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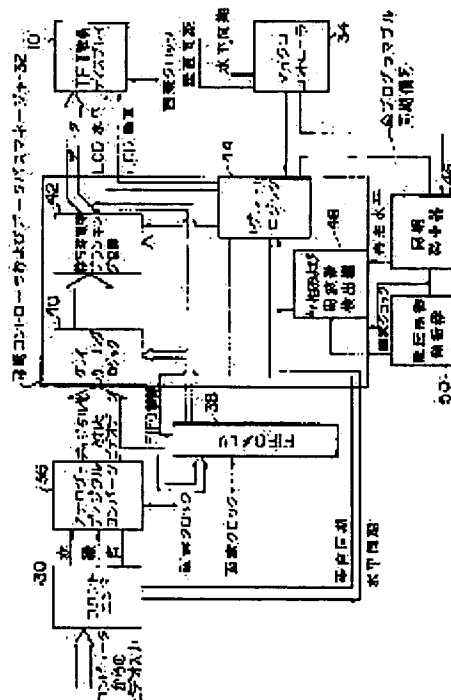
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## (54) METHOD FOR DISPLAYING RGB AND SYNCHRONIZING VIDEO SIGNAL WITHOUT USING AUXILIARY FRAME STORING MEMORY

## (57)Abstract:

PURPOSE: To solve problems to be generated at the time of displaying video data based on various video standards on a liquid crystal display(LCD) without preparing an auxiliary frame memory and an address system.

CONSTITUTION: An input video signal is sampled and analyzed to discriminate which existing video format corresponds to the input video signal. The video signal is conditioned so as to suit the LCD device 10. When the number of lines of the video signal is less than the number of effective display lines in the LCD, every other video frame is displayed and a display frame rate is reduced to a half of an input frame rate. When the number of lines of the input signal is less than a half of the number of effective display lines, the input signal is supplied to a line buffer memory 38, the input signal is read out from the memory 38 to the LCD by twice the video input line rate and a video image more desirable than covering a large part of the LCD panel is formed by the double scanning of each line.



## LEGAL STATUS

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