

Title (en)

Method for a segmented inverse gamma correction for a plasma display panel

Title (de)

Verfahren zur segmentierten invertierten Gammakorrektur für eine Plasmaanzeigetafel

Title (fr)

Procédé segmenté pour correction inverse de gamma pour un panneau d'affichage à plasma

Publication

EP 1258859 A1 20021120 (EN)

Application

EP 01112260 A 20010518

Priority

EP 01112260 A 20010518

Abstract (en)

A process of effecting various anti compensation processes on input image on a plasma display panel comprises the steps of a) performing a gamma (i.e., gamma equal to 0.45) compensation process on a video signal received by the PDP with respect to a gamma ; b) dividing the video signal into at least two segments based on a gray level thereof; and c) performing a variety of anti compensation processes on the video signal in respective segment. A smaller gamma is used in the anti compensation process with respect to the video signal in a range of low gray level for increasing the gray level in the range of low gray level. Similarly, a larger gamma is used in the anti compensation process with respect to the video signal in a range of high gray level for increasing a gradient in the range of high gray level, thereby obtaining a sharp image contrast, improving image quality, and rendering an enhanced image brightness. <IMAGE>

IPC 1-7

G09G 3/28

IPC 8 full level

G09G 3/20 (2006.01); **G09G 3/28** (2013.01)

CPC (source: EP)

G09G 3/2007 (2013.01); **G09G 3/28** (2013.01); **G09G 2320/0271** (2013.01); **G09G 2320/0276** (2013.01)

Citation (applicant)

- JP H06311394 A 19941104 - FUJITSU GENERAL LTD
- JP H08317250 A 19961129 - FUJITSU GENERAL LTD

Citation (search report)

- [X] EP 0947975 A1 19991006 - HITACHI LTD [JP], et al
- [A] EP 0831643 A2 19980325 - MATSUSHITA ELECTRIC IND CO LTD [JP], et al

Cited by

CN114639346A; CN110890058A; WO2005014296A1

Designated contracting state (EPC)

DE FR GB IT NL

DOCDB simple family (publication)

EP 1258859 A1 20021120; EP 1258859 B1 20150708

DOCDB simple family (application)

EP 01112260 A 20010518