

Title (en)

Compensation method for improving the image quality of a plasma display panel

Title (de)

Ausgleichsverfahren zur Verbesserung der Bildqualität einer Plasmaanzeigetafel

Title (fr)

Procédé de compensation pour améliorer la qualité d'image d'un panneau d'affichage à plasma

Publication

EP 1255239 A1 20021106 (EN)

Application

EP 01110882 A 20010504

Priority

EP 01110882 A 20010504

Abstract (en)

A compensation process for improving color saturation and image quality of a plasma display panel (PDP) comprises the steps of a) calculating the brightness of a visible light generated by environment light on PDP through performing a numeric operation according to a color mixing theory, and the corresponding light ought to be generated by each of red, green, and blue discharge cells of each of a plurality of pixels on the PDP sufficient to exclude the visible light generated by environment light on PDP; b) increasing or decreasing strength of input image signals of each of said red, green, and blue discharge cells in accordance with the result of calculation; and c) generating light from each of said red, green, and blue discharge cells to eliminate said visible light from causing an adverse effect on said PDP. This can reduce manufacturing cost without modifying the construction of PDP or performing an additional processing thereon. <IMAGE>

IPC 1-7

G09G 3/28

IPC 8 full level

G09G 3/28 (2006.01); **G09G 3/08** (2006.01)

CPC (source: EP)

G09G 3/2003 (2013.01); **G09G 3/08** (2013.01); **G09G 3/288** (2013.01); **G09G 2320/0242** (2013.01); **G09G 2320/0271** (2013.01); **G09G 2320/0666** (2013.01)

Citation (search report)

- [X] US 6094185 A 20000725 - SHIRRIFF KENNETH W [US]
- [A] WO 9930308 A1 19990617 - MATSUSHITA ELECTRIC IND CO LTD [JP], et al

Cited by

CN108230408A; CN112885310A

Designated contracting state (EPC)

DE FR GB IT NL

DOCDB simple family (publication)

EP 1255239 A1 20021106

DOCDB simple family (application)

EP 01110882 A 20010504