

Title (en)

Method and device for coding video levels in a plasma display panel

Title (de)

Verfahren und Vorrichtung zur Kodierung von Videostufen in einem Plasma-Bildschirm

Title (fr)

Procédé et appareil pour le codage des niveau de gris pour un écran à plasma

Publication

EP 1860634 A1 20071128 (EN)

Application

EP 06290828 A 20060522

Priority

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Abstract (en)

The invention relates to a method and a device for coding video levels of pixels of a colour component of a picture to be displayed on a display device into code words. The invention is more particularly applicable to Plasma Display Panels (PDP) to improve the picture quality (grayscale enhancement, dynamic false contour reduction). The main idea of the invention is to automatically change the floor and ceiling levels used classically for dithering each pixel value depending on the neighboring pixels of the same color component. The size of the window determining the neighboring pixels is dependent on the definition of the wanted flat field size.

IPC 8 full level

G09G 3/28 (2006.01)

CPC (source: EP)

G09G 3/2048 (2013.01); **G09G 3/2055** (2013.01); **G09G 3/2803** (2013.01); **G09G 2320/0266** (2013.01)

Citation (search report)

- [DXY] EP 1522964 A1 20050413 - THOMSON LICENSING SA [FR]
- [Y] ULICHNEY R A: "DITHERING WITH BLUE NOISE", PROCEEDINGS OF THE IEEE, IEEE. NEW YORK, US, vol. 76, no. 1, January 1988 (1988-01-01), pages 56 - 79, XP002034911, ISSN: 0018-9219

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