

Title (en)
Driving circuit for display apparatus.

Title (de)
Steuerungsverfahren für Anzeigevorrichtung.

Title (fr)
Circuit de commande pour dispositif d'affichage.

Publication
EP 0624862 A2 19941117 (EN)

Application
EP 94303106 A 19940428

Priority
JP 11346593 A 19930514

Abstract (en)
A driving circuit of the invention is used for driving a display apparatus which includes pixels and data lines for applying voltages to the pixels and which displays an image with multiple gray scales in accordance with video data consisting of a plurality of bits. The driving circuit includes: an oscillating voltage specifying section for specifying one of a plurality of oscillating signals having respective duty ratios which are different from each other in accordance with video data consisting of bits selected from the plurality of bits, and for outputting the specified oscillating signal T and an oscillating signal T which is obtained by inverting the specified oscillating signal T; a gray-scale voltage specifying section for producing gray-scale voltage specifying signals which specify a first gray-scale voltage and a second gray-scale voltage among a plurality of gray-scale voltages supplied from a gray-scale voltage supply section, in accordance with video data consisting of bits other than the selected bits of the plurality of bits; and an output section for outputting the first gray-scale voltage and the second gray-scale voltage specified by the gray-scale voltage specifying signals to the data lines, in accordance with the oscillating signal T and the oscillating signal T.

IPC 1-7
G09G 3/36

IPC 8 full level
G09G 3/36 (2006.01); **G09G 3/20** (2006.01)

CPC (source: EP)
G09G 3/3688 (2013.01); **G09G 3/2011** (2013.01); **G09G 3/2014** (2013.01); **G09G 3/2018** (2013.01); **G09G 2310/027** (2013.01)

Cited by
US6067064A; US5673061A; US5923312A; EP0655726A1

Designated contracting state (EPC)
DE FR GB NL

DOCDB simple family (publication)
EP 0624862 A2 19941117; **EP 0624862 A3 19950517**; **EP 0624862 B1 19990616**; CN 1065059 C 20010425; CN 1099177 A 19950222; DE 69419070 D1 19990722; DE 69419070 T2 19991118; KR 0127102 B1 19971229

DOCDB simple family (application)
EP 94303106 A 19940428; CN 94105695 A 19940512; DE 69419070 T 19940428; KR 19940009866 A 19940503