

Title (en)

CONTROL OF LIGHT-EMITTING DIODES (LEDS)

Title (de)

ANSTEUERUNG VON LEUCHTDIODEN (LED'S)

Title (fr)

COMMANDE DE DIODES ELECTROLUMINESCENTES (LED)

Publication

**EP 1269798 B1 20040602 (DE)**

Application

**EP 01921322 A 20010308**

Priority

- DE 10013208 A 20000317
- EP 0102639 W 20010308

Abstract (en)

[origin: DE10013208A1] The drive circuit has a constant current source with an operational amplifier whose output feeds a transistor. The LED is connected in series with a first output of the transistor, whose second output is fed back to the operational amplifier inverting input. A component on the feedback side of the transistor raises the potential at least by the offset voltage of the operational amplifier if no or only infinitesimal current is flowing in the LED. The drive circuit has a constant current source with an operational amplifier (OP) whose output feeds a transistor control connection. The LED (LED1) is connected in series with a first output connection of the transistor, whose second output connection is fed back to the operational amplifier inverting input. A component on the feedback side of the transistor raises the potential at least by the offset voltage of the operational amplifier if no or only infinitesimal; current is flowing in the LED.

IPC 1-7

**H05B 33/08**

IPC 8 full level

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CPC (source: EP US)

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**WO 0169979 A1 20010920**; AT E268538 T1 20040615; AU 4833901 A 20010924; DE 10013208 A1 20010920; DE 50102479 D1 20040708; EP 1269798 A1 20030102; EP 1269798 B1 20040602

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