

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 B1 20060621 (DE)

Application
EP 00926699 A 20000401

Priority
• DE 0000989 W 20000401
• 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.

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

CPC (source: EP US)
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Cited by
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US 6400101 B1 20020604; AT E331422 T1 20060715; CA 2341657 A1 20010111; DE 19930174 A1 20010104; DE 50013044 D1 20060803; EP 1118251 A1 20010725; EP 1118251 B1 20060621; JP 2003504797 A 20030204; WO 0103474 A1 20010111

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