

Title (en)

Adjustable electrical power control for gas discharge lamps and the like.

Title (de)

Regelbare Stromquelle für Gasentladungslampen und ähnliche Lampen.

Title (fr)

Source de courant réglable pour lampes à décharge de gaz et pour lampes analogues.

Publication

EP 0104264 A1 19840404 (EN)

Application

EP 82108823 A 19820924

Priority

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Abstract (en)

A solid state control (10) generates variable interval, high frequency bursts of alternating current to dim or otherwise control a gas discharge lamp or the like, and features an adjustable duty-cycle burst control subcircuit (18) that intermittently interrupts a pair of constant, phase-reversed, high frequency pulse sequences (30, 31), thereby permitting variable interval bursts of the pulse sequences (30A, 31A) to reach a pair of semiconductor devices (16, 17). The semiconductors (16, 17) alternately switch ON and OFF in response to the high frequency pulses applied thereto, thereby rapidly alternating the direction of current flow through a suitable inductor configuration (21) which, in turn, is connected to the load (22).

IPC 1-7

H05B 41/392

IPC 8 full level

H05B 41/392 (2006.01)

CPC (source: EP)

H05B 41/3921 (2013.01)

Citation (search report)

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EP0599598A1; DE19608655A1; US5945787A; EP0677201A4; FR2649277A1; US5105127A; WO9955124A1

Designated contracting state (EPC)

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