

# United States Patent [19]

Parsons

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[54] APPARATUS FOR RECEIVING AND  
DISPLAYING CONTINUOUSLY UPDATED  
DATA

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Va.

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[51] Int. Cl.<sup>3</sup> ..... G06F 7/00

[52] U.S. Cl. .... 364/900

[58] Field of Search ..... 235/454, 380, 381, 382;  
371/49; 364/200, 900; 340/825.26, 142; 179/2  
DP; 370/71

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Primary Examiner—Charles E. Atkinson

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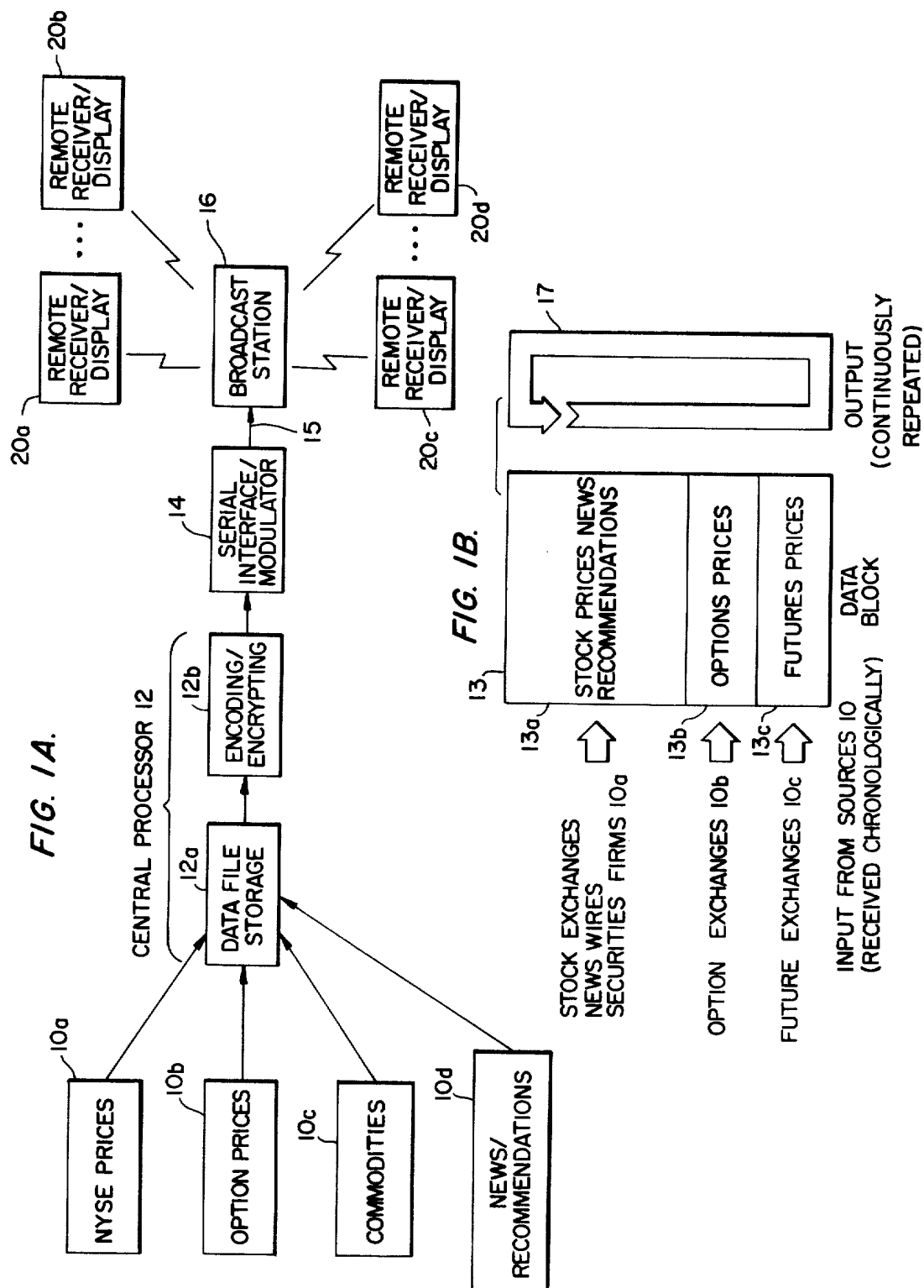
Attorney, Agent, or Firm—Mason, Fenwick & Lawrence

