

Title (en)

Circuit arrangement and method for controlling the power of an electronic ballast in dependence of the line voltage

Title (de)

Schaltungsanordnung und Verfahren zur netzspannungsabhängigen Leistungsregelung eines elektronischen Geräts, insbesondere eines elektronischen Vorschaltgeräts

Title (fr)

Circuit et procédé de commande de puissance d'un ballast électronique en fonction de la tension de réseau

Publication

EP 1732364 B1 20180411 (DE)

Application

EP 06011520 A 20060602

Priority

DE 102005027015 A 20050610

Abstract (en)

[origin: EP1732364A2] The arrangement has a discriminator stage (31) to detect a DC mode or an AC mode of an electronic device e.g. electronic ballast (3). The stage includes a control unit (32) that stores power-line voltage- characteristic curves (321, 322) for the respective DC and AC modes of the device. The control unit controls the electrical power received by the device with respect to the assigned curve based on the detected mode of the device. Independent claims are also included for the following: (1) an electronic ballast comprising a circuit arrangement (2) a method for controlling power of an electronic device based on a line voltage.

IPC 8 full level

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CPC (source: EP)

H05B 41/2853 (2013.01); **H05B 41/2983** (2013.01)

Citation (examination)

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Cited by

EP2070396A4; CN111693817A; US8791653B2; EP3651312A1; DE202012012473U1

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