

Title (en)

Apparatus for driving a plasma display panel with APL pre-measurement and corresponding method

Title (de)

Vorrichtung zur Ansteuerung einer Plasmaanzeigetafel mit APL-Vormessung und entsprechendes Verfahren

Title (fr)

Appareil de commande d'un panneau d'affichage à plasma au moyen d'une pré-mesure APL, et procédé correspondant

Publication

EP 1796065 B1 20110928 (EN)

Application

EP 06125606 A 20061207

Priority

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- EP 06125606 A 20061207

Abstract (en)

[origin: EP1796065A1] A picture quality when reducing the brightness or the contrast of the picture on a plasma panel (1) shall be improved. For this purpose there is provided a driving apparatus including brightness/contrast control means (5) for receiving video input data for modifying the video levels of the video input data in accordance with external adjustment data and for outputting modified video data. First power measurement means (10) measure a power level of the modified video data and supply a first power level. Second power measurement means (11) measure a power level of the video input data and supply a second power level. Generator means (12) generate a third power level comprised between the first power level and the second power level or equal to the larger one to data processing means (6, 7, 8, 9). The data processing means (6, 7, 8, 9) calculate the maximum number of sustain pulses per frame applicable to the modified video data on the basis of the third power level and control the display of the modified video data on the plasma display panel (1). Thus, the number of gray levels can be increased and the picture quality improves significantly.

IPC 8 full level

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CPC (source: EP)

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