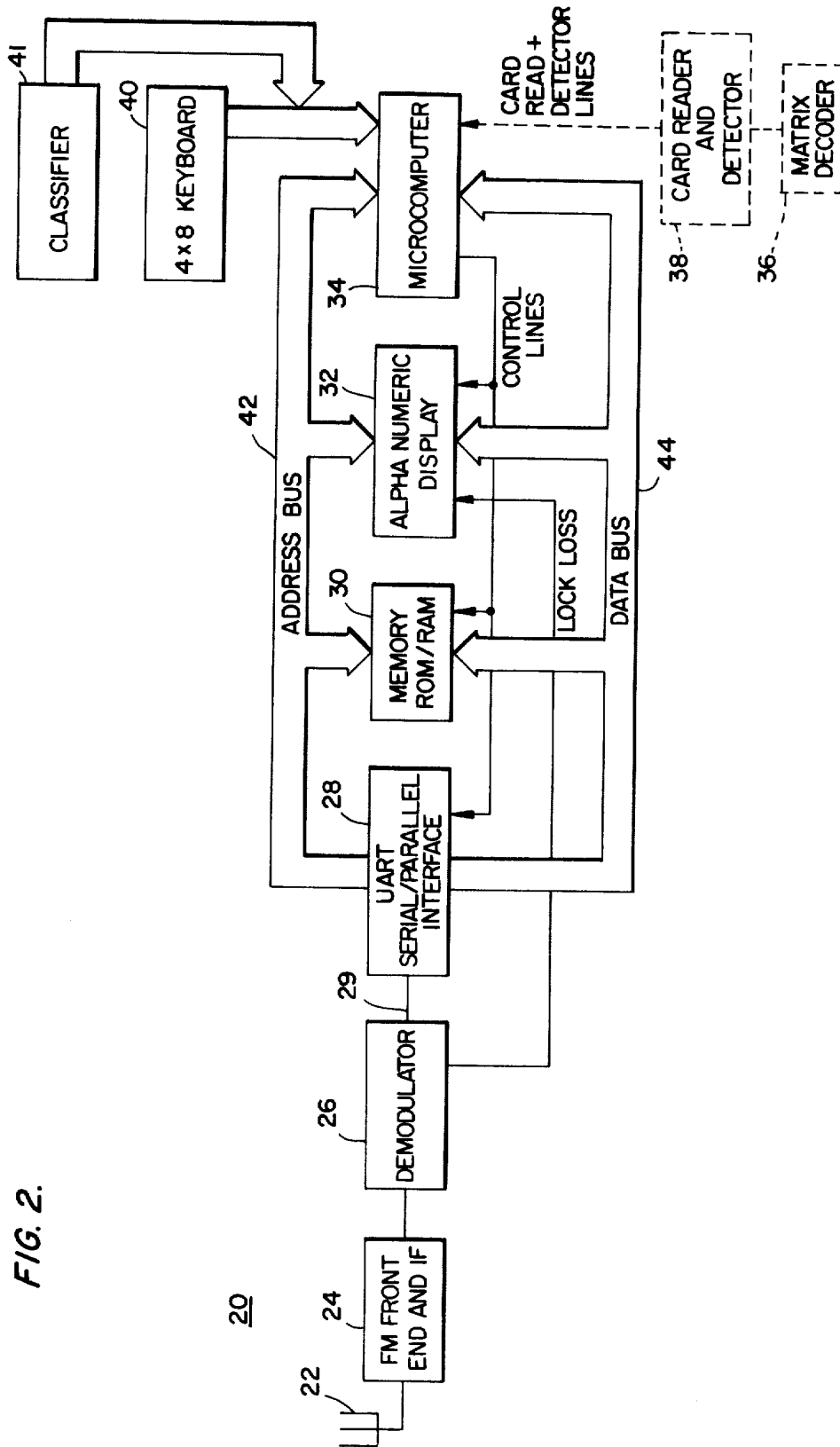
## [57] ABSTRACT

Receiving and displaying apparatus is disclosed for receiving a continuously transmitted stream of encoded data messages, whereby selected of the data messages are stored in an updateable, addressable memory having a plurality of locations, one for each of the selected data messages. Each of the data messages has its unique word identifying the nature of the data message. In particular, the receiving and displaying apparatus includes a temporary storage means wherein each data message and in particular, its identifying word is stored and means for comparing the temporarily stored identifying word with the identifying word of each of the data messages as presently stored within the locations of the addressable memory. The comparing means operates to successively compare the temporarily stored identifying word with the identifying words as stored with each of the plurality of locations and if there is a match, for updating the matched location with the new data message and if a match is not made, to discard that incoming data message.

