Title (en)

EMISSIVE DISPLAY DEVICES

Title (de)

EMISSIVE ANZEIGEANORDNUNGEN

Title (fr)

DISPOSITIFS D'AFFICHAGE EMISSIFS

Publication

EP 1938301 A1 20080702 (EN)

Application

EP 06809508 A 20061005

Priority

- IB 2006053643 W 20061005
- EP 05109544 A 20051013
- EP 06809508 A 20061005

Abstract (en)

[origin: WO2007042973A1] An active matrix display device comprises an array of display pixels, each pixel comprising a current-driven light emitting display element, a drive transistor for driving a current through the display element, a switching transistor in series with the drive transistor and an optical feedback arrangement for controlling the gate voltage of the switching transistor, thereby to enable control of the timing of switching off the switching transistor to isolate the display element from the drive transistor in dependence on the light output of the display element. This arrangement uses an optical feedback arrangement for the control of an additional switching transistor instead of controlling the drive transistor. The control of the drive transistor is therefore simplified, and the additional light-dependent control is for the additional switching transistor in series with the drive transistor.

IPC 8 full level

G09G 3/32 (2006.01)

CPC (source: EP KR)

G09G 3/2011 (2013.01 - EP KR); **G09G 3/2014** (2013.01 - EP KR); **G09G 3/2022** (2013.01 - EP KR); **G09G 3/22** (2013.01 - KR); **G09G 3/3233** (2013.01 - EP KR); **H10K 59/12** (2023.02 - KR); G09G 3/22 (2013.01 - EP); G09G 2300/0819 (2013.01 - EP KR); G09G 2300/0852 (2013.01 - EP KR); G09G 2300/0866 (2013.01 - EP KR); G09G 2320/043 (2013.01 - EP KR); G09G 2320/045 (2013.01 - EP); G09G 2330/02 (2013.01 - EP); G09G 2360/148 (2013.01 - EP)

Citation (search report)

See references of WO 2007042973A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2007042973 A1 20070419; CN 101283392 A 20081008; EP 1938301 A1 20080702; JP 2009511978 A 20090319; KR 20080063303 A 20080703

DOCDB simple family (application)

IB 2006053643 W 20061005; CN 200680037787 A 20061005; EP 06809508 A 20061005; JP 2008535150 A 20061005; KR 20087008474 A 20080408