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(21)Application number : 63-184320 (71)Applicant : MATSUSHITA ELECTRIC IND CO LTD
 (22)Date of filing : 22.07.1988 (72)Inventor : KOJIMA ICHIRO
 MORIMURA ATSUSHI

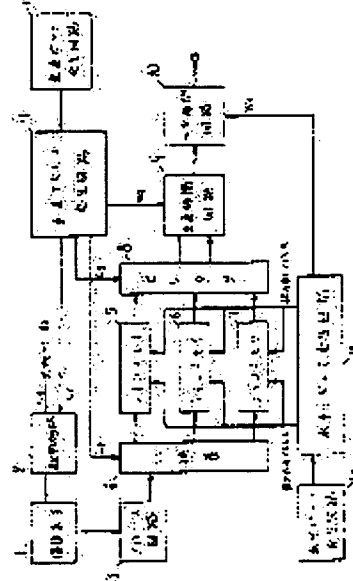
(54) IMAGE PICKUP DEVICE

(57)Abstract:

PURPOSE: To attain magnification processing of a picture with a few memory capacity without using any field memory by controlling the operation or stop of the vertical transfer or vertical scanning of a solid-state image pickup element so as to expand a picture signal in the vertical direction and to apply interpolation to the signal further.

CONSTITUTION: The operation or stop of the vertical transfer or vertical scanning of a solid-state image pickup element 1 is controlled by using a control signal c1 generated by a vertical address generating circuit 11 based on a pitch signal outputted from a vertical pitch generating circuit 12 to expand the picture signal picked up by the solid-state image pickup element 1 in the vertical direction. The signal read from the solid-state image pickup element 1 is written in line memories 5-7 and a weight signal is multiplied to the output of the line memories 5-7 by a vertical interpolation circuit 9 and the resulting signals are summed to apply interpolation. Moreover, the output is led out via a horizontal interpolation circuit 10.

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