

Title (en)

Passive matrix display with means for compensating resistive losses

Title (de)

Passiv-Matrix-Anzeige mit einer Einrichtung zur Kompensation der Widerstandsverluste

Title (fr)

Dispositif d'affichage ou d'éclairage à matrice passive, doté de moyens de compensation des résistances de connexion

Publication

EP 1739649 A1 20070103 (FR)

Application

EP 05300526 A 20050628

Priority

EP 05300526 A 20050628

Abstract (en)

The electroluminescent display device has a lightning or displaying panel having a network of light transmitters disposed in rows and columns, and a network of column electrodes. A voltage generating unit (2) delivers a supply voltage between two output terminals. The resistance of the column transmitter is defined as the resistance of the column electrode to which the transmitter is connected, where the resistance is taken between a supplying point of the electrode and connection point of the transmitter. A compensating unit (3) compensates the differences between the resistances of each column transmitter. An independent claim is also included for a method for controlling image lightning or displaying device.

IPC 8 full level

G09G 3/32 (2006.01)

CPC (source: EP)

G09G 3/3216 (2013.01); **G09G 3/3275** (2013.01); **G09G 2320/0223** (2013.01); **G09G 2320/0233** (2013.01)

Citation (search report)

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- [XY] US 2002149547 A1 20021017 - ROBERTSON JOHN A [US]
- [Y] US 6400348 B1 20020604 - YOUNG NIGEL D [GB]

Citation (examination)

- JUAN C-J ET AL: "A VOLTAGE-COMPENSATED DRIVER FOR LIGHTING PMOLEDs PANELS", IEEE TRANSACTIONS ON CONSUMER ELECTRONICS, IEEE SERVICE CENTER, NEW YORK, NY, US, vol. 49, no. 2, 1 May 2003 (2003-05-01), pages 263 - 268, XP001171285, ISSN: 0098-3063, DOI: 10.1109/TCE.2003.1209512
- JUAN C-J ET AL: "A VOLTAGE COMPENSATION CONTROLLER FOR LIGHTING PASSIVE MATRIX ORGANIC LIGHT EMITTING DIODES PANELS", 2003 SID INTERNATIONAL SYMPOSIUM DIGEST OF TECHNICAL PAPERS. BALTIMORE, MD, MAY 20 - 22, 2003; [SID INTERNATIONAL SYMPOSIUM DIGEST OF TECHNICAL PAPERS], SAN JOSE, CA : SID, US, 20 May 2003 (2003-05-20), pages 1134 - 1137, XP001174237

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CN111034359A

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

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DOCDB simple family (application)

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