

Title (en)
ELECTRONIC BALLAST FOR GAS DISCHARGE LAMPS

Publication
EP 0411618 A3 19920722 (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)

Citation (search report)
• [Y] FR 2625642 A1 19890707 - COURIER DE MERE HENRI [FR]
• [Y] US 4538095 A 19850827 - NILSEN OLE K [US]
• [A] WO 8606921 A1 19861120 - ZUMTOBEL AG [AT]
• [A] GB 2117192 A 19831005 - TRANSTAR LIMITED
• [E] DE 4002334 A1 19900802 - KOITO MFG CO LTD [JP]

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

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0411618 A2 19910206; EP 0411618 A3 19920722; EP 0411618 B1 19940302; AT E102429 T1 19940315; DE 3925899 A1 19910207; DE 59004747 D1 19940407; DK 0411618 T3 19940328; ES 2050897 T3 19940601; FI 903809 A0 19900731; FI 96657 B 19960415; FI 96657 C 19960725; NO 177210 B 19950424; NO 177210 C 19950802; NO 903421 D0 19900803; NO 903421 L 19910205

DOCDB simple family (application)
EP 90114792 A 19900801; AT 90114792 T 19900801; DE 3925899 A 19890804; DE 59004747 T 19900801; DK 90114792 T 19900801; ES 90114792 T 19900801; FI 903809 A 19900731; NO 903421 A 19900803