

Title (en)
Method for operating an LED assembly

Title (de)
Verfahren zum Betrieb einer LED-Anordnung

Title (fr)
Procédé de fonctionnement d'un agencement de DEL

Publication
EP 2365734 A3 20120627 (DE)

Application
EP 11157797 A 20110311

Priority
DE 102010011057 A 20100311

Abstract (en)
[origin: EP2365734A2] The method involves supplying LEDs (I) with constant and pre-determined power via a power source (D). The LEDs are connected with the power source via switching elements (E) e.g. MOSFETs, in a switching condition. The LEDs are separated from the power source during a switch-off condition. The switching elements are switched on and off by a control circuit (F), which is operated with clock frequency larger than 100 Hertz such that only a portion of the LEDs is already switched-on and the other LEDs are switched on in two switching conditions successive to each other.

IPC 8 full level
H05B 33/08 (2006.01); **H05B 44/00** (2022.01)

CPC (source: EP US)
H05B 45/46 (2020.01 - EP US); **G09G 2360/144** (2013.01 - EP)

Citation (search report)

- [XY] WO 2007035883 A2 20070329 - MICRO DEVICES CORP CALIFORNIA [US], et al
- [X] DE 102009002072 A1 20091008 - INFINEON TECHNOLOGIES AUSTRIA [AT]
- [XY] US 2008037262 A1 20080214 - WESSON BRUCE [US]
- [IY] WO 2005107328 A2 20051110 - LIGHTING SCIENCE GROUP CORP [US], et al
- [I] US 2009015170 A1 20090115 - SHEN YU-NUNG [TW]
- [X] US 2009079363 A1 20090326 - GHOMAN RANAJIT [US], et al

Cited by
FR3020122A1; EP4243008A3; IT202000023632A1; US11798922B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2365734 A2 20110914; EP 2365734 A3 20120627

DOCDB simple family (application)
EP 11157797 A 20110311