ABSTRACT

Liquid Crystal Display and Electronic Equipment Using the Liquid Crystal Display

A liquid crystal display device comprising a liquid crystal display panel (10) with a given number of scanning and signal electrodes, an X driver (16) which applies on-voltage or off-voltage to the signal electrodes, a Y driver (24) which applies selection or non-selection voltages to the scanning electrodes, a power supply circuit (30) which applies given voltages to X driver (16) and Y driver (24), and a polarity inversion control circuit (32) which inverts the polarity of the on-voltage and the like applied to the liquid crystal display panel (10) from X driver (16) and Y driver (24) as appropriate. The polarity inversion control circuit (32) switches the polarity of the signal and scanning voltages applied to the liquid crystal display panel (10) in response to the pattern of characters and figures displayed on the liquid crystal panel (10) and makes it possible to minimize the charging and discharging of the capacitors formed by the pixels.

Fig.1.

This Sheet Has Been Replaced

