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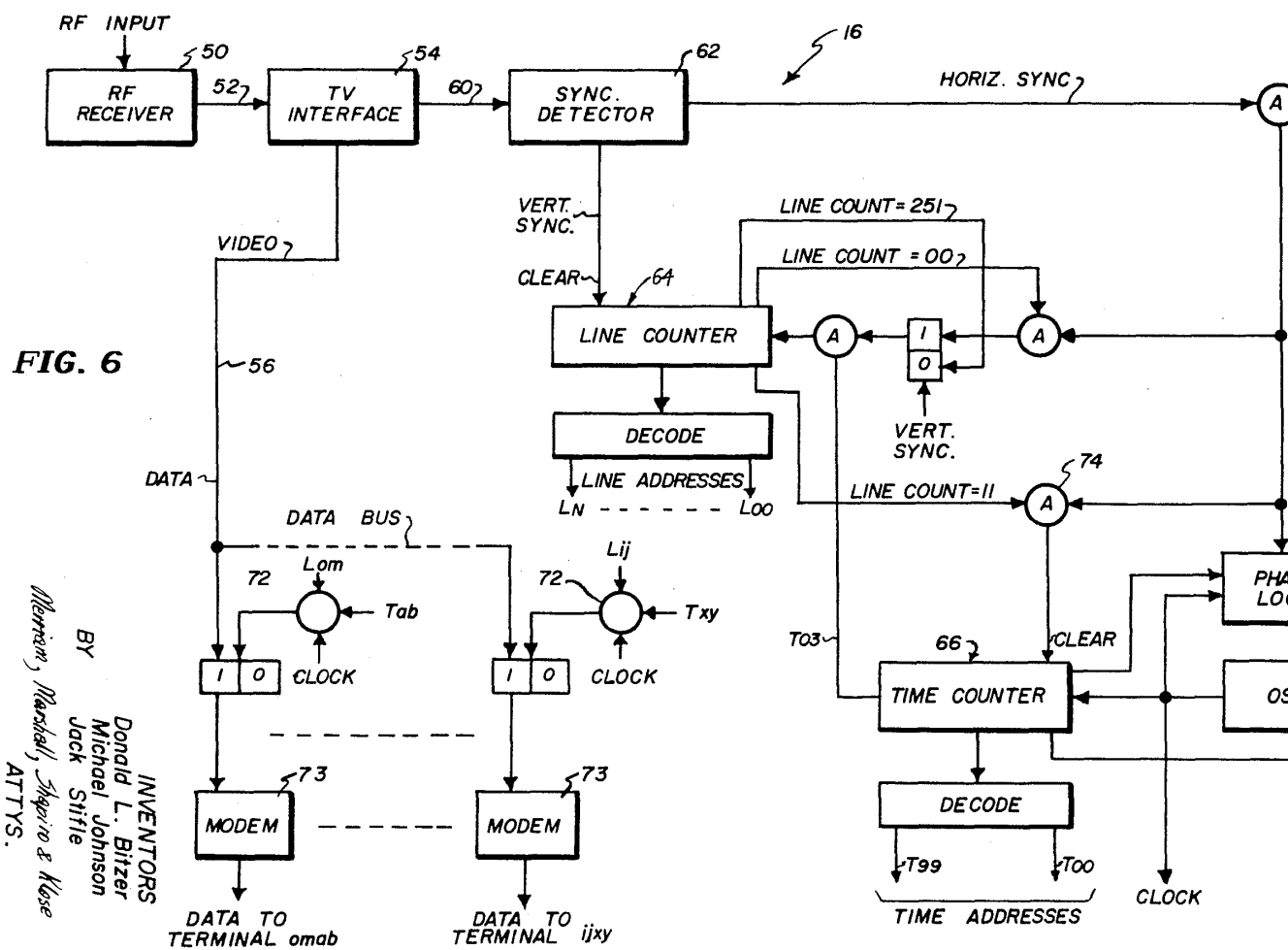


FIG. 6

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