

Title (en)

Electronic ballast for fluorescent lamp

Title (de)

Elektronisches Vorschaltgerät für eine Leuchtstofflampe

Title (fr)

Ballast électronique pour une lampe fluorescente

Publication

EP 1191824 A3 20031217 (EN)

Application

EP 01660174 A 20010919

Priority

FI 20002069 A 20000920

Abstract (en)

[origin: EP1191824A2] The invention relates to an electronic ballast for a fluorescent lamp, the lamp load circuit being connected between the inverter power switch elements (S1, S2). The lamp load circuit comprises an inductor (LR) in a series connection with the lamp. Prior to the ignition of the lamp, the lamp load circuit also includes a capacitor (CR) in a series connection with the heating transformer primary winding (T1a), this series connection being in parallel with the lamp. The heating current is supplied to the lamp cathodes solely via the heating transformer secondary windings (T1b, T1c), whereby the heating current can be shut off by way of setting a switch element (S3) that is in parallel with the transformer primary winding (T1a) in an ON condition. The heating current may be controlled to a desired level by driving the switch (S3) ON and OFF with a pulse-width-controlled drive signal. <IMAGE>

IPC 1-7

H05B 41/295

IPC 8 full level

H05B 41/295 (2006.01)

CPC (source: EP)

H05B 41/295 (2013.01)

Citation (search report)

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Designated contracting state (EPC)

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