

TOUCH CONTROL PANEL STRUCTURE HAVING A DUMMY PATTERN

ABSTRACT OF THE DISCLOSURE

A touch control panel structure includes a substrate, a plurality of first transparent conductive regions, a plurality of first dummy patterns, an insulating layer, a plurality of second transparent conductive regions, a plurality of second dummy patterns, and an optical coating layer. The first transparent conductive regions and the first dummy patterns are disposed on the substrate and covered by the insulating layer. The second transparent conductive regions and the second dummy patterns are disposed on the insulating layer and covered by the optical coating layer. The first and second transparent conductive regions are respectively arranged in a first and a second direction. The first and second dummy patterns are respectively aligned with the corresponding second and first transparent conductive regions. The color difference is not visually perceptible when light is emitted upward from the bottom of the substrate, thereby improving the display image quality.

Figure 1