

Title (en)

Method and device for encoding luminance values into subfield code words in a display device

Title (de)

Verfahren und Vorrichtung zur Kodierung von Luminanzwerten in Teilfeldkodewörter bei einer Anzeigevorrichtung

Title (fr)

Procédé et dispositif pour coder des valeurs de luminance dans des mots codés de sous-trames dans un dispositif d'affichage

Publication

EP 1768088 A3 20090513 (EN)

Application

EP 06120447 A 20060911

Priority

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- EP 06120447 A 20060911

Abstract (en)

[origin: EP1768088A2] The invention relates to a method and a device for encoding the luminance value of a pixel of a picture into a subfield code word in a display device. It can be applied to every display device using a PWM (Pulse Width Modulation) technology and subfields for displaying video picture. It can be used to compensate for any luminance problem that can be estimated. The general idea of the recursive coding is to encode one sub-field after the other in order to be able to compensate for problems occurring on one sub-field with the other sub-fields. More particularly, the bits of a subfield code word are computed recursively one after the other such that the defects (e.g. line load and/or linearity) in the light emission or luminance generated by a bit of the subfield code word can be compensated by the following bits of the subfield code word.

IPC 8 full level

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Citation (search report)

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