[54] **PICTURE IMAGE PRODUCING APPARATUS**

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[57] **ABSTRACT**

A picture image producing apparatus has a control unit for designating picture image calculation, a display unit for displaying a picture image, and a processing unit for storing standard information used in the picture image calculation. The standard information is x-coordinate data and y-coordinate data of the picture image to be displayed. A first calculator computes a first group information of the picture image, in response to vary the x-coordinate data of the standard information. A second calculation computes second group information of the picture image in response to the varying y-coordinate data of the standard information. The picture image information of the first and second group information is transferred to the display unit.

7 Claims, 15 Drawing Figures