

ABSTRACT

LCD DISPLAY, ELECTRONIC DEVICE, LCD DISPLAY MANUFACTURING METHOD

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The present invention relates to an LCD display, an electronic device, and an LCD display manufacturing method. The LCD display includes several transparent material layers and several non-transparent material layers that are disposed in stack mode. There is a local transparent region on the LCD display. No non-transparent material is applied to the several non-transparent material layers in the local transparent region, to form a transparent channel in the local transparent region along a stacking direction. An optical component is completely or partially disposed in the transparent channel of the LCD display. According to embodiments of the present invention, optical components such as a camera, an ambient light sensor, and an optical fingerprint sensor and another component may be disposed under the display by using the local transparent region on the LCD display, thereby greatly increasing a screen-to-body ratio and achieving a full screen effect.

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Fig. 4