

Title (en)

DISPLAY DEVICE HAVING A PLURALITY OF PIXELS AND METHOD FOR DISPLAYING IMAGES

Title (de)

ANZEIGEVORRICHTUNG MIT EINER VIELZAHL VON BILDPUNKTEN UND VERFAHREN ZUM ANZEIGEN VON BILDERN

Title (fr)

DISPOSITIF D'AFFICHAGE AYANT UNE PLURALITE DE PIXELS ET PROCEDE D'AFFICHAGE D'IMAGES

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Application

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Abstract (en)

[origin: WO2007068594A1] The invention relates to a display device (1) having a plurality of pixels (13) and comprising an image signal generating device (2) which is used to generate colour and luminosity values for a plurality of pixels (13), a light modulation device (3) which is coupled to an image signal generating device (2) in order to modulate the plurality of pixels (13) based on colour and luminosity values, and an illumination device (4) for back-lighting the light modulation device (3). The invention is characterised in that the illumination device (4) comprises a control device (11) for controlling a plurality of light sources (12) and the control device (11) is coupled to the image signal generating device (2) or the light modulation device (3), such that the control device (11) can control, according to the luminosity values, a predetermined group of light sources (12) for back-lighting a partial area of the light modulation device (3) for enhancing the contrast. The invention also relates to a method for displaying images on a display device (1) having a plurality of pixels (13).

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