

Title (en)

Circuit for controlling the light intensity of current controlled LEDS for display illumination

Title (de)

Schaltungsanordnung zur Einstellung der Helligkeit stromgesteuerter Leuchtdioden zur Beleuchtung einer Anzeige

Title (fr)

Circuit de commande de l'intensité lumineuse de diodes électroluminescentes contrôlées en courant pour l'éclairage d'afficheurs

Publication

EP 0952757 B1 20040804 (DE)

Application

EP 99107236 A 19990414

Priority

DE 19818621 A 19980425

Abstract (en)

[origin: EP0952757A2] The circuit has a control unit (2) that receives (6) a signal corresponding to the desired intensity and sets the LED (1) control current taking into account a degradation value. The control unit determines the degradation value by recording the operating duration of the diode and places a corresponding value in a memory (7) containing degradation information. The control unit determines the degradation value from the stored information and the measured operating duration and updates it at appropriate time intervals.

IPC 1-7

H05B 33/08; **H05B 37/03**

IPC 8 full level

H05B 33/08 (2006.01); **H05B 37/03** (2006.01); **H05B 44/00** (2022.01)

CPC (source: EP US)

H05B 45/10 (2020.01 - EP US); **H05B 45/58** (2020.01 - EP US); **H05B 47/20** (2020.01 - EP US); **H05B 47/28** (2020.01 - EP US)

Cited by

DE102011016360B4; FR2900304A1; CN103443836A; US11497098B2; EP2315498A1; EP3453232A4; DE102011016360A1; CN1319417C; AT504583B1; DE102006054512B4; SG92752A1; AU779265B2; EP1881743A3; EP1098550A3; EP1776847A4; EP2482616A3; EP3217766A1; US8946999B2; WO0235894A1; WO2019138029A1; WO2011061035A1; WO0145471A1; WO2012129144A1; US7871187B2; US8419243B2; WO2006022867A2; US10794486B2; US10863598B2; US11592168B2; US9524641B2; WO2006111133A1; WO2018197204A1; WO0247438A3; WO2009037720A1; EP2412206B1

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