

ABSTRACT:

Circuit arrangement.

The invention relates to a circuit arrangement for operating a discharge lamp, comprising a DC-AC converter provided with

- a branch A having ends suitable for being connected to a DC voltage source and comprising a series circuit of two switching elements for generating a periodic voltage by being conducting and non-conducting alternately with a frequency f ,
5 each switching element being shunted by a diode,
- a control circuit coupled to control electrodes of the switching elements for rendering the switching elements conducting and non-conducting alternately with the frequency f ,
- 10 - a load branch B which shunts one of the switching elements and which comprises inductive means L and means for coupling the discharge lamp to the load branch B,
- means M for adjusting the power consumed by the discharge lamp.

According to the invention, the means M comprise means M_p for
15 adjusting the value of the difference $T_t - T_d$, in which T_t is a time interval during which one of the switching elements is conducting during a half cycle of the periodic voltage, and T_d is a time interval during which a diode is conducting during this same half cycle of the periodic voltage.

It is achieved by this that the discharge lamp burns in a stable manner
20 over a wide range of the adjustable power.

Fig. 1.

This Sheet Has Been Replaced

