

Title (en)

DISPLAY DEVICE WITH IMPROVED REPRESENTATION OF THE SHADES OF GREY

Title (de)

ANZEIGEVORRICHTUNG MIT VERBESSERTER GRAUSTUFENDARSTELLUNG

Title (fr)

DISPOSITIF D'AFFICHAGE A REPRESENTATION AMELIOREE DES NIVEAUX DE GRIS

Publication

**EP 1055322 A1 20001129 (DE)**

Application

**EP 99962179 A 19991129**

Priority

- DE 19857761 A 19981215
- EP 9909265 W 19991129

Abstract (en)

[origin: DE19857761A1] The invention relates to a display device for the improved representation of shade of grey images. Said device comprises a monitor (31) which is controlled by s electrode beams. A correcting unit (33) is provided in order to produce s output image signals AS from an image signal (34); said output image signals AS containing shade of grey values from an amount K of correction grey scale and said image signal (34) containing shade of grey values from an amount M of original shade of grey (23). The s output image signals AS are fed to an electrode beam respectively and represent a brightness-controlled shade of grey on a point of the monitor (31) after D/A conversion in order to adapt the brightness distribution of the monitor to the optimum perceptual brightness distribution.

IPC 1-7

**H04N 5/20**

IPC 8 full level

**H04N 5/66** (2006.01); **G06T 5/40** (2006.01); **G09G 1/00** (2006.01); **G09G 1/20** (2006.01)

CPC (source: EP US)

**G06T 5/92** (2024.01 - EP US); **G06T 2207/10116** (2013.01 - EP US)

Designated contracting state (EPC)

DE FR GB NL

DOCDB simple family (publication)

**DE 19857761 A1 20000621**; EP 1055322 A1 20001129; JP 2002532767 A 20021002; US 6618056 B1 20030909; WO 0036825 A1 20000622

DOCDB simple family (application)

**DE 19857761 A 19981215**; EP 9909265 W 19991129; EP 99962179 A 19991129; JP 2000588960 A 19991129; US 62229700 A 20000815