

Title (en)

CIRCUIT ARRANGEMENT FOR OPERATING SEVERAL GAS DISCHARGE LAMPS

Title (de)

SCHALTUNGSANORDNUNG ZUM BETREIBEN VON MEHREREN GASENTLADUNGSLAMPEN

Title (fr)

CIRCUIT POUR FAIRE FONCTIONNER PLUSIEURS LAMPES A DECHARGE GAZEUSE

Publication

EP 1330946 B1 20050316 (DE)

Application

EP 01982352 A 20010925

Priority

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Abstract (en)

[origin: US2003214252A1] A circuitry arrangement for operating n gas discharge lamps, n being a whole number greater than 1, includes a single inverter, fed with d.c. voltage, for generating an a.c. voltage alterable in its frequency, delivered to a load circuit arranged at the inverter's output. The load circuit includes a series resonant circuit of an inductance and capacitance, n gas discharge lamps connected to a common node point between the inductance and capacitance, which lamps are connected in parallel to one another, and (n-1) balancing transformers for balancing currents in two gas discharge lamps. The load circuit further has for each gas discharge lamp at least one d.c. current supply line, connected between an output side terminal of a corresponding balancing transformer winding and gas discharge lamp and via which there is delivered to each gas discharge lamp a d.c. current, so as to avoid an unintended extinguishing of a lamp.

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