

Title (en)  
Circuit containing light emitting diodes

Title (de)  
Lumineszenzdiодenvorrichtung

Title (fr)  
Circuit de montage de diodes électroluminescentes

Publication  
**EP 0695112 B1 19991013 (FR)**

Application  
**EP 95401760 A 19950725**

Priority  
FR 9409429 A 19940729

Abstract (en)  
[origin: EP0695112A1] The circuit includes two groups (1,2) of LEDs (3). The group (1) has the LEDs preceding a series resistor (R2) and group (2) is preceded by a series resistor (R3). The two groups of LEDs are bridged together at points (5,6) by a forward biased diode (4). The voltage supply is typically 0-28 V. At low supply voltages, the leds operate in parallel. When the potential difference across the diode (4) passes the bias threshold, all the leds are placed in series. The change in intensity with voltage enables the array to follow the graph for a filament lamp by suitable choice of resistance (R1, R2, R3). <IMAGE>

IPC 1-7  
**H05B 33/08**

IPC 8 full level  
**H05B 44/00** (2022.01)

CPC (source: EP US)  
**H05B 45/10** (2020.01 - EP US); **H05B 45/44** (2020.01 - EP US)

Cited by  
FR2821520A1; FR2814906A1; CN102172102A; AU2001286138B2; CN102113411A; EP0793403A1; FR2745458A1; US7906915B2; US6653798B2; US6489728B2; CN112567891A; JP2021535543A; WO03024158A1; WO2010038190A1; WO0228147A1; US6650064B2; US8492986B2; US6670776B2; US6737814B2; US8466627B2; US9000676B2; US11291094B2; WO2007129131A1; WO2010013173A3; WO0228148A3; WO2020035436A1

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DE FR IT

DOCDB simple family (publication)  
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