

Title (en)

Control procedure for a matrix display screen

Title (de)

Verfahren zur Steuerung einer Matrix-Anzeige

Title (fr)

Procédé de commande d'un écran de visualisation matriciel

Publication

**EP 1677277 B1 20100602 (FR)**

Application

**EP 05113010 A 20051227**

Priority

FR 0413978 A 20041228

Abstract (en)

[origin: EP1677277A2] The method involves applying a line selection voltage (VLS) to a line and a voltage to a column related to a grey level, during a line selection time (TL) that is subdivided into groups according to a non-linear law with a transfer function close to the inverse of a gamma correction transfer function. The column voltage takes a value of one of two voltages throughout one group or switches from one voltage to the other during the group. The grey level is numerically coded according to the gamma transfer function based on the perception of the eye. The column voltage is selected among voltages (Vc0-Vc4) that are distributed in pairs. An independent claim is also included for a device for controlling a matrix display screen.

IPC 8 full level

**G09G 3/22** (2006.01)

CPC (source: EP US)

**G09G 3/22** (2013.01 - EP US); **G09G 3/2081** (2013.01 - EP US); **G09G 2320/0276** (2013.01 - EP US)

Cited by

FR2907959A1; US8477156B2; WO2008052945A1

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