



- [54] VIDEO SIGNAL COMPENSATION APPARATUS
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- [73] Assignee: Matsushita Electric Industrial Co., Ltd., Osaka, Japan
- [21] Appl. No.: 11,828
- [22] Filed: Feb. 1, 1993

4,897,639 1/1990 Kanayama 340/812

FOREIGN PATENT DOCUMENTS

- 0190738A2 8/1986 European Pat. Off. .
- 0195203A3 9/1986 European Pat. Off. .
- 0313331 4/1989 European Pat. Off. 340/784
- 0314084A3 5/1989 European Pat. Off. .
- 0303510A3 7/1989 European Pat. Off. .
- 2846874A1 5/1979 Fed. Rep. of Germany .
- 61-243495 10/1986 Japan .
- 62-209418 9/1987 Japan .
- 63-37785 2/1988 Japan .
- 63-148781 6/1988 Japan .
- 2207271 1/1989 United Kingdom 340/784

Related U.S. Application Data

- [63] Continuation of Ser. No. 537,939, Jun. 14, 1990, abandoned.

Foreign Application Priority Data

- Jun. 15, 1989 [JP] Japan 1-153391
- Jul. 7, 1989 [JP] Japan 1-175854

- [51] Int. Cl.⁵ G09G 3/36
- [52] U.S. Cl. 345/89; 345/147; 345/199
- [58] Field of Search 340/703, 721, 767, 782, 340/784, 793, 805, 811, 812; 358/29, 32; 345/147, 87, 89, 199, 112

References Cited

U.S. PATENT DOCUMENTS

- 4,386,345 5/1983 Narveson et al. 340/721
- 4,766,427 8/1988 Abe et al. 340/721
- 4,801,933 1/1989 Yamamoto et al. 340/702
- 4,825,201 4/1989 Watanabe et al. 340/765
- 4,827,255 5/1989 Ishii 340/703

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[57] ABSTRACT

In a dot matrix type display represented by a liquid crystal television receiver, as the use of a large screen display screen size progresses, display non-uniformity becomes significant at some screen position attributed to the combination of the property of display panel with the characteristic of the optical system and the like. According to the present invention, by splitting the display screen and converting the video signal by using the different correction data by the split region, display can be performed with composite correction of the display non-uniformity.

