

Title (en)

CIRCUIT ARRANGEMENT AND METHOD FOR OPERATING A HIGH PRESSURE DISCHARGE LAMP

Title (de)

SCHALTUNGSANORDNUNG UND VERFAHREN ZUM BETREIBEN EINER HOCHDRUCKENTLADUNGSLAMPE

Title (fr)

CIRCUITERIE ET PROCÉDÉ POUR FAIRE FONCTIONNER UNE LAMPE À DÉCHARGE HAUTE PRESSION

Publication

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Application

EP 08875223 A 20081023

Priority

EP 2008064394 W 20081023

Abstract (en)

[origin: WO2010045980A1] The invention relates to a method for operating a high pressure discharge lamp, the high pressure discharge lamp being operated by a current inverter with a square wave lamp current which has a positive phase with positive current flow and a negative phase with negative current flow, and the current inverter being controlled by a control system. The method according to the invention comprises the following steps: measuring a value for the positive current flow representing the lamp wattage or the square wave lamp current, measuring a value for the negative current flow representing the lamp wattage or the square wave lamp current, calculating setpoint values for the phase with positive current flow from one respective reference value of a lamp wattage or of the square wave lamp current and the measured value, calculating setpoint values for the phase with negative current flow from one respective reference value of a lamp wattage or of the square wave lamp current and the measured value, and outputting the two setpoint values to the current inverter. The invention also relates to a circuit arrangement for operating a high pressure discharge lamp, the high pressure discharge lamp being operated by a current inverter with a square wave lamp current which has a positive phase with positive current flow and a negative phase with negative current flow, and the current inverter being controlled by a control system, and the control system controlling the positive phase and the negative phase separately.

IPC 8 full level

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CPC (source: EP KR US)

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