

Title (en)

Video displaying apparatus with dynamic brightness control of the backlight

Title (de)

Videoanzeigegerät mit dynamischer Helligkeitssteuerung des Backlights

Title (fr)

Appareil d'affichage vidéo avec contrôle dynamique du rétroéclairage

Publication

EP 2043079 A3 20100317 (EN)

Application

EP 08015642 A 20080904

Priority

JP 2007253684 A 20070928

Abstract (en)

[origin: EP2043079A2] A video displaying apparatus is provided that can change light-modulation rate of a backlight source in accordance with changes in a feature quantity of an input video signal based on a difference between times required for the light adaptation and the dark adaptation. A video displaying apparatus includes a liquid crystal panel (3) that displays an input video signal, a backlight source (9) that applies light to the liquid crystal panel (3), an APL detecting part (6) that detects APL of the input video signal, and a control microcomputer (8) that variably controls a change amount of emission luminance of the backlight source (9) for each predetermined time based on the detected APL. The control microcomputer (8) performs control such that the change amount for the APL of the input video signal changing to a higher quantity becomes greater than the change amount for the APL of the input video signal changing to a lower quantity.

IPC 8 full level

G09G 3/34 (2006.01)

CPC (source: EP)

G09G 3/3406 (2013.01); **G09G 2320/0626** (2013.01); **G09G 2320/0653** (2013.01); **G09G 2360/16** (2013.01)

Citation (search report)

- [X] US 2003201968 A1 20031030 - ITOH MOTOMITSU [JP], et al
- [X] WO 2005022925 A1 20050310 - KONINKL PHILIPS ELECTRONICS NV [NL], et al
- [X] US 2002021292 A1 20020221 - SAKASHITA YUKIHIKO [JP]

Cited by

RU2642811C2; US10162185B2; US8588576B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

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EP 08015642 A 20080904; BR PI0803562 A 20080926; CN 200810166120 A 20080925; JP 2007253684 A 20070928