9 Claims, 25 Drawing Sheets

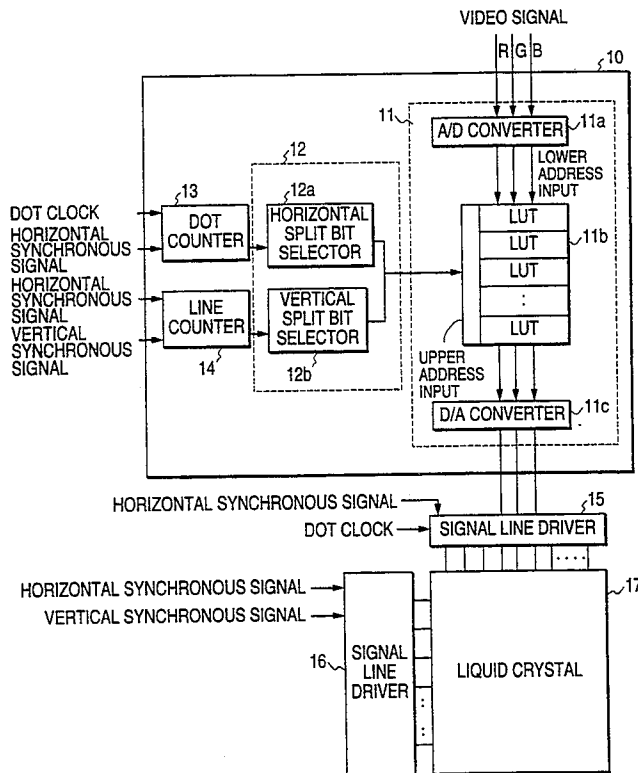


FIG. 1

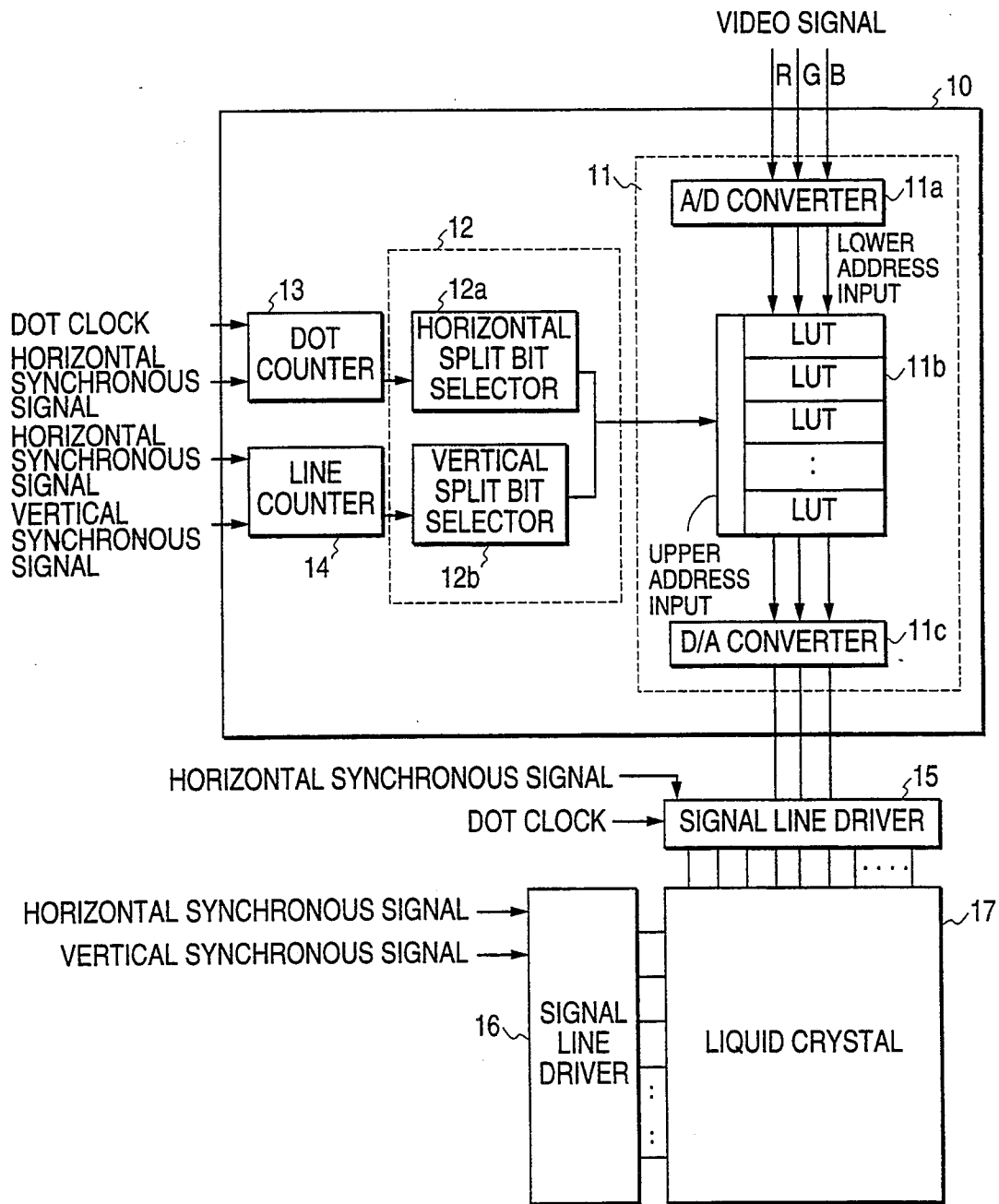


FIG. 2

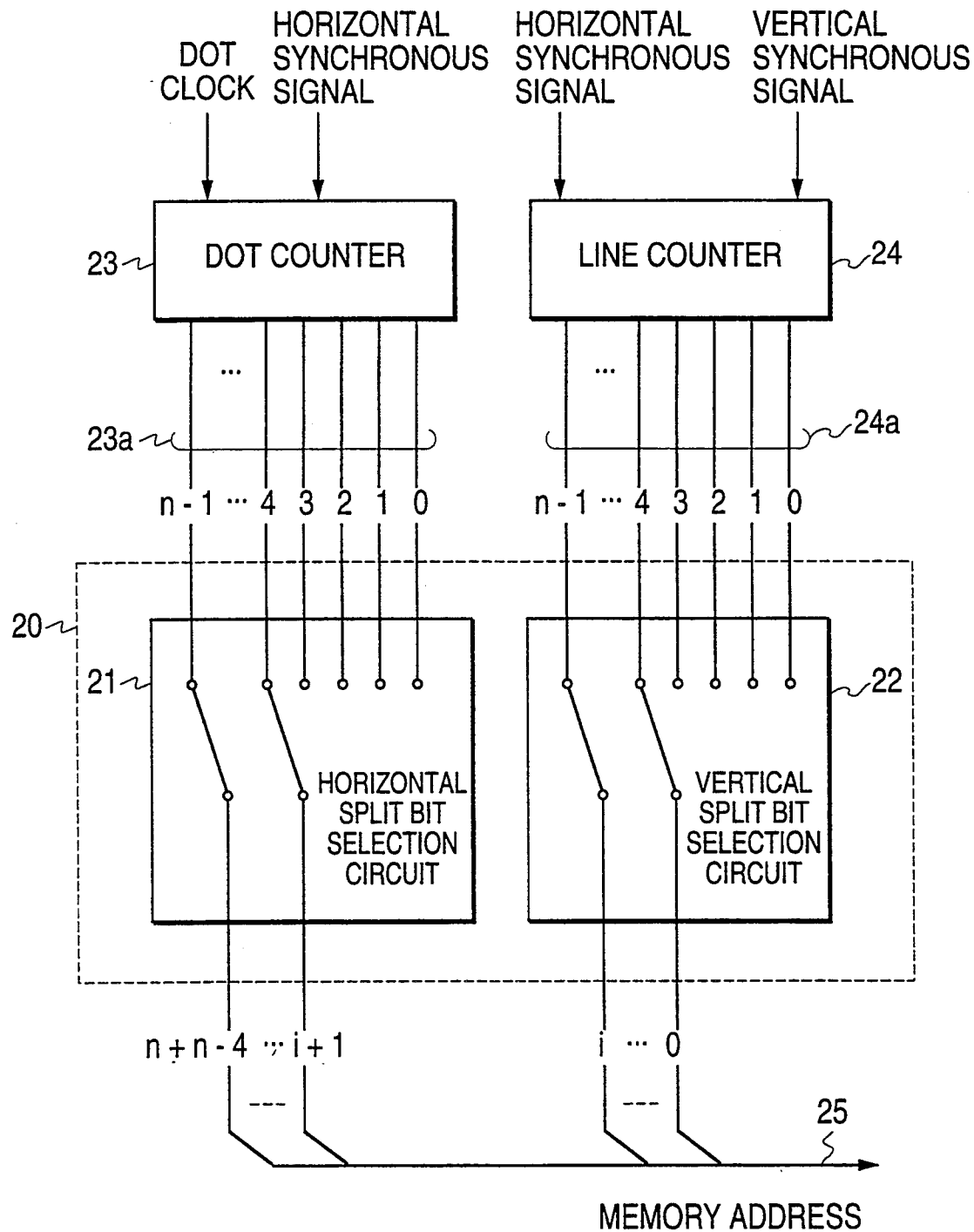


FIG. 3

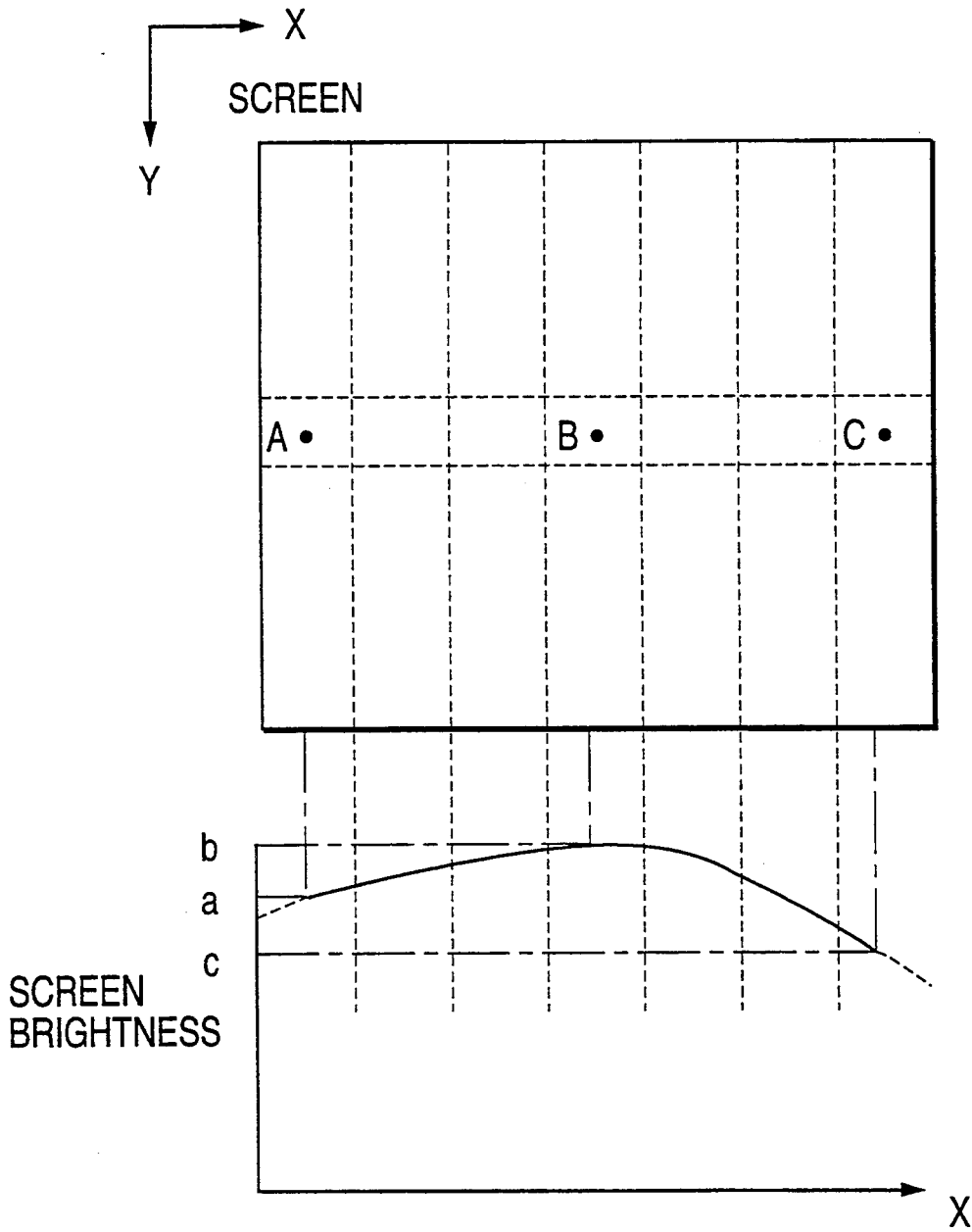


FIG. 4(A-1)

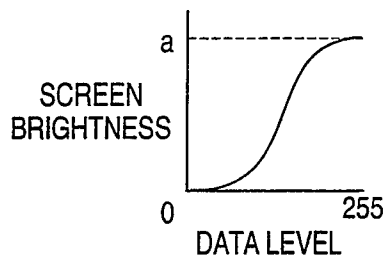


