

Title (en)

Circuit for controlling the light intensity and the operating mode of discharge lamps

Title (de)

Schaltungsanordnungen zur Steuerung der Helligkeit und des Betriebsverhaltens von Gasentladungslampen

Title (fr)

Circuit pour commander l'intensité lumineuse et le mode de fonctionnement de lampes à décharge

Publication

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Application

EP 95114759 A 19911209

Priority

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- EP 91121150 A 19911209

Abstract (en)

[origin: EP0490330A1] The invention relates in general to an electronic ballast (EVG) for fluorescent lamps. In particular, it relates to circuit arrangements inside the electronic ballast for separately measuring lamp current and heater coil current of lamp. Such an electronic ballast comprises an AC voltage generator (30, WR), whose frequency can be controlled, a series resonant circuit (L2, C17), which is connected to the output of the AC voltage generator (30) and to whose capacitor (C17) the gas discharge lamp is connected in parallel, and a current measuring element (R32) responding to the lamp current (IL1), at least one heating circuit of the heater coils of the gas discharge lamp being connected independently of the series resonant circuit (L2, C17) to the AC voltage generator (30), and a further current measuring element (R10) connected to said heating circuit serving to measure the heating current (JW). <IMAGE>

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Citation (search report)

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