

Title (en)

Circuit for a temperature control of a LED diode

Title (de)

Schaltung zur Temperatursteuering einer lichtemittierenden Diode

Title (fr)

Circuit pour le contrôle de la température d'une diode DEL

Publication

**EP 2312912 A2 20110420 (EN)**

Application

**EP 10468002 A 20100531**

Priority

SI 200900157 A 20090603

Abstract (en)

The subject of the invention is a circuit for a temperature control of a LED diode providing a possibility of changing luminous intensity of the LED diode as a function of ambient temperature, wherein an analogue voltage signal is generated as a function of detected temperature on a sensor circuit (1), wherein this signal is compared to a ramp frequency, which is internally set on a regulator (3) by means of a resistor (2) and the signal of the regulator (3) generated based on the intersection point between the ramp frequency and the generated analogue voltage signal determines the current, the size of which depends on the width of the signal of the regulator (3) generated as a function of detected temperature on the sensor circuit (1). Figure 3 should appear in publication.

IPC 8 full level

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IPC 8 main group level

**F21V 29/00** (2015.01)

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Cited by

DE102011085659A1; DE102015217146A1; DE112020002722B4; US11785686B2

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DOCDB simple family (publication)

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