

Title (en)

METHOD AND DEVICE FOR DRIVING A GAS DISCHARGE LAMP

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ANSTEUERUNG EINER GASENTLADUNGSLAMPE

Title (fr)

PROCÉDÉ ET DISPOSITIF DE COMMANDE D'UNE LAMPE À DÉCHARGE DE GAZ

Publication

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Application

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Abstract (en)

[origin: WO2008072136A2] A lamp driver (1) for driving a gas discharge lamp (2) comprises: - a lamp current-generating section (10) for generating a constant lamp current commutating at a commutation frequency, the lamp current-generating section (10) having output terminals (13, 14); - a high-frequency section (20) comprising a waveform generator (21) for generating an alternating current component; - a coupling device (40) for adding the alternating current component generated by the high-frequency section (20) to the commutating lamp current generated by the lamp current-generating section. In an ignition mode, the high-frequency section is used to generate ignition pulses at an ignition frequency which is higher than the commutation frequency. In an arc-straightening mode, the high-frequency section is used to generate a current ripple at a ripple frequency which is higher than the commutation frequency and differs from the ignition frequency, the ripple having an amplitude which is lower than the amplitude of the ignition pulses.

IPC 8 full level

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