Title (en)
TOUCH SCREEN LIQUID CRYSTAL DISPLAY

Title (de)
TOUCHSCREEN-FLÜSSIGKRISTALLANZEIGE

Title (fr)
ÉCRAN D'AFFICHAGE TACTILE À CRISTAUX LIQUIDES

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Abstract (en)
[origin: WO2007146779A2] Disclosed herein are liquid-crystal display (LCD) touch screens that integrate the touch sensing elements with the display circuitry. The integration may take a variety of forms. Touch sensing elements can be completely implemented within the LCD stackup but outside (not between) the color filter plate and the array plate. Alternatively, some touch sensing elements can be between the color filter and array plates with other touch sensing elements not between the plates. In another alternative, all touch sensing elements can be between the color filter and array plates. The latter alternative can include both conventional and in-plane- switching (IPS) LCDs. In some forms, one or more display structures can also have a touch sensing function. Techniques for manufacturing and operating such displays, as well as various devices embodying such displays are also disclosed.

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