

Title (en)

Method and apparatus for processing video pictures, in particular for large area flicker effect reduction

Title (de)

Verfahren und Vorrichtung zur Verarbeitung von Videobildern, insbesondere zur Reduzierung von grossflächigem Flimmereffekt

Title (fr)

Méthode et appareil de traitement d'images vidéo, en particulier pour la réduction du scintillement de grande surface

Publication

EP 0982708 B1 20110511 (EN)

Application

EP 99115651 A 19990807

Priority

- EP 99115651 A 19990807
- EP 98115607 A 19980819

Abstract (en)

[origin: EP0982708A1] Plasma Display Panels (PDP) are becoming more and more interesting for TV technology. Due to the larger size of PDPs, with larger viewing angle the large area flicker effect will become more serious in the future, in particular when handling 50Hz video standards. This invention proposes a different sub-field organisation, with different coding, which reduces large area flicker artefact, and which is characterised by: 1. Grouping of sub-fields (SF) in 2 sub-field groups (G1, G2), of similar structure. 2. The 2 sub-field groups (G1, G2) are identical in terms of the most significant sub-fields (SF) and different in terms of the least significant sub-fields (SF). 3. A sub-field coding process that distributes luminance weight symmetrically over the 2 sub-field groups (G1, G2) so as to minimise the 50Hz large area flicker luminance component. <IMAGE>

IPC 8 full level

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

CPC (source: EP)

G09G 3/2029 (2013.01); **G09G 3/2033** (2013.01); **G09G 3/204** (2013.01); **G09G 3/28** (2013.01); **G09G 2320/0247** (2013.01); **G09G 2320/0266** (2013.01)

Citation (examination)

- JP H05127612 A 19930525 - JAPAN BROADCASTING CORP, et al
- EP 0840274 A1 19980506 - FUJITSU LTD [JP], et al

Cited by

US7598970B2; KR100445029B1; CN102074185A; EP1679679A1; EP1267321A3; CN101951490A; KR20040006576A; EP1359564A3; CN100394467C; US7773161B2; EP1801769A1; EP1544836A1; KR101023670B1; KR20070087703A; KR100667539B1; EP1359749A1; EP1679680A1; FR2830362A1; US7965260B2; EP1758072A3; US7911545B2; US7928929B2; US7609235B2; WO2005059878A3; WO0209777A3; US7187392B2; US7982754B2; US9449543B2; EP1918902A1; KR100667540B1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0982708 A1 20000301; EP 0982708 B1 20110511

DOCDB simple family (application)

EP 99115651 A 19990807