

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)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 2315499 A1 20110427; EP 2315499 B1 20130529; AT 508969 A1 20110515; AT 508969 B1 20110715

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EP 10450158 A 20101021; AT 16582009 A 20091022