

Title (en)

LED power supply

Title (de)

LED-Stromversorgung

Title (fr)

Circuit d'alimentation pour LED

Publication

**EP 2315499 B1 20130529 (DE)**

Application

**EP 10450158 A 20101021**

Priority

AT 16582009 A 20091022

Abstract (en)

[origin: EP2315499A1] The supply unit has a clock oscillator (13) formed as a feedback Schmitt trigger and guiding a drain-source-voltage of a power transistor to an input of comparators (26) i.e. Schmitt trigger (14.3), through voltage dividers (RD, Rm). An output of the comparator is guided to a feedback point (A) of the oscillator through a coupling network (28) i.e. parallel resistor-capacitor member. An output signal of a control amplifier (18) is added to a signal proportional to a switching current, and a summing signal corresponding to the voltage value is assigned to the feedback point of the oscillator.

IPC 8 full level

**H05B 44/00** (2022.01)

CPC (source: EP US)

**H05B 45/385** (2020.01 - EP US)

Cited by

CN105577005A; CN108076561A; CN114167929A; US2022006393A1; US11757367B2; DE102015202245A1; DE202012100109U1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 2315499 A1 20110427; EP 2315499 B1 20130529**; AT 508969 A1 20110515; AT 508969 B1 20110715

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