

PATENT ABSTRACTS OF JAPAN

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(21)Application number : 02-261258 (71)Applicant : SHARP CORP
(22)Date of filing : 29.09.1990 (72)Inventor : KATO NAOKI

(54) VIDEO DISPLAY DEVICE

(57) Abstract:

PURPOSE: To simplify constitution by using an image memory which has the arrangement equiv. to the two-dimensional picture element arrangement of the display device and can make asynchronous writing and reading out and asynchronously processing a writing processing system and a reading out and display processing system with the image memory as a boundary.

CONSTITUTION: A display section (display device) 104 is the two-dimensional picture element arrangement and the image memory 302 is the memory which has the arrangement equiv. to the arrangement of the display section 104 and can make asynchronous writing and reading out. Input video signals are properly arranged in the two-dimensional arrangement of the image memory 302 by using the horizontal and vertical synchronizing signals extracted from the input video signals and the clocks of at least ≥ 1 kinds of the frequencies phase locked with the horizontal synchronizing signal. Namely, the input video signals are written in such a manner. Further, the two-dimensional arrangement data of the image memory 302 is read out with the vertical synchronizing signal separated from the input video signals by using the clock of certain fixed frequency as a trigger within certain fixed period and are supplied to a display section 104 of the two-dimensional arrangement, by which the images are displayed. The display processing system is immobilized in this way and the constitution is simplified.



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