FIG. 4(A-2)

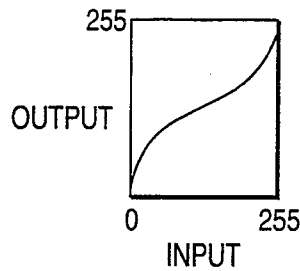


FIG. 4(A-3)

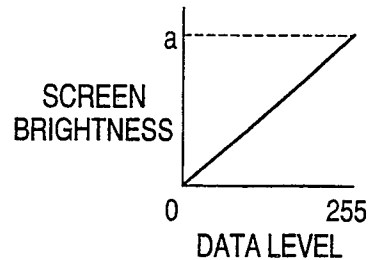


FIG. 4(B-1)

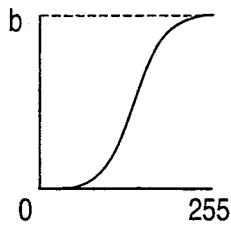


FIG. 4(B-2)

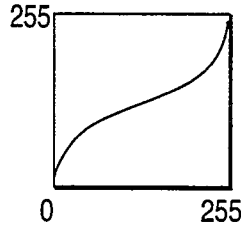


FIG. 4(B-3)

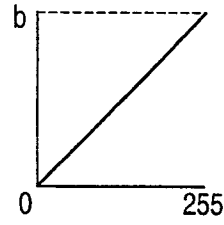


FIG. 4(C-1)

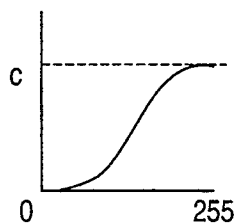


FIG. 4(C-2)

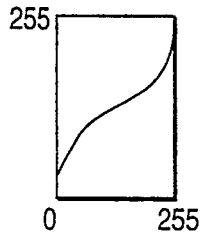
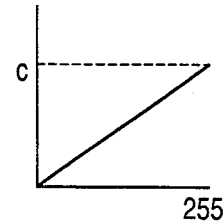


FIG. 4(C-3)



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