

Title (en)

Compensation method for improving color purity and color temperature of a plasma display panel

Title (de)

Verfahren zur Verbesserung der Farbeneinheit und Farbtemperatur einer Plasmaanzeigetafel

Title (fr)

Procédé de compensation pour améliorer la pureté de couleur et la température de couleur d'un panneau d'affichage à plasma

Publication

**EP 1255238 A1 20021106 (EN)**

Application

**EP 01110881 A 20010504**

Priority

EP 01110881 A 20010504

Abstract (en)

A compensation process for improving color saturation and image quality of a plasma display panel (PDP) is provided, wherein a brightness of light generated from each of red, green, and blue discharge cells of each pixel on said PDP is calculated through a numeric operation according to laws of color matching. The process comprises the step of increasing or decreasing the strength of input image signals of each of the red, green, and blue discharge cells in accordance with the calculation result for adjusting brightness of the generated red, green, and blue lights so as to subtract a visible light generated by gas in each of the red, green, and blue discharge cells during gas discharging, thereby eliminating an adverse effect of the visible light on color purity and color temperature of the PDP during gas discharging. This can obtain an image on PDP having an optimum color purity and color temperature and reduce the manufacturing cost. <IMAGE>

IPC 1-7

**G09G 3/28**

IPC 8 full level

**G09G 3/28** (2006.01)

CPC (source: EP)

**G09G 3/2003** (2013.01); **G09G 3/288** (2013.01); **G09G 2320/0242** (2013.01); **G09G 2320/0626** (2013.01); **G09G 2320/0666** (2013.01)

Citation (search report)

- [A] EP 0813220 A1 19971217 - FUJITSU LTD [JP]
- [A] EP 0764966 A2 19970326 - HITACHI LTD [JP]

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