39 Claims, 23 Drawing Figures

ZYNGA EX. 1015





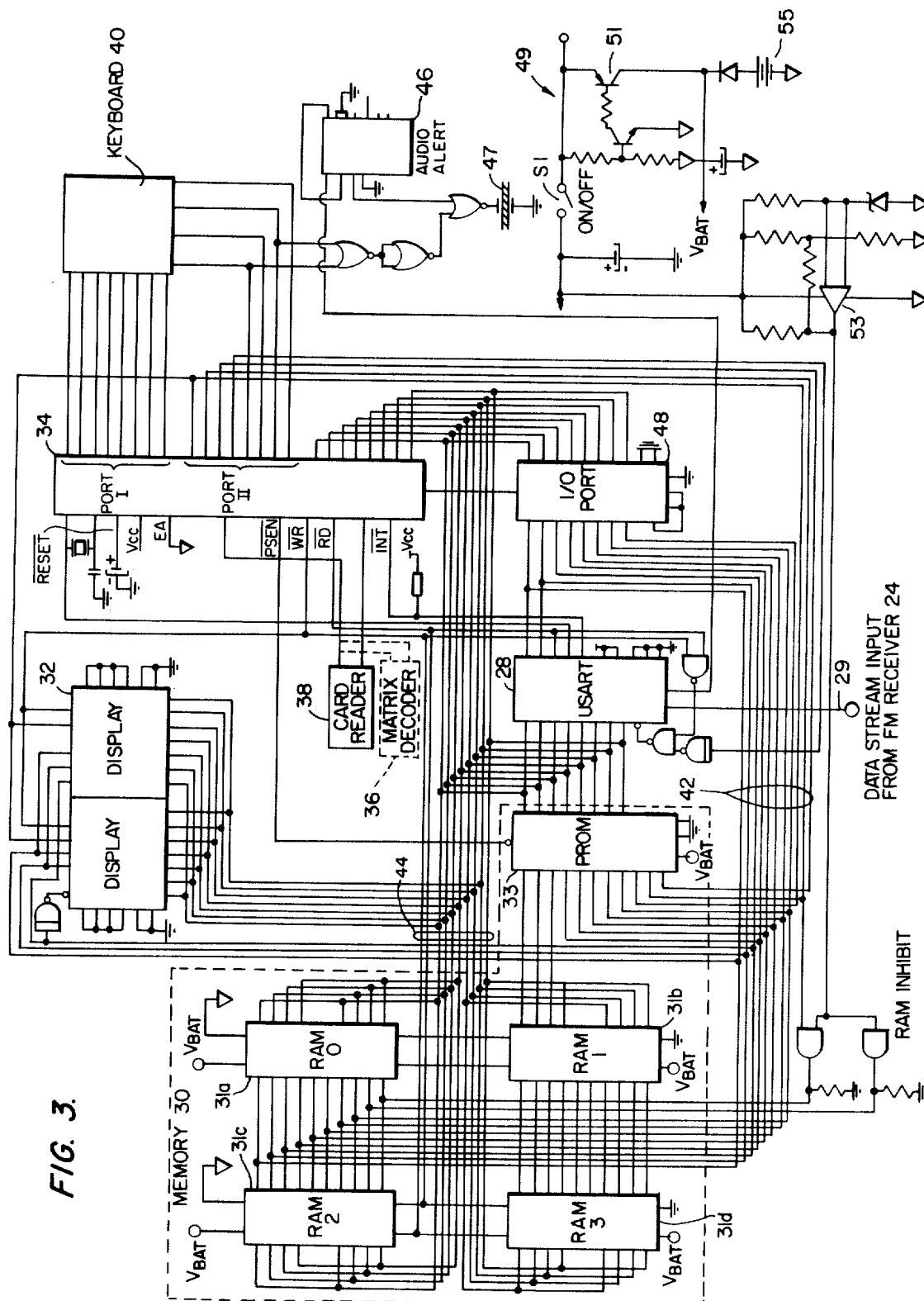


FIG. 4A.

