

LIQUID CRYSTAL DISPLAY DEVICE AND METHOD FOR DRIVING AUXILIARY
CAPACITANCE LINES

ABSTRACT

Provided is a liquid crystal display device with reduced power consumption employing a CS drive method.

5 A CS driver (500) consists of a CS shift register (510) and a CS output portion (520). The CS shift register (510) outputs control signals (COUT(1) to COUT(m)) in accordance with a CS clock signal CCK. The CS output portion (520) outputs auxiliary capacitance signals (CSS(1) to CSS(m)) in accordance
10 with the control signals (COUT(1) to COUT(m)), respectively. An idle period (T2) is set following a scanning period (T1). During the idle period (T2), the CS driver (500) is driven in accordance with the CS clock signal (CCK) at an idle-period CS frequency (fcck2). The idle-period CS frequency (fcck2) is
15 lower than a scanning-period CS frequency (fcck1).

FIG. 16

