Title (en)

ELECTROLUMINESCENT DISPLAY DEVICES

Title (de)

ELEKTROLUMINESZENTE ANZEIGEVORRICHTUNG

Title (fr)

DISPOSITIFS D'AFFICHAGE ELECTROLUMINESCENT

Publication

EP 1654720 A1 20060510 (EN)

Application

EP 04744219 A 20040730

Priority

- IB 2004002582 W 20040730
- GB 0318613 A 20030808
- GB 0405804 A 20040316

Abstract (en)

[origin: WO2005015530A1] The pixels of an active matrix display device have a current-driven light emitting display element, a drive transistor for driving a current through the display element, a storage capacitor for storing a pixel drive voltage to be used for addressing the drive transistor, a light-dependent device for detecting the brightness of the display element, and driver circuitry for providing data signals to the pixel external to the pixel array. This provides a pixel with optical feedback to compensate for display element ageing. The driver circuitry has a processing means for processing the feedback brightness signals and derives from them a threshold voltage for the drive transistor of the pixel as well as information relating to the performance of the display element, for ageing compensation.

IPC 1-7

G09G 3/32

IPC 8 full level

G09G 3/32 (2006.01); G09G 3/20 (2006.01)

CPC (source: EP KR)

G09G 3/30 (2013.01 - KR); **G09G 3/32** (2013.01 - KR); **G09G 3/3233** (2013.01 - EP); **G09G 3/3291** (2013.01 - EP); G09G 3/2014 (2013.01 - EP); G09G 3/3208 (2013.01 - EP); G09G 2300/0809 (2013.01 - EP); G09G 2300/0819 (2013.01 - EP); G09G 2300/0852 (2013.01 - EP); G09G 2300/0861 (2013.01 - EP); G09G 2300/088 (2013.01 - EP); G09G 2310/0245 (2013.01 - EP); G09G 2320/0285 (2013.01 - EP); G09G 2320/0295 (2013.01 - EP); G09G 2320/043 (2013.01 - EP); G09G 2320/045 (2013.01 - EP); G09G 2360/148 (2013.01 - EP)

Citation (search report)

See references of WO 2005015530A1

Cited by

US11335708B2; US11876098B2

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