

Title (en)

LED-circuit having series-connected groups of parallel-connected LED-strings.

Title (de)

Leuchtdioden-Schaltung mit in Reihe geschaltete Gruppen von parallelen LED-Zweigen.

Title (fr)

Circuit avec groupes de branches de diodes électroluminescentes en parallèle, en série.

Publication

EP 1945006 B1 20150225 (DE)

Application

EP 08100163 A 20080107

Priority

DE 102007001716 A 20070111

Abstract (en)

[origin: EP1945006A2] The light emitting diode switching device has groups of parallel branches (1 to 6), which are arranged in series. The group has a branch (1) with a light emitting diode (D1) and another branch (2) without light emitting diode. The branches (3 to 6) in the further groups have a light emitting diode (D3 to D6). A controlled power source (Iq1) is arranged in series to the light emitting diode (D1) in the branch (1) of the former group. An independent claim is also included for the method for operating a light emitting diode switching device.

IPC 8 full level

H05B 44/00 (2022.01)

CPC (source: EP)

H05B 45/44 (2020.01)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1945006 A2 20080716; EP 1945006 A3 20131204; EP 1945006 B1 20150225; DE 102007001716 A1 20080717;
DE 102007001716 B4 20151105

DOCDB simple family (application)

EP 08100163 A 20080107; DE 102007001716 A 20070111