

ABSTRACT

The present invention relates to a touch-panel-integrated liquid crystal display device (display system) which includes: a liquid crystal display device; and a touch panel input device, provided on a liquid crystal panel of the liquid crystal display device, which has upper and lower electrodes (conductive thin plates) for detecting a position via which information is inputted from the outside. The display system includes: a liquid crystal display device driving section for driving the liquid crystal display device; and a cancel signal generator (signal application section) for applying, to the touch panel input device, a cancel signal whose amplitude and phase are equal with an amplitude and a phase of a driving signal applied from the liquid crystal display device driving section to the liquid crystal panel (221). According to the display system of the present invention, it is possible to reduce occurrence of noise, vibration, and audible noise.

FIG 1