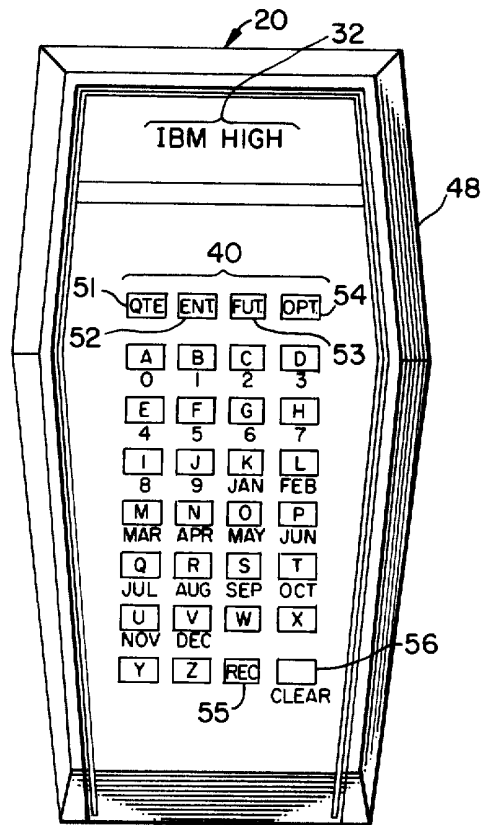


FIG. 4B.

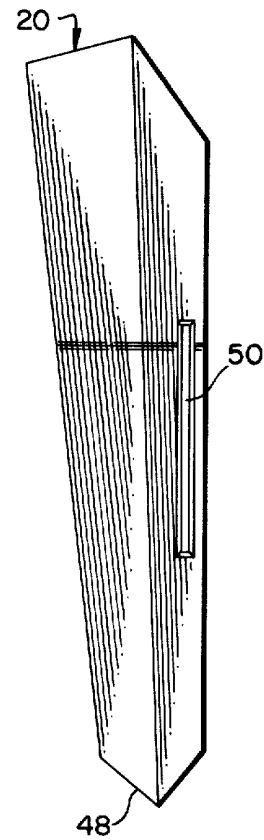


FIG. 5A.

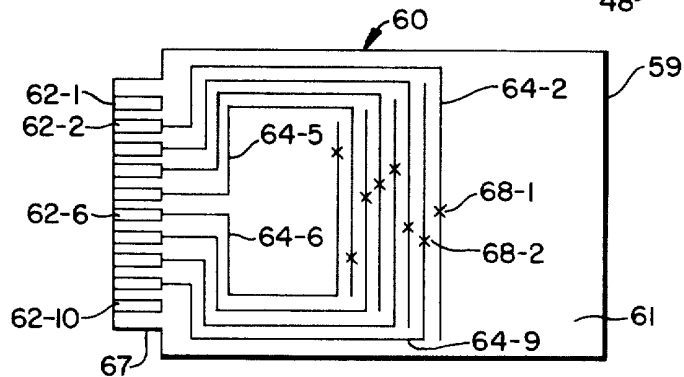
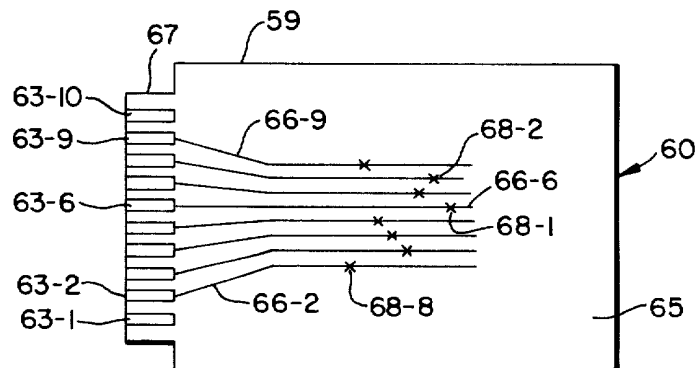


FIG. 5B.



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