

Title (en)
CIRCUIT FOR AN LED ARRAY

Title (de)
SCHALTUNGSANORDNUNG FÜR EIN LED-ARRAY

Title (fr)
CIRCUIT POUR MATRICE DE DEL

Publication
EP 1449408 A1 20040825 (DE)

Application
EP 02803750 A 20021126

Priority
• DE 0204329 W 20021126
• DE 10157645 A 20011126
• DE 10242365 A 20020912

Abstract (en)
[origin: WO03047314A1] The invention relates to a circuit for an LED array, comprising at least two parallel LED chains (LK1, LK2, LK3), in which at least one LED (2) is respectively arranged, at least two LEDs (2) being mounted in series. The anode side of the LED chains (LK1, LK2, LK3) can be respectively coupled to the plus pole of a supply voltage (UV) and the cathode side can be respectively coupled to the minus pole of the supply voltage (UV). A regulating device (RA1, RA2, RA3), used to regulate a provided current distribution between the individual LED chains, is respectively mounted in series with each LED chain (LK1, LK2, LK3).

IPC 1-7
H05B 33/08

IPC 8 full level
H01L 33/00 (2006.01); **H05B 33/08** (2006.01); **H05B 44/00** (2022.01)

CPC (source: EP US)
H05B 45/46 (2020.01 - EP US); **H05B 45/50** (2020.01 - EP US); **H05B 45/52** (2020.01 - EP US); **H05B 45/54** (2020.01 - EP US); **Y10S 362/80** (2013.01 - EP US)

Citation (search report)
See references of WO 03047314A1

Cited by
DE102008039526A1; DE102008039526B4; WO2011107138A1; DE102012000605A1; US8907569B2; US10440786B1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)
WO 03047314 A1 20030605; CN 1596560 A 20050316; CN 1596560 B 20110406; DE 50210722 D1 20070927; EP 1449408 A1 20040825; EP 1449408 B1 20070815; EP 1449408 B2 20110831; JP 2005510891 A 20050421; JP 4488489 B2 20100623; TW 200300545 A 20030601; TW I235349 B 20050701; US 2005077838 A1 20050414; US 7317287 B2 20080108

DOCDB simple family (application)
DE 0204329 W 20021126; CN 02823523 A 20021126; DE 50210722 T 20021126; EP 02803750 A 20021126; JP 2003548591 A 20021126; TW 91134174 A 20021125; US 49693904 A 20041129