

Title (en)  
CONTROL CIRCUIT FOR LED AND CORRESPONDING OPERATING METHOD

Title (de)  
ANSTEUERSCHALTUNG FÜR LED UND ZUGEHÖRIGES BETRIEBSVERFAHREN

Title (fr)  
CIRCUIT DE COMMANDE DE DEL ET PROCEDE D'UTILISATION DUDIT CIRCUIT

Publication  
**EP 1118251 A1 20010725 (DE)**

Application  
**EP 00926699 A 20000401**

Priority  
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• DE 19930174 A 19990630

Abstract (en)  
[origin: US6400101B1] The drive circuit is suitable for an LED array, comprising a number of clusters of LEDs, with one cluster comprising a number of LEDs which are arranged in series and are connected to a supply voltage (UBatt). A semiconductor switch (transistor T) is arranged in series between the LED and the supply voltage and allows the LED current to be supplied in a pulsed manner. A measurement resistor (Rshunt) for measuring the LED current is arranged in series between the LED and ground, with a control loop controlling the semiconductor switch such that a constant mean value of the LED current is achieved.

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

IPC 8 full level  
**H05B 37/02** (2006.01); **G09G 3/14** (2006.01); **H01L 33/00** (2010.01); **H05B 44/00** (2022.01)

CPC (source: EP US)  
**H05B 45/14** (2020.01 - EP US); **H05B 45/18** (2020.01 - EP US)

Citation (search report)  
See references of WO 0103474A1

Cited by  
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