

Title (en)

CIRCUIT ARRANGEMENT FOR FIRING A DISCHARGE LAMP

Title (de)

SCHALTUNGSANORDNUNG ZUM ZÜNDEN EINER ENTLADUNGSLAMPE

Title (fr)

MONTAGE ÉLECTRIQUE POUR ALLUMER UNE LAMPE À DÉCHARGE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2008055547A1] The present invention relates to a circuit arrangement for firing a discharge lamp, having a first and a second input connection for connecting an input voltage; an inverter, having an input and an output, wherein the input is coupled to the first and the second input connections; a first and a second output connection for connecting the discharge lamp (La); a resonance impedance coupled between the output of the inverter and the first output connection; a resonance circuit comprising the resonance impedance; and a control device (10) for controlling the frequency of the signal provided at the inverter output; the circuit arrangement further comprises a current measuring device arranged for the measuring of a current ( $I_{\text{ist}}$ ) correlating with the current in the resonance circuit, wherein the control device (10) is configured such that it controls the frequency at the output of the inverter as a function of the measured current ( $I_{\text{st}}$ ). The invention further relates to a method for firing a discharge lamp on such a circuit arrangement.

IPC 8 full level

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