

Title (en)

Electronic ballast for gas discharge lamps.

Title (de)

Elektronisches Vorschaltgerät für Gasentladungslampen.

Title (fr)

Ballast électronique pour lampes à décharge dans un gaz.

Publication

EP 0411618 B1 19940302 (DE)

Application

EP 90114792 A 19900801

Priority

DE 3925899 A 19890804

Abstract (en)

[origin: EP0411618A2] An electronic ballast (1) for gas discharge lamps (2), having an input circuit part (10, 11) for producing an intermediate-circuit DC voltage (U_z) from a supply voltage (L1,N), having an oscillator circuit part (4,8,S1,S2), supplied from the intermediate circuit DC voltage (U_z) for generating an alternating signal (uw) which can be supplied to the gas discharge lamp (2), having a bistable switch-off latching circuit part (3) which supplies a switch-off signal (us) in its first and second stable state to the oscillator circuit part (4,8,S1,S2), and hence releases the oscillator circuit part (4,8,S1,S2) or switches it off, a first signal (u1), derived from the alternating signal (uw), driving the switch-off latching circuit part (3) from its first into its second stable state in the event of a predetermined value being exceeded, and generating the switch-off signal (us), is to be designed such that its operating reliability is further improved. This is achieved in that a further signal (u2), derived from the intermediate circuit DC voltage (U_z), produces the switch-off signal (us) when the intermediate circuit DC voltage (U_z) exceeds a predetermined maximum value. <IMAGE>

IPC 1-7

H05B 41/29

IPC 8 full level

H05B 41/285 (2006.01); **H05B 41/298** (2006.01)

CPC (source: EP)

H05B 41/2983 (2013.01); **H05B 41/2985** (2013.01)

Cited by

EP1555858A3; EP1765042A3; US5939832A; EP0808084A3; US7067994B2; EP1765042A2; EP1555858A2; WO03055281A1

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