

Title (en)

Active matrix display device and method of driving such a device

Title (de)

Anzeigevorrichtung mit aktiver Matrix und Verfahren zur Steuerung einer solchen Vorrichtung

Title (fr)

Dispositif d'affichage à matrice active et procédé de commande d'un tel dispositif

Publication

EP 1622120 A1 20060201 (FR)

Application

EP 04292622 A 20041104

Priority

FR 0408417 A 20040729

Abstract (en)

The device has an operational amplifier (35) with a non-inverted input connected to an output (42) of a current generator (36) for forming, with a gate of a current modulator (26), a negative feedback loop of the amplifier, when one of light transmitters (22-24) is selected. A reference voltage generator (38) provides reference voltage to an inverted input of the amplifier specific to each column or group of columns of the transmitters. An independent claim is also included for a control method for an active matrix image display device.

IPC 8 full level

G09G 3/32 (2006.01)

CPC (source: EP KR)

G09G 3/20 (2013.01 - KR); **G09G 3/30** (2013.01 - KR); **G09G 3/32** (2013.01 - KR); **G09G 3/3233** (2013.01 - EP); **G09G 3/3283** (2013.01 - EP); **G09G 3/3291** (2013.01 - EP); **H05B 33/12** (2013.01 - KR); **G09G 2300/0842** (2013.01 - EP); **G09G 2320/0233** (2013.01 - EP); **G09G 2320/0285** (2013.01 - EP); **G09G 2320/0295** (2013.01 - EP); **G09G 2320/043** (2013.01 - EP); **G09G 2320/0693** (2013.01 - EP); **G09G 2330/02** (2013.01 - EP)

Citation (search report)

- [A] US 2003107534 A1 20030612 - KOYAMA JUN [JP], et al
- [A] US 6177767 B1 20010123 - ASAI NOBUTOSHI [JP], et al
- [A] US 5886474 A 19990323 - ASAI NOBUTOSHI [JP], et al

Cited by

EP1863001A1; EP1863005A3; US8063854B2

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 1622120 A1 20060201; CN 100476937 C 20090408; CN 101031948 A 20070905; DE 602005024139 D1 20101125; EP 1771838 A1 20070411; EP 1771838 B1 20101013; JP 2008508547 A 20080321; JP 5153331 B2 20130227; KR 101185897 B1 20120925; KR 20070048715 A 20070509; TW 200630945 A 20060901; TW I426489 B 20140211; WO 2006018553 A1 20060223

DOCDB simple family (application)

EP 04292622 A 20041104; CN 200580032878 A 20050729; DE 602005024139 T 20050729; EP 05793298 A 20050729; FR 2005002005 W 20050729; JP 2007523123 A 20050729; KR 20077002858 A 20050729; TW 94125693 A 20050729