

Title (en)

Circuit for operating electrical lamps

Title (de)

Schaltungsanordnung zum Betrieb elektrischer Lampen

Title (fr)

Circuit d'alimentation de lampes électriques

Publication

EP 0648068 B1 19980812 (DE)

Application

EP 94113515 A 19940830

Priority

DE 4334076 A 19931006

Abstract (en)

[origin: EP0648068A1] The invention relates to a circuit arrangement for operating electric lamps, in particular fluorescent lamps. The circuit according to the invention preferably comprises a free-running half-bridge inverter 2, 3 which is provided with a disconnecting device which disconnects the inverter in the case of a faulty lamp L by cutting off the control signal from a transistor 3 of the half-bridge. The disconnecting device contains as essential elements a field effect transistor 23 which is connected in parallel with the control electrode of the transistor 3, a bistable multivibrator 17, 18 which drives the gate of the field effect transistor 23, and a threshold-value switch 26 which resets the bistable multivibrator 17, 18 in the case of a faulty lamp L, leading to the field effect transistor 23 switching on and thus the inverter being disconnected. <IMAGE>

IPC 1-7

H05B 41/29

IPC 8 full level

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CPC (source: EP)

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Cited by

EP1765042A3; US5883472A; US6707260B2; GB2318933A; FR2754954A1; US6005354A; GB2318933B; WO9625833A1

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