

Title (en)

CIRCUIT CONFIGURATION FOR STARTING AND OPERATING AT LEAST ONE DISCHARGE LAMP

Title (de)

SCHALTUNGSANORDNUNG ZUM ZÜNDEN UND BETREIBEN MINDESTENS EINER ENTLADUNGSLAMPE

Title (fr)

ENSEMBLE CIRCUIT SERVANT À AMORCER ET À FAIRE FONCTIONNER AU MOINS UNE LAMPE À DÉCHARGE

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Application

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Priority

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Abstract (en)

[origin: WO2008128574A1] The present invention relates to a circuit configuration for starting and operating at least one discharge lamp (15, 15') having an inverter comprising at least one first (11) and a second main transistor (20) in a half-bridge arrangement, having a transformer and a first and a second control circuit for controlling the first main transistor, wherein each control circuit comprises an interval timer (32 to 40; 32' to 40') the time constants of which vary as a function of the voltage present at the input of each interval timer, each interval timer (32 to 40; 32' to 40') comprising at least one first auxiliary transistor (35; 35'), the control electrode of the first auxiliary transistor (35; 35') being coupled to the center point of a frequency-dependent voltage divider comprising at least an inductor (33; 33') and an ohmic resistor (34; 34'), the voltage dropping at the ohmic resistor (34; 34') being coupled to the control section of the first auxiliary transistor (35; 35'), at least one interval timer (32 to 40; 32' to 40') comprising a second auxiliary transistor (38; 38') connected in parallel to the associated inductor (33; 33'), and the second auxiliary transistor (38; 38') comprising a control circuit designed to bridge the associated inductor (33; 33') as a function of the voltage on the associated secondary winding of the transformer by the second auxiliary transistor (38;38').

IPC 8 full level

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