

Title (en)

Method and device for correction of matrix display pixel non-uniformities

Title (de)

Verfahren und Vorrichtung zur Korrektur von Ungleichmässigkeiten von Pixeln einer Matrixanzeige

Title (fr)

Procédé de commande et dispositif de correction des non-uniformités des pixels d'un dispositif d'affichage à matrice

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Application

EP 02447233 A 20021129

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Abstract (en)

The present invention relates to a system and method for correction of the non-uniformity of pixel light-output behaviour present in matrix addressed electronic display devices. <??>The present invention provides a method for correction of nonuniformities of display elements (pixels or sub-pixels) in a matrix display, the display being driveable between a maximum and a minimum brightness. The method comprises: storing characterisation data characterising the light-output response, i.e. luminance and/or colour response, of individual display elements of the matrix display, the characterisation data representing light-outputs of an individual display element as a function of its drive signals, and the characterisation data being classified into a pre-set number of categories, the pre-set number being less than the number of display elements in the display and greater than one, the characterisation data of at least two display elements being assigned to one of the categories, and the light-outputs/drive signals relationships represented by at least two characterisation data in two different categories crossing over within the maximum and minimum brightness of the display. The method furthermore comprises pre-correcting, in accordance with the characterisation data in the relevant categories, drive signals of individual display elements so as to obtain a pre-determined spatial light-output of display elements, to thereby display an image. <IMAGE>

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IPC 8 full level

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CPC (source: EP)

G09G 3/20 (2013.01); **G09G 3/3611** (2013.01); **G09G 2320/0233** (2013.01); **G09G 2320/0285** (2013.01)

Citation (search report)

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Citation (examination)

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