

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
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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

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

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