

Title (en)

High frequency electronic control circuit for fluorescent lamps

Title (de)

Hoch-Frequenz Vorschaltgerät für Leuchtstofflampen

Title (fr)

Ballast électronique à haute fréquence pour tubes fluorescents

Publication

EP 0955794 A2 19991110 (EN)

Application

EP 99201358 A 19990501

Priority

IT MI980982 A 19980506

Abstract (en)

A high frequency electronic control circuit for fluorescent lamps or tubes (T, T1, T2), comprising a half bridge circuit (MP), formed by a couple of power switches (Q1, Q2) and by the related control circuit (DR), a voltage rectifier bridge (P), a resonance circuit (C-L), which supplies the electric current to the fluorescent tubes (T, T1, T2) and a synchronisation or control circuit (CC), which properly controls the switchover of the power switching means (Q1, Q2), according to the direction of the current in the resonance circuit (C-L). Using the circuit configuration according to the invention, it is possible to obtain a significant reduction in the number of components with respect to the known art, thus substantially reducing the costs. <IMAGE>

IPC 1-7

H05B 41/29

IPC 8 full level

H05B 41/282 (2006.01)

CPC (source: EP)

H05B 41/2828 (2013.01)

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0955794 A2 19991110; EP 0955794 A3 20010613; IT 1303077 B1 20001023; IT MI980982 A1 19991106

DOCDB simple family (application)

EP 99201358 A 19990501; IT MI980982 A 19980506