

Title (en)  
LIGHT EMITTING DIODE DISPLAY PIXEL

Title (de)  
PIXEL EINER LICHEMITTIERENDEN DIODENANZEIGE

Title (fr)  
PIXEL D'AFFICHAGE A DIODE ELECTROLUMINESCENTE

Publication  
**EP 4315308 A1 20240207 (FR)**

Application  
**EP 22719573 A 20220330**

Priority  
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• EP 2022058460 W 20220330

Abstract (en)  
[origin: WO2022207730A1] The present disclosure relates to a display pixel (12i,j) comprising at least one light-emitting diode (LED), a driver (40) for driving the LED and first, second, third, and fourth conductive pads (36). The driver is powered by a first supply voltage (Vdd) received between the first and second pads. The LED is powered by a first binary signal (Vcci, Veei), received between the third and second pads, and alternating between a second supply voltage (Vcc), strictly higher than the first voltage, and a third voltage, strictly lower than the first voltage. The driver (40) is configured to determine a digital signal (R, G, B) from the values of a second binary signal (Dataj) on the fourth pad, received during each of first pulses of the first binary signal at the third voltage, and to control the LED on the basis of the digital signal.

IPC 8 full level  
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