Title (en)

A METHOD AND AN ARRANGEMENT FOR CONTROLLING GAS DISCHARGE LAMPS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR STEUERUNG VON GASENTLADUNGSLAMPEN

Title (fr)

PROCEDE ET DISPOSITIF DE REGULATION DE LAMPES A DECHARGE GAZEUSE

Publication

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Application

**EP 96931343 A 19960916**

Priority

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- SE 9503252 A 19950919

Abstract (en)

[origin: WO9711583A1] A method for controlling a drive unit for gas discharge lamps where applied power consists of a DC voltage applied to a converter stage which is adapted to convert the DC voltage to an AC voltage suitable for the lamp, wherein the AC voltage is applied to a lamp circuit that includes a lamp (2) and an inductance (3) connected in series with the lamp, and wherein there is provided a lamp ignition circuit (4). The invention is characterized in that there is connected in a current branch of the drive unit (1) common to both the AC voltage side and the DC voltage side a current measuring sensor (5) whose output signal is used to generate a first control signal (13) corresponding to the power supplied to the lamp circuit, and a second control signal (14) corresponding to the peak current of the lamp circuit or, alternatively, corresponding to the reactive power present in the lamp circuit; and in that a third control signal (17) which constitutes the dominant signal of the first (13) and the second (14) control signal or, alternatively, a function thereof, is caused to control the current supply to the lamp in a feedback system.

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