

Title (en)

Improved half bridge drive for discharge lamps

Title (de)

Verbesserte Halbbrückensteuerung von Leuchtstofflampen

Title (fr)

Circuit inverseur à pont amélioré pour lampes à décharge

Publication

EP 0797377 B1 19990526 (DE)

Application

EP 97103848 A 19970307

Priority

DE 19611417 A 19960322

Abstract (en)

[origin: EP0797377A1] The driver utilises a method of half-bridge control stabilisation and a safety switch-off circuit for driving a fluorescent lamp with protection against externally coupled noise. High frequency noise voltages coupled into the circuit are tapped by at least a secondary winding (RKC) of an inductance with a primary winding (RKA) in the lamp's current path (La) and are rectified. The rectified voltage charges a capacitance (C5) and optimally ensures switch-off element (Q7) operation via the safety switch-off circuit (SAK).

IPC 1-7

H05B 41/39

IPC 8 full level

H05B 41/285 (2006.01); **H05B 41/298** (2006.01); **H05B 41/39** (2006.01)

CPC (source: EP)

H05B 41/2851 (2013.01); **H05B 41/2985** (2013.01)

Citation (examination)

US 5192896 A 19930309 - QIN KONG [US]

Cited by

EP1049361A3

Designated contracting state (EPC)

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DOCDB simple family (application)

EP 97103848 A 19970307; CA 2200500 A 19970320; DE 19611417 A 19960322; DE 59700170 T 19970307