

Title (en)
STARTER CIRCUIT HAVING REGULATED STARTING VOLTAGE

Title (de)
ZÜNDSCHALTUNG MIT GEREGLTER ZÜNDSPANNUNG

Title (fr)
CIRCUIT D'ALLUMAGE A REGULATION DE LA TENSION D'ALLUMAGE

Publication
EP 1618766 B1 20130313 (DE)

Application
EP 04727829 A 20040416

Priority
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• DE 10319511 A 20030430

Abstract (en)
[origin: WO2004098244A1] A circuit for generating starting pulses for a lamp comprises: a starting pulse transformer (VG); a device (ZG) for generating starting pulses on a primary winding of the starting pulse transformer (VG) that can be transformed while fed into the secondary winding of the starting pulse transformer (VG); means (LA) for detecting the voltage level of the transformed starting pulses, and; a device (U1) for regulating the voltage level of the transformed starting pulses to a preset reference value (UZREF). The device (ZG) for generating starting pulses comprises a series circuit consisting of an impulse capacitor (C) and of a switch (S1, M1) that is parallel to the secondary winding of the starting pulse transformer (VG) and the lamp. Said device (U1) sets the voltage, which is applied at the moment of starting, on the impulse capacitor in order to regulate the voltage level of the transformed starting pulses. The voltage on the impulse capacitor can be set by selecting the moments at which the switch (S1, M1) is switched on and/or switched off.

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