

Title (en)
A control device for a gas-discharge lamp

Title (de)
Steuerungsanordnung für eine Gasentladungslampe

Title (fr)
Dispositif pour commander une lampe à décharge

Publication
EP 0752806 A1 19970108 (EN)

Application
EP 96110478 A 19960628

Priority
IT TO950568 A 19950706

Abstract (en)
The device comprises a dc voltage source (B), a dc/dc converter (1) operable to provide a higher voltage than that of the source (B), an inverter (2) to which the lamp (L) is connected and a control unit (ECU) which controls the converter (1) and/or the inverter (2) in such a way as to apply to the lamp (L) a higher power at striking and a lower power during subsequent operation of the lamp under normal conditions. Detector devices (R; 3, 4) provide signals to the unit (ECU) indicative of the impedance of the lamp (L). Non-volatile memory devices (M) associated with the unit (ECU) store data indicative of the values of the impedance (ZL) of the lamp upon variation of the time (toff) elapsed since it was extinguished. The unit (ECU) is arranged to acquire, at each striking, the impedance (ZL) presented by the lamp (L), to compare this impedance (ZL) with the values stored in the said memories (M), and to determine on the basis of this comparison the time (toff) elapsed since the lamp (L) was previously extinguished.
<IMAGE>

IPC 1-7
H05B 41/38; **H05B 41/29**

IPC 8 full level
H05B 41/288 (2006.01); **H05B 41/38** (2006.01)

CPC (source: EP)
H05B 41/2883 (2013.01); **H05B 41/386** (2013.01)

Citation (search report)
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• [A] FR 2648000 A1 19901207 - KOITO MFG CO LTD [JP]
• [A] EP 0536535 A1 19930414 - MATSUSHITA ELECTRIC IND CO LTD [JP]

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Designated contracting state (EPC)
DE ES FR GB NL SE

DOCDB simple family (publication)
EP 0752806 A1 19970108; IT 1276474 B1 19971031; IT TO950568 A0 19950706; IT TO950568 A1 19970106

DOCDB simple family (application)
EP 96110478 A 19960628; IT TO950568 A 19950706