ABSTRACT

DRIVE UNIT AND ELECTRONIC EQUIPMENT

There are provided a drive unit which can be adjusted to various mounting forms and which can be reduced in power consumption and scale, and an electronic equipment containing such a drive unit. When a control signal DIR is switched from L-level to H-level, a logical operation circuit comprising a plurality of logic gates changes a READ address A which is in turn outputted toward a display memory. More particularly, an inverted signal of the READ address A is outputted as a READ address B. Thus, an image displayed on a liquid crystal display panel is vertically inverted. The drive unit can be adjusted to various mounting forms for the liquid crystal display device. Where the display memory includes a code data memory and a CG-ROM, first and second logical operation circuits are provided for each of the code data memory and CG-ROM. The output of the CG-ROM is connected to a third logical operation circuit which performs the lateral inversion for each character. The vertical and lateral inversion can also be accomplished by providing a decoder which outputs a latch signal at different timing at each time when the control signal DIR is switched from one level to another.

(Figure 1)