

Title (en)  
A FLASHING LED LAMP ASSEMBLY.

Title (de)  
LED-BLINKLAMPENANORDNUNG.

Title (fr)  
UNITE DE LAMPE DEL CLIGNOTANTE.

Publication  
**EP 0549589 A1 19930707 (EN)**

Application  
**EP 91912917 A 19910708**

Priority  
GB 9101117 W 19910708

Abstract (en)  
[origin: GB2239746A] A plurality of series connected LED's are caused to flash simultaneously by means of an integrated circuit flasher built in to one of the LED's. There may be from 1 to 1000 LED's in addition to the one with the flasher circuit. The LED's may be energised from an A.C. power supply via a diode-capacitor voltage doubler D1, C1, D2, C2 and a zener diode Z1 regulator. <IMAGE>

Abstract (fr)  
L'invention se rapporte à un circuit qui comprend une unité de lampe DEL (lampe à diodes électroluminescentes) clignotante, qui est capable de fonctionner à partir de diverses formes et divers types de signaux c.a. sinusoïdaux ou quasi sinusoïdaux et de sources de courant avec des tensions électriques allant jusqu'à 11 000 volts et des fréquences allant jusqu'à 100 000 Hertz appliquées à son entrée. La figure illustre le circuit de base.

IPC 1-7  
**G08B 5/38; H05B 33/08**

IPC 8 full level  
**G08B 5/38** (2006.01); **H05B 44/00** (2022.01)

CPC (source: EP US)  
**G08B 5/38** (2013.01 - EP US); **H05B 45/00** (2020.01 - EP US); **H05B 45/10** (2020.01 - EP); **H05B 45/40** (2020.01 - EP)

Citation (search report)  
See references of WO 9301570A1

Designated contracting state (EPC)  
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**GB 2239746 A 19910710; GB 2239746 B 19940511; GB 9000478 D0 19900307**; CA 2095730 A1 19930109; CA 2095730 C 20020226; DE 69125495 D1 19970507; EP 0549589 A1 19930707; EP 0549589 B1 19970402; WO 9301570 A1 19930121

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