

Title (en)  
Driving circuit for display apparatus

Title (de)  
Steuerungsverfahren für Anzeigevorrichtung

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

Publication  
**EP 0624862 B1 19990616 (EN)**

Application  
**EP 94303106 A 19940428**

Priority  
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Abstract (en)  
[origin: EP0624862A2] 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.

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