

Title (en)

CIRCUIT ARRANGEMENT FOR IGNITING AND OPERATING A DISCHARGE LAMP

Title (de)

SCHALTUNGSANORDNUNG ZUR ZÜNDUNG UND ZUM BETRIEB EINER ENTLADUNGSLAMPE

Title (fr)

CIRCUITERIE POUR L'ALLUMAGE ET L'UTILISATION D'UNE LAMPE À DÉCHARGE

Publication

EP 2138014 A1 20091230 (DE)

Application

EP 07728439 A 20070424

Priority

EP 2007053983 W 20070424

Abstract (en)

[origin: WO2008128577A1] The invention relates to a circuit arrangement for igniting and operating a gas discharge lamp. Said circuit arrangement comprises a half-bridge circuit acting as a step-down inverter, a lamp inductance (L1) and a resonance capacitor (19), which form a resonant circuit (17), and an ignition transformer (18) the secondary winding (L3) of which is connected on the end to a lamp electrode and on the other end to the junction (22) between the lamp inductance (L1) and the resonance capacitor (19). The primary winding (L2) of the ignition transformer is connected on the one end to the junction (22) between the lamp inductance (L1) and the resonance capacitor (19) and on the other end to the junction (20) of two series-connected diodes (D1, D2), said diodes being connected to the power supply (3) and to ground (1).

IPC 8 full level

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