

Title (en)

METHODS FOR DRIVING BISTABLE ELECTRO-OPTIC DISPLAYS

Title (de)

VERFAHREN ZUR ANSTEUERUNG BISTABILER ELEKTRO-OPTISCHER ANZEIGEN

Title (fr)

PROCEDES DE COMMANDE D'AFFICHEURS ELECTRO-OPTIQUES BISTABLES

Publication

EP 1614097 A4 20090812 (EN)

Application

EP 04758742 A 20040331

Priority

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- US 48167503 P 20031120
- US 55709404 P 20040326

Abstract (en)

[origin: WO2004090857A1] A gray scale bistable electro-optic display is driven by storing a look-up table containing data representing the impulses necessary for transitions, storing data representing at least an initial state of each pixel of the display, receiving an input signal representing a desired final state of at least one pixel of the display; and generating an output signal representing a pixel voltage to be applied to the pixel. Compensation voltage data representing a compensation voltage is stored for each pixel, the compensation voltage for each pixel being calculated dependent upon at least one impulse previously applied to that pixel, and the pixel voltage is the sum of a drive voltage determined from the initial and final states of the pixel and the look-up table, and a compensation voltage determined from the compensation voltage data for the pixel. Other similar methods for driving such displays are also disclosed.

IPC 8 full level

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Citation (search report)

- [A] US 2002005832 A1 20020117 - KATASE MAKOTO [JP]
- [A] HENZEN A ET AL: "Development of Active Matrix Electronic Ink Displays for Smart Handheld Applications", IDW, AMD2/EP1-3, LONDON UK, 1 January 2002 (2002-01-01), pages 227 - 230, XP007015710
- See references of WO 2004090857A1

Citation (examination)

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