

Title (en)

CIRCUIT ARRANGEMENT FOR OPERATION OF A DISCHARGE LAMP WITH A SWITCHABLE TUNED CAPACITOR

Title (de)

SCHALTUNGSANORDNUNG ZUM BETRIEB EINER ENTLADUNGSLAMPE MIT SCHALTBAREM RESONANZKONDENSATOR

Title (fr)

CIRCUIT DESTINE A L'UTILISATION D'UNE LAMPE A DECHARGE COMPORTANT UN CONDENSATEUR A RESONANCE COMMUTABLE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2006122526A1] The invention relates to a circuit arrangement for operation of a discharge lamp (EL) with an inverter (INV) which generates a high-frequency alternating current from an input voltage and with a tuned circuit provided with at least one choke (L) and at least one tuned capacitor (C3, C4), by means of which the lamp (EL) is supplied, whereby at least one tuned capacitor (C4) is connected in series with a switch element (T1) parallel to the lamp (EL). The resonance capacitance for control of the lamp can be varied by switching in or out the tuned capacitor. For example, the resonance capacitance can be increased for pre-heating and reduced on lamp operation.

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