

Title (en)

Controllable or dimmable electronic ballast provided with a lamp power measurement

Title (de)

Elektronisches Vorschaltgerät mit Helligkeitssteuerung und Messung der Lampenleistung

Title (fr)

Ballast électronique réglable et équipé pour mesure la puissance de la lampe

Publication

EP 0853445 A1 19980715 (EN)

Application

EP 97660148 A 19971219

Priority

FI 970017 A 19970103

Abstract (en)

The invention relates to a controllable or dimmable electronic ballast provided with a lamp power measurement for a low-pressure discharge lamp, especially a fluorescent lamp. A halfbridge inverter (TR1, TR2; V2, V3) supplies high-frequency alternating current into a load circuit including a discharge lamp (LL). A regulation or control block (A1/I, II) controls light output of the lamp by regulating frequency of the inverter. Measurement information about a current proportional to the load circuit power is fed to the regulation or control block, which is also supplied with measurement information about a voltage proportional to a current passing through the filament of the lamp, the latter information being used for compensating the effect of filament power out of the measuring result of the load circuit power. <IMAGE>

IPC 1-7

H05B 41/00; **H05B 41/392**

IPC 8 full level

H05B 41/392 (2006.01)

CPC (source: EP)

H05B 41/3925 (2013.01)

Citation (search report)

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- [AP] US 5612595 A 19970318 - MAHESHWARI AJAY [US]
- [A] EP 0461441 A1 19911218 - ZUMTOBEL AG [AT]

Designated contracting state (EPC)

DE FR GB IT NL

DOCDB simple family (publication)

EP 0853445 A1 19980715; FI 101187 B1 19980430; FI 101187 B 19980430; FI 970017 A0 19970103

DOCDB simple family (application)

EP 97660148 A 19971219; FI 970017 A 19970103