

Title (en)

Method and circuit for compensation of aging effects in an organic light-emitting diode

Title (de)

Verfahren und Schaltungsanordnung zur Alterungskompensation einer organischen Leuchtdiode

Title (fr)

Méthode et circuit pour la compensation d'effets de vieillissement dans une diode électroluminescente organique

Publication

**EP 1638070 B1 20080820 (DE)**

Application

**EP 05020442 A 20050920**

Priority

DE 102004045871 A 20040920

Abstract (en)

[origin: EP1638070A2] The method involves storing the desired current/voltage value pairs for the desired characteristic curve for the OLED. A driver transistor is brought from saturation to linear operation during a measuring cycle, and the current through the diode is measured. Drive parameters are generated for driving the diode based on a comparison of the actual with the desired values for the current/voltage pairs. An independent claim is included for circuit for carrying out the method.

IPC 8 full level

**G09G 3/32** (2006.01)

CPC (source: EP US)

**G09G 3/3233** (2013.01 - EP US); **G09G 2300/0842** (2013.01 - EP US); **G09G 2320/029** (2013.01 - EP US); **G09G 2320/043** (2013.01 - EP US)

Designated contracting state (EPC)

FR GB

DOCDB simple family (publication)

**EP 1638070 A2 20060322**; **EP 1638070 A3 20061018**; **EP 1638070 B1 20080820**; DE 102004045871 A1 20060406;  
DE 102004045871 B4 20061123; US 2006214888 A1 20060928; US 7656370 B2 20100202

DOCDB simple family (application)

**EP 05020442 A 20050920**; DE 102004045871 A 20040920; US 23132905 